

TE	ST REPORT		
Report No:	CHTEW21040112 Repo	ort Verification:	
Project No	SHT2104039101EW		
FCC ID:	2AFIB-YYS2521		
Applicant's name:	Shanghai Xiaoyi Technology Co	o., Ltd.	
Address	Building 18, Lane 55, Chuanhe R Free Trade Zone, Shanghai, Chin) Pilot
Test item description:	YI Home Camera 3		
Trade Mark	YI		
Model/Type reference:	YYS.2518		
Listed Model(s):			
Standard:	FCC CFR Title 47 Part 15 Subpa	art C Section 15.247	
Date of receipt of test sample	Apr.14, 2021		
Date of testing	Apr.14, 2021- Apr.21, 2021		
Date of issue:	Apr.22, 2021		
Result:	PASS		
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Approved by (Position+Printed name+Signature):	RF Manager Hans Hu	Homs	Ни
Testing Laboratory Name:	Shenzhen Huatongwei Internati	onal Inspection Co.	, Ltd.
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1. TEST STANDARDS AND REPORT VERSION

1.1. Test Standards

The tests were performed according to following standards:

- <u>FCC Rules Part 15.247</u>: Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz
- <u>ANSI C63.10:2013</u>: American National Standard for Testing Unlicensed Wireless Devices
- <u>KDB 558074 D01 15.247 Meas Guidance v05r02</u>: Guidance for Compliance Measurements on Digital Transmission System, Frequency Hopping Spread Spectrum System, and Hybrid System Devices Operating under Section 15.247 of The FCC Rules

1.2. Report version

Revision No.	Date of issue	Description
N/A	2021-04-22	Original

2. TEST DESCRIPTION

Report clause	Test Items	Standard Requirement	Result
5.1	Antenna Requirement	15.203/15.247(c)	PASS
5.2	AC Conducted Emission	15.207	PASS
5.3	Peak Output Power	15.247(b)(3)	PASS
5.4	Power Spectral Density	15.247(e)	PASS
5.5	6dB Bandwidth	15.247(a)(2)	PASS
5.6	99% Occupied Bandwidth	-	PASS ^{*1}
5.7	Duty cycle	-	PASS ^{*1}
5.8	Conducted Band Edge and Spurious Emission	15.247(d)/15.205	PASS
5.9	Radiated Band Edge Emission	15.205/15.209	PASS
5.10	Radiated Spurious Emission	15.247(d)/15.205/15.209	PASS

Note:

- The measurement uncertainty is not included in the test result.
- *1: No requirement on standard, only report these test data.

3. SUMMARY

3.1. Client Information

Applicant:	Shanghai Xiaoyi Technology Co., Ltd.	
Address:	Building 18, Lane 55, Chuanhe Road, China(Shanghai) Pilot Free Trade Zone, Shanghai, China, 201203	
Manufacturer:	Shanghai Xiaoyi Technology Co., Ltd.	
Address:	Building 18, Lane 55, Chuanhe Road, China(Shanghai) Pilot Free Trade Zone, Shanghai, China, 201203	

3.2. Product Description

Name of EUT:	YI Home Camera 3
Trade Mark:	YI
Model No.:	YYS.2518
Listed Model(s):	-
Power supply:	AC 120V
Adapter Information:	Model: SC/5WM500100-US Input: 100-240Va.c.,50/60Hz 0.4A Output: 5.0Vd.c.,1.0A
Hardware version:	Y20GA_MB_V1.4
Software version:	9.0.20.00

3.3. Radio Specification Description

Support type ^{*2} :	802.11b, 802.11g, 802.11n(HT20), 802.11n(HT40)
Modulation: DSSS for 802.11b OFDM for 802.11g/802.11n(HT20)/802.11n(HT40)	
Operation frequency: 2412MHz~2462MHz for 802.11b/802.11g/802.11n(HT20) 2422MHz~2452MHz for 802.11n(HT40)	
Channel number:	11 for 802.11b/802.11g/802.11n(HT20) 7 for 802.11n(HT40)
Channel separation:	5MHz
Antenna type:	FPC
Antenna gain:	1dBi

Note:

*2: only show the RF function associated with this report.

3.4. Testing Laboratory Information

Laboratory Name	Shenzhen Huatongwei International Inspection Co., Ltd.		
Laboratory Location	1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China		
Connect information:	Phone: 86-755-26715499 E-mail: <u>cs@szhtw.com.cn</u> <u>http://www.szhtw.com.cn</u>		
Qualifications	Туре	Accreditation Number	
Quanications	FCC	762235	

4. TEST CONFIGURATION

4.1. Test frequency list

According to section 15.31(m), regards to the operating frequency range over 10 MHz, must select three channels which were tested. The Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, please see the below blue front.

802.11b/802.11g/802.11n(HT20)		802.11n(HT40)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	03	2422
02	2417	04	2427
· :	• :	· :	· :
06	2437	06	2437
• :	• :	· :	• :
10	2457	08	2447
11	2462	09	2452

4.2. Descriptions of Test mode

Preliminary tests were performed in different data rates, final test modes are considering the modulation and worse data rates as below table.

Modulation	Data rate
802.11b	1Mbps
802.11g	6Mbps
802.11n(HT20)	MCS0
802.11n(HT40)	MCS0

4.3. Test mode

For RF test items

The engineering test program was provided and enabled to make EUT continuous transmit.

For AC power line conducted emissions:

The EUT was set to connect with the WLAN AP under large package sizes transmission.

For Radiated spurious emissions test item:

The engineering test program was provided and enabled to make EUT continuous transmit. The EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data Recorded in the report.

4.4. Support unit used in test configuration and system

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The following peripheral devices and interface cables were connected during the measurement:

Wheth	Whether support unit is used?				
~	Yes				
Item	Equipement	Trade Name	Model No.	FCC ID	Power cord
1	Laptop	DELL	Inspiron 13-5378	-	-
2					

4.5. Testing environmental condition

Туре	Requirement	Actual
Temperature:	15~35°C	25°C
Relative Humidity:	25~75%	50%
Air Pressure:	860~1060mbar	1000mbar

4.6. Measurement uncertainty

Test Item	Measurement Uncertainty
AC Conducted Emission (150kHz~30MHz)	3.02 dB
Radiated Emission (30MHz~1000MHz	4.90 dB
Radiated Emissions (1GHz~25GHz)	4.96 dB
Peak Output Power	0.51 dB
Power Spectral Density	0.51 dB
Conducted Spurious Emission	0.51 dB
6dB Bandwidth	70 Hz

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

4.7. Equipment Used during the Test

•	Conducted E	mission					
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	Shielded Room	Albatross projects	HTWE0114	N/A	N/A	2018/09/28	2023/09/27
•	EMI Test Receiver	R&S	HTWE0111	ESCI	101247	2020/10/19	2021/10/18
•	Artificial Mains	SCHWARZBECK	HTWE0113	NNLK 8121	573	2020/10/15	2021/10/14
•	Pulse Limiter	R&S	HTWE0033	ESH3-Z2	100499	2020/10/15	2021/10/14
•	RF Connection Cable	HUBER+SUHNER	HTWE0113-02	ENVIROFLE X_142	EF-NM- BNCM-2M	2020/10/15	2021/10/14
•	Test Software	R&S	N/A	ES-K1	N/A	N/A	N/A

•	Radiated emi	ssion-6th test sit	te				
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	Semi-Anechoic Chamber	Albatross projects	HTWE0127	SAC-3m-02	C11121	2018/09/30	2021/09/29
•	EMI Test Receiver	R&S	HTWE0099	ESCI	100900	2020/10/19	2021/10/18
•	Loop Antenna	R&S	HTWE0170	HFH2-Z2	100020	2021/04/06	2022/04/05
•	Ultra-Broadband Antenna	SCHWARZBECK	HTWE0123	VULB9163	538	2021/04/06	2022/04/05
•	Pre-Amplifer	SCHWARZBECK	HTWE0295	BBV 9742	N/A	2020/11/13	2021/11/12
•	RF Connection Cable	HUBER+SUHNER	HTWE0062-01	N/A	N/A	2020/05/27	2021/05/26
•	RF Connection Cable	HUBER+SUHNER	HTWE0062-02	SUCOFLEX104	501184/4	2020/05/27	2021/05/26
•	Test Software	R&S	N/A	ES-K1	N/A	N/A	N/A

•	Radiated em	ission-7th test si	ite				
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	Semi-Anechoic Chamber	Albatross projects	HTWE0122	SAC-3m-01	N/A	2018/09/27	2021/09/26
•	Spectrum Analyzer	R&S	HTWE0098	FSP40	100597	2020/10/20	2021/10/19
•	Horn Antenna	SCHWARZBECK	HTWE0126	9120D	1011	2020/04/01	2023/03/31
•	Broadband Horn Antenna	SCHWARZBECK	HTWE0103	BBHA9170	BBHA9170472	2018/10/11	2021/10/11
•	Pre-amplifier	CD	HTWE0071	PAP-0102	12004	2020/11/13	2021/11/12
•	Broadband Pre- amplifier	SCHWARZBECK	HTWE0201	BBV 9718	9718-248	2020/05/23	2021/05/22
•	RF Connection Cable	HUBER+SUHNER	HTWE0120-01	6m 18GHz S Serisa	N/A	2020/05/10	2021/05/09
•	RF Connection Cable	HUBER+SUHNER	HTWE0120-02	6m 3GHz RG Serisa	N/A	2020/05/10	202105/09
•	RF Connection Cable	HUBER+SUHNER	HTWE0120-03	6m 3GHz RG Serisa	N/A	2020/05/10	2021/05/09
•	RF Connection Cable	HUBER+SUHNER	HTWE0120-04	6m 3GHz RG Serisa	N/A	2020/05/10	2021/05/09
•	RF Connection Cable	HUBER+SUHNER	HTWE0121-01	6m 18GHz S Serisa	N/A	2020/05/10	2021/05/09
•	Test Software	Audix	N/A	E3	N/A	N/A	N/A

•	RF Conducted Method					
Used	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	Signal and spectrum Analyzer	R&S	FSV40	100048	2020/10/19	2021/10/18
•	Spectrum Analyzer	Agilent	N9020A	MY50510187	2020/10/19	2021/10/18
•	Power Meter	Anritsu	ML249A	N/A	2020/10/19	2021/10/18
0	Radio communication tester	R&S	CMW500	137688-Lv	2020/10/19	2021/10/18

5. TEST CONDITIONS AND RESULTS

5.1. Antenna Requirement

<u>Requirement</u>

FCC CFR Title 47 Part 15 Subpart C Section 15.203:

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

FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1)(i):

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6 dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

TEST RESULT

☑ Passed □ Not Applicable

The antenna type is a FPC antenna, the directional gain of the antenna less than 6 dBi, please refer to the below antenna photo.



5.2. AC Conducted Emission

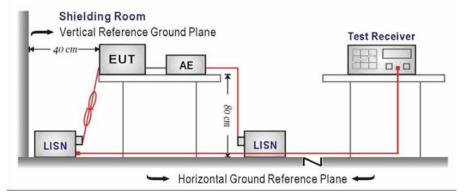
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.207

	Limit (d	BuV)
Frequency range (MHz)	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.

TEST CONFIGURATION



TEST PROCEDURE

- 1. The EUT was setup according to ANSI C63.10 requirements.
- The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
- The EUT and simulators are connected to the main power through a line impedances stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment.
- 4. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
- 5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
- 6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
- 7. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
- 8. During the above scans, the emissions were maximized by cable manipulation.

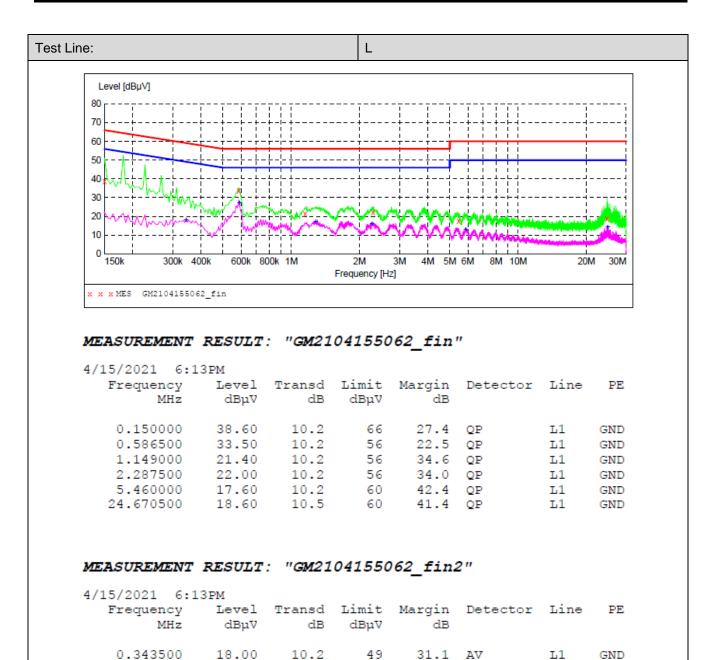
TEST MODE:

Please refer to the clause 4.2

TEST RESULT

☑ Passed □ Not Applicable

Shenzhen Huatongwei International Inspection Co., Ltd.



10.2

10.2

10.2

10.2

10.5

46

46

46

50

50

19.1

29.0

30.0

37.0

35.6 AV

AV

AV

AV

AV

ь1

ь1

ь1

ь1

ь1

GND

GND

GND

GND

GND

26.90

17.00

16.00

13.00

14.40

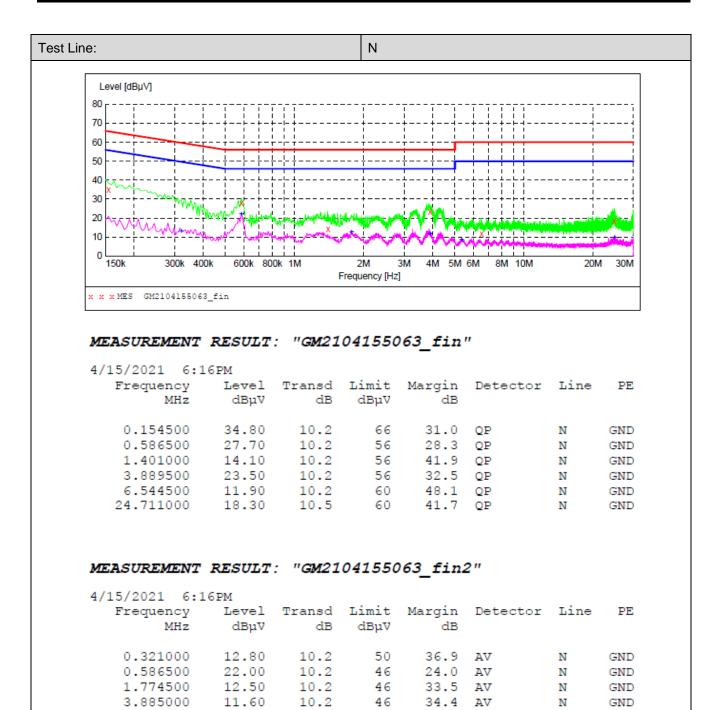
0.591000

1.279500

2.269500

5.883000

24.810000



10.2

10.5

50

50

41.5 AV

40.2 AV

8.50

9.80

5.352000

24.859500

Ν

Ν

Ν

GND

GND

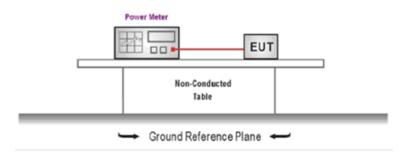
GND

5.3. Peak Output Power

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (b)(3): 30dBm

TEST CONFIGURATION



TEST PROCEDURE

- 1. The EUT was tested according to ANSI C63.10 and KDB 558074 D01 requirements.
- 2. The maximum peak conducted output power may be measured using a broadband peak RF power meter.
- 3. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall utilize a fast-responding diode detector.
- 4. Record the measurement data.

TEST MODE:

Please refer to the clause 4.2

TEST RESULT

☑ Passed □ Not Applicable

TEST Data

Please refer to appendix A on the appendix report

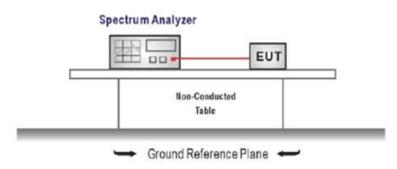
5.4. Power Spectral Density

<u>LIMIT</u>

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (e):

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3 kHz band during any time interval of continuous transmission.

TEST CONFIGURATION



TEST PROCEDURE

- 1. Connect the antenna port(s) to the spectrum analyzer input,
- Configure the spectrum analyzer as shown below: Center frequency=DTS channel center frequency Span =1.5 times the DTS bandwidth RBW = 3 kHz ≤ RBW ≤ 100 kHz, VBW ≥ 3 × RBW Sweep time = auto couple Detector = peak Trace mode = max hold
- 3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter wave form on the spectrum analyzer.
- 4. Use the peak marker function to determine the maximum amplitude level within the RBW.
- 5. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

TEST MODE:

Please refer to the clause 4.2

TEST RESULT

☑ Passed □ Not Applicable

TEST Data

Please refer to appendix B on the appendix report

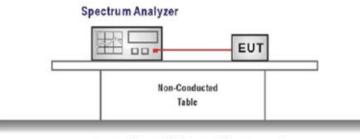
5.5. 6dB bandwidth

<u>LIMIT</u>

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(2):

For digital modulation systems, the minimum 6 dB bandwidth shall be at least 500 kHz.

TEST CONFIGURATION



➡ Ground Reference Plane

TEST PROCEDURE

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- 2. Configure the spectrum analyzer as shown below (enter all losses between the transmitter output and the spectrum analyzer).

Center Frequency =DTS channel center frequency

Span=2 x DTS bandwidth

RBW = 100 kHz, VBW \ge 3 × RBW

Sweep time= auto couple

Detector = Peak

Trace mode = max hold

- 3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.
- 4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission, and record the pertinent measurements.

TEST MODE:

Please refer to the clause 4.2

TEST RESULT

⊠ Passed □

Not Applicable

TEST Data

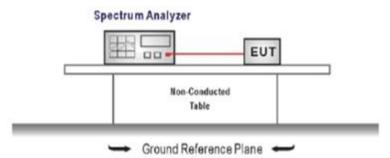
Please refer to appendix C on the appendix report

5.6. 99% Occupied Bandwidth

<u>LIMIT</u>

N/A

TEST CONFIGURATION



TEST PROCEDURE

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- 2. Configure the spectrum analyzer as shown below (enter all losses between the transmitter output and the spectrum analyzer).

Center Frequency =channel center frequency Span≥1.5 x OBW RBW = 1%~5%OBW VBW ≥ 3 × RBW Sweep time= auto couple Detector = Peak Trace mode = max hold

3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.

TEST MODE:

Please refer to the clause 4.2

TEST RESULT

☑ Passed □ Not Applicable

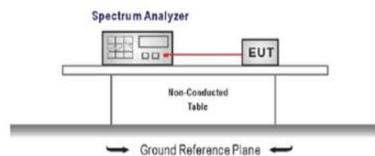
TEST Data

Please refer to appendix D on the appendix report

5.7. Duty Cycle

N/A

TEST CONFIGURATION



TEST PROCEDURE

- 1. The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
- 2. Set to the maximum power setting and enable the EUT transmit continuously
- Use the following spectrum analyzer settings: Span=zero span, Frequency=centered channel, RBW= 1 MHz, VBW ≥ RBW Sweep=as necessary to capture the entire dwell time, Detector function = peak, Trigger mode
- 4. Measure and record the duty cycle data

TEST MODE:

Please refer to the clause 4.2

TEST Data

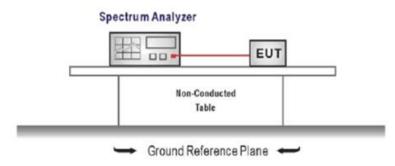
Please refer to appendix E on the appendix report

5.8. Conducted Band edge and Spurious Emission

<u>LIMIT</u>

FCC CFR Title 47 Part 15 Subpart C Section15.247 (d):In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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.

TEST CONFIGURATION



TEST PROCEDURE

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- Establish a reference level by using the following procedure Center frequency=DTS channel center frequency The span = 1.5 times the DTS bandwidth. RBW = 100 kHz, VBW ≥ 3 x RBW

Detector = peak, Sweep time = auto couple, Trace mode = max hold

Allow trace to fully stabilize

Use the peak marker function to determine the maximum PSD level

Note that the channel found to contain the maximum PSD level can be used to establish the reference level.

3. Emission level measurement

Set the center frequency and span to encompass frequency range to be measured

 $RBW = 100 \text{ kHz}, VBW \ge 3 \text{ x RBW}$

Detector = peak, Sweep time = auto couple, Trace mode = max hold

Allow trace to fully stabilize

Use the peak marker function to determine the maximum amplitude level.

- 4. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.
- Ensure that the amplitude of all unwanted emission outside of the authorized frequency band excluding restricted frequency bands) are attenuated by at least the minimum requirements specified (at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz). Report the three highest emission relative to the limit.

TEST MODE:

Please refer to the clause 4.2

TEST RESULT

☑ Passed □ Not Applicable

TEST Data

Please refer to appendix F on the appendix report

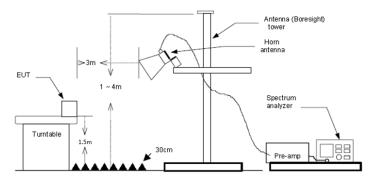
5.9. Radiated Band edge Emission

<u>LIMIT</u>

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d):

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, Radiated Emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the Radiated Emissions limits specified in §15.209(a) (see §15.205(c)).

TEST CONFIGURATION



TEST PROCEDURE

- 1. The EUT was setup and tested according to ANSI C63.10.
- 2. The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT waspositioned such that the distance from antenna to the EUT was 3 meters.
- 4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find themaximum emission, all of the interface cables were manipulated according to ANSI C63.10 on radiated measurement.
- 5. Use the following spectrum analyzer settings:
 - a) Span shall wide enough to fully capture the emission being measured
 - b) Set RBW=100kHz for <1GHz, VBW=3*RBW, Sweep time=auto, Detector=peak, Trace=max hold
 - c) Set RBW=1MHz, VBW=3MHz for >1GHz, Sweep time=auto, Detector=peak, Trace=max hold for Peak measurement

For average measurement:

- VBW=10Hz, When duty cycle is no less than 98 percent
- − VBW≥1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation, so refer to this clasue 5.6 duty cycle.

TEST MODE:

Please refer to the clause 4.2

TEST RESULT

☑ Passed □ Not Applicable

Note:

- 1) Level= Reading + Factor; Factor = Antenna Factor+ Cable Loss- Preamp Factor
- 2) Over Limit = Level- Limit
- 3) Average measurement was not performed if peak level is lower than average limit(54 dBuV/m).

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Туре		802.1	1b	Test c	hannel	CH	101	P	olarity		Horizontal
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
	1	2310.00	32.73	27.96	7.30	37.56	20.00	50.43	74.00	-23.57	Peak
	2	2390.01	33.17	27.72	7.72	37.45	20.00	51.16	74.00	-22.84	Peak
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
	1	2310.00	25.44	27.96	7.30	37.56	20.00	43.14	54.00 -	10.86	Average
	2	2390.01	26.05	27.72	7.72	37.45	20.00	44.04	54.00	-9.96	Average
Туре		802.1	1b	Test c	hannel	CH	1 01	Р	olarity		Vertical
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limi	Remark t
	1	2310.00	33.22	27.96	7.30	37.56	20.00	50.92	74.00	-23.08	Peak
		2390.01	31.98	27.72	7.72	37.45	20.00	49.97	74.00	-24.03	
	Mark	Frequency	Reading	Antenna	Cable	Preamp	Aux	Level	Limit	Over	Remark
		MHz	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limit	
	1	2310.00	25.52	27.96	7.30	37.56	20.00	43.22	54.00 -	10.78	Average
	2	2390.01	28.13	27.72	7.72	37.45	20.00	46.12	54.00	-7.88	Average

Туре		802.1	1b	Test c	hannel	CH	H11	F	Polarity		Horizontal
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Pream dB	p Aux dB	Level dBuV/m	Limit dBuV/m	Over limi	Remark
	1	2483.49	32.84	27.43	7.80	37.26	20.00	50.81	74.00	-23.19	Peak
	2	2500.00	31.45	27.40	7.81	37.26	20.00	49.40	74.00	-24.60	Peak
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
	1	2483.49	25.93	27.43	7.80	37.26	20.00	43.90	54.00 -	10.10	Average
	2	2500.00	25.92	27.40	7.81	37.26	20.00	43.87	54.00 -	10.13	Average
Туре		802.1	1b	Test c	hannel	Cł	H11	F	Polarity		Vertical
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	e Pream dB	p Aux dB	Level dBuV/m	Limit dBuV/n	Over n limi	
	1	2483.49	33.36	27.43	7.80	37.26	20.00	51.33	74.00	-22.67	
	2	2500.00	32.71	27.40	7.81	37.26	20.00	50.66	74.00	-23.34	Peak
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
		2483.49	26.48	27.43	7.80	37.26	20,00		54.00	-9.55	Average
	1	2405.49	20.40	21.72							

Туре		802.1	1g	Test c	hannel	CH	101	P	olarity		Horizontal
	Mark	Frequency	Reading	Antenna	Cable	Preamp	Aux	Level	Limit	Over	Remark
		MHz	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limit	
	1	2310.00	31.87	27.96	7.30	37.56	20.00	49.57	74.00	-24.43	Peak
	2	2390.01	32.72	27.72	7.72	37.45	20.00	50.71	74.00	-23.29	Peak
	Mark	Frequency	Reading	Antenna	Cable	Preamp	Aux	Level	Limit	Over	Remark
		MHz	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limit	
	1	2310.00	25.92	27.96	7.30	37.56	20.00	43.62	54.00	-10.38	Average
	2	2390.01	25.79	27.72	7.72	37.45	20.00	43.78	54.00	-10.22	Average
Туре		802.1	1g	Test c	hannel	CH	101	P	olarity		Vertical
	Mark	Frequency	Reading	Antenna	Cable	Pream	Aux	Level	Limit	Over	Remark
		MHz	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/	m limi	t
	1	2310.00	31.91	27.96	7.30	37.56	20.00	49.61	74.00	-24.39	Peak
	2	2390.01	33.88	27.72	7.72	37.45	20.00	51.87	74.00	-22.13	Peak
	Mark	Frequency	Reading	Antenna	Cable	Preamp	Aux	Level	Limit	Over	Remark
		MHz	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limit	
	1	2310.00	25.61	27.96	7.30	37.56	20.00	43.31	54.00	-10.69	Average

Туре		802.1	1g	Test c	hannel	С	H11		Polarity	Horizontal
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Prea dB	mp Aux dB	Level dBuV/m)ver Remark limit
	1	2483.49	32.07	27.43	7.80	37.26	20.00	50.04	74.00 -23	3.96 Peak
	2	2500.00	31.76	27.40	7.81	37.26	20.00	49.71	74.00 -24	1.29 Peak
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Pream; dB	dB	Level dBuV/m	Limit Ove dBuV/m lin	
	1	2483.49	26.07	27.43	7.80	37.26	20.00	44.0	4 54.00 -9.9	6 Average
	2	2500.00	25.02	27.40	7.81	37.26	20.00	42.9	7 54.00 -11.0	3 Average
Туре		802.1	1g	Test c	hannel	С	H11	I	Polarity	Vertical
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	e Prea dB	mp Aux dB	Level dBuV/m	CONCERNMENT OF A DESCRIPTION OF A DESCRI)ver Remark .imit
	1	2483.49	31.89	27.43	7.80	37.26	20.00	49.86	74.00 -24	.14 Peak
	2	2500.00	31.11	27.40	7.81	37.26	20.00	49.06	74.00 -24	94 Peak
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit Over dBuV/m lim:	
	1	2483.49	25.84	27.43	7.80	37.26	20.00	43.81	54.00 -10.19	9 Average
	2	2500.00	24.94	27.40	7.81	37.26	20.00	42.89	54.00 -11.1	1 Average

Туре		802.1	1n(HT20)	Test ch	nannel	CH	H01	P	olarity	Horizontal
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	e Pream dB	np Aux dB	Level dBuV/m	Limit Ove dBuV/m lin	
	1	2310.00	34.16	27.96	7.30	37.56	20.00	51.86	74.00 -22.1	L4 Peak
	2	2390.01	30.61	27.72	7.72	37.45	20.00	48.60	74.00 -25.4	10 Peak
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit Over dBuV/m limit	Remark
	1	2310.00	25.44	27.96	7.30	37.56	20.00	43.14	54.00 -10.86	Average
	2	2390.01	25.21	27.72	7.72	37.45	20.00	43.20	54.00 -10.80	Average
Туре		802.1	1n(HT20)	Test ch	nannel	CH	H01	P	olarity	Vertical
Туре	Mark		1n(HT20) Reading dBuV/m	Test ch Antenna dB	Cable dB	10.77		Level dBuV/m	Olarity Limit Over dBuV/m lim	r Remark
Туре	Mark 1	Frequency	Reading	Antenna	Cable	Pream	p Aux	Level	Limit Over	r Rema <mark>rk</mark> it
Туре		Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Pream dB	p Aux dB	Level dBuV/m	Limit Over dBuV/m lim	r Remark it 9 Pea <mark>k</mark>
Туре	1	Frequency MHz 2310.00 2390.01	Reading dBuV/m 32.71	Antenna dB 27.96	Cable dB 7.30	Pream dB 37.56	p Aux dB 20,00	Level dBuV/m 50.41	Limit Over dBuV/m lim 74.00 -23.55	r Remark it 9 Peak 2 Peak Remark
Туре	1 2	Frequency MHz 2310.00 2390.01 Frequency	Reading dBuV/m 32.71 30.79 Reading	Antenna dB 27.96 27.72 Antenna	Cable dB 7.30 7.72 Cable dB	Pream dB 37.56 37.45 Preamp	p Aux dB 20.00 20.00 Aux	Level dBuV/m 50.41 48.78 Level dBuV/m	Limit Over dBuV/m lim: 74.00 -23.55 74.00 -25.25 Limit Over	r Remark it 9 Peak 2 Peak Remark

Туре		802.1	1n(HT20)	Test c	hannel	CH	1 11	P	olarity		Horizontal
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
	1	2483.49	32.27	27.43	7.80	37.26	20.00	50.24	74.00	-23.76	Peak
	2	2500.00	31.53	27.40	7.81	37.26	20.00	49.48	74.00	-24.52	Peak
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
	1	2483.49	25.82	27.43	7.80	37.26	20.00	43.79	54.00	-10.21	Average
	2	2500.00	24.69	27.40	7.81	37.26	20.00	42.64	54.00	-11.36	Average
Туре		802.1	1n(HT20)	Test c	hannel	CH	111	P	olarity		Vertical
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Pream dB	Aux dB	Level dBuV/m	Limit dBuV/		
	1	2483.49	32.95	27.43	7.80	37.26	20.00	50.92	74.00	-23.08	Peak
	2	2500.00	31.97	27.40	7.81	37.26	20.00	49.92	74.00	-24.08	Peak
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Rem <mark>ark</mark>
	1	2483.49	25.39	27.43	7.80	37.26	20.00	43.36	54.00	-10.64	Average
	2	2500.00	24.84	27.40	7.81	37.26	20.00	42.79	54.00	-11.21	Average

Туре		8	02.11r	n(HT40)	Test c	hannel	CH	103	F	olarity		Horizontal
	Mark	Freque	ency F	Reading	Antenna	Cable	Preamp		Level	Limit	Over	Remark
		MHz	c	BuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limit	
	1	2310.00	9 3	31.91	27.96	7.30	37.56	20.00	49.61	74.00	-24.39	Peak
	2	2389.99) 3	32.52	27.72	7.72	37.45	20.00	50.51	74.00	-23.49	Peak
	Mark	Freque	ency F	Reading	Antenna	Cable	Preamp	Aux	Level	Limit	Over	Remark
		MHz	· ·	lBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limit	
	1	2310.00	3 2	27.78	27.96	7.30	37.56	20.00	45.48	54.00	-8.52	Average
	2	2389.9	92	25.52	27.72	7.72	37.45	20.00	43.51	54.00 -	-10.49	Average
Туре		8	02.11r	n(HT40)	Test c	hannel	CH	103	F	olarity		Vertical
	Mark	Frequ	ency	Reading	Antenna	Cable	Preamp	Aux	Level	Limit	Over	Remark
		MHz		dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limi	t
	1	2310.0	0	30.85	27.96	7.30	37.56	20.00	48.55	74.00	-25.45	Peak
	2	2389.9	9	32.12	27.72	7.72	37.45	20.00	50.11	74.00	-23.89	Peak
	Mark	Freque	ency R	eading	Antenna	Cable	Preamp	Aux	Level	Limit	Over	Remark
		MHz	d	BuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limit	
	1	2310.00) 2	5.43	27.96	7.30	37.56	20.00	43.13	54.00 -	10.87	Average
	2	2389.99		4.87	27.72	7.72	37.45	20.00	40.00	54.00 -	11.14	Average

Туре			802.1	1n(HT40)	Test c	hannel	CI	H09	F	Polarity		Horizontal
	Mark	Freq MH	uency z	Reading dBuV/m	Antenna dB	Cable dB	Pream dB	p Aux dB	Level dBuV/m	Limit dBuV/		
	1	2483.	50	31.32	27.43	7.80	37.26	20.00	49.29	74.00	-24.71	Peak
	2	2500.	00	32.16	27.40	7.81	37.26	20.00	50.11	74.00	-23.89	Peak
	Mark	Free	uency	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
	1	2483.	50	25.36	27.43	7.80	37.26	20.00	-	3 54.00	-10.67	Average
	2	2500.	00	24.63	27.40	7.81	37.26	20.00	42.58	3 54.00	-11.42	Average
Туре			802.1	1n(HT40)	Test c	hannel	CI	H09	F	Polarity		Vertical
	Mark	Sec. 1	uency	Reading	Antenna	Cable			Level	Limit		
		MH	z	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/	m limi	
	1	2483.	50	31.73	27.43	7.80	37.26	20.00	49.70	74.00	-24.30	Peak
	2	2500.	00	31.23	27.40	7.81	37.26	20.00	49.18	74.00	-24.82	2 Peak
	Mark	Freq	uency	Reading	Antenna	Cable	Preamp	Aux	Level	Limit	Over	Remark
		MH	z	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limit	
	1	2483.	50	25.59	27.43	7.80	37.26	20.00	43.56	54.00	-10.44	Average
	2	2500.	00	24.67	27.40	7.81	37.26	20.00	40.60	54.00	-11.38	Average

5.10. Radiated Spurious Emission

<u>LIMIT</u>

FCC CFR Title 47 Part 15 Subpart C Section 15.209

Frequency	Limit (dBuV/m)	Value
0.009 MHz ~0.49 MHz	2400/F(kHz) @300m	Quasi-peak
0.49 MHz ~ 1.705 MHz	24000/F(kHz) @30m	Quasi-peak
1.705 MHz ~30 MHz	30 @30m	Quasi-peak

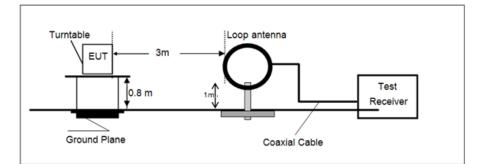
Note: Limit dBuV/m @3m = Limit dBuV/m @300m + 40*log(300/3)= Limit dBuV/m @300m +80,

Limit dBuV/m @3m = Limit dBuV/m @30m +40*log(30/3)= Limit dBuV/m @30m + 40.

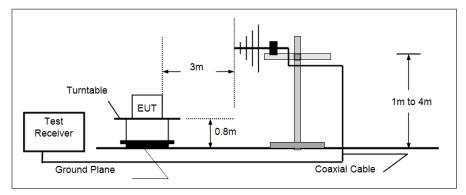
Frequency	Limit (dBuV/m @3m)	Value
30MHz~88MHz	40.00	Quasi-peak
88MHz~216MHz	43.50	Quasi-peak
216MHz~960MHz	46.00	Quasi-peak
960MHz~1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
Above IGHZ	74.00	Peak

TEST CONFIGURATION

> 9 kHz ~ 30 MHz

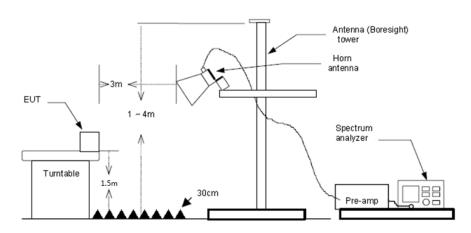


> 30 MHz ~ 1 GHz



Above 1 GHz

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TEST PROCEDURE

- 1. The EUT was setup and tested according to ANSI C63.10.
- 2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
- 4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
- 5. Set to the maximum power setting and enable the EUT transmit continuously.
- 6. Use the following spectrum analyzer settings
 - a) Span shall wide enough to fully capture the emission being measured;
 - b) Below 1 GHz:

RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold;

If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

c) Set RBW=1MHz, VBW=3MHz for >1GHz, Sweep time=auto, Detector=peak, Trace=max hold for Peak measurement

For average measurement:

- VBW=10Hz, When duty cycle is no less than 98 percent
- − VBW≥1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation, so refer to this clasue 5.6 duty cycle.

TEST MODE:

Please refer to the clause 4.2

TEST RESULT

☑ Passed □ Not Applicable

Note:

- 1) Level= Reading + Factor/Transd; Factor/Transd = Antenna Factor+ Cable Loss- Preamp Factor
- 2) Over Limit = Level- Limit
- Average measurement was not performed if peak level is lower than average limit(54 dBuV/m) for above 1GHz.

TEST DATA FOR 9 kHz ~ 30 MHz

The EUT was pre-scanned this frequency band, found the radiated level 20dB lower than the limit, so don't show data on this report.

TEST DATA FOR 30 MHz ~ 1000 MHz

Have pre-scan all test channel, found CH06 of 802.11B which it was worst case, so only show the worst case's data on this report.



Туре			802.1	1b	Test c	hannel	CH)1		Polarity		Horizontal
	Mark		quency Hz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/		Over	Remark
	1	1225	.86	35.48	25.76	5.18	36.60	0.00	29.82	74.00	-44.18	Peak
	2	3192	.37	33.65	28.92	8.72	37.01	0.00	34.28	74.00	-39.72	Peak
	з	4821	.76	39.34	31.40	11.52	35.24	0.00	47.02	74.00	-26.98	Peak
	4	8083	.96	30.68	37.20	14.27	33.32	0.00	48.83	74.00	-25.17	Peak
Туре			802.1	1b	Test c	hannel	CH)1		Polarity		Vertical
	Mark		quency Hz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/		Over limi	Remark t
	1	1286	.61	34.92	25.97	5.38	36.35	0.00	29.92	74.00	-44.08	Peak
	2	3200	.50	36.52	28.90	8.73	36.98	0.00	37.17	74.00	-36.83	Peak
	3	4821	.76	39.45	31.40	11.52	35.24	0.00	47.13	74.00	-26.87	Peak
	4	8063	.40	30.25	37.20	14.28	33.32	0.00	48.41	74.00	-25.59	Peak
Туре			802.1	1b	Test c	hannel	CH)6		Polarity		Horizontal
	Mark	Fre	quency	Reading	Antenna	Cable	Preamp	Aux	Level	Limit	Over	Remark
		M	Hz	dBuV/m	dB	dB	dB	dB	dBuV/	′m dBuV/m	limi	t
	1	1424	.51	35.61	26.10	5.60	36.68	0.00	30.63	74.00	-43.37	Peak
	2	3570	.71	32.70	29.34	9.93	36.85	0.00	35.12	74.00	-38.88	Peak
	3	4871	.10	39.16	31.40	11.51	35.16	0.00	46.91	74.00	-27.09	Peak
	4	8770	.01	30.11	37.70	15.63	34.83	0.00	48.61	74.00	-25.39	Peak
Туре	802.11b			Test c	hannel	CH)6		Polarity		Vertical	
	Mark	Fre	quency	Reading					Level		Over	
			Hz	dBuV/m	dB	dB	dB	dB	dBuV/	/m dBuV/m	limi	t
	1			34.94	25.94				20 70	74.00	44 00	
	-	1270				5.32	36.42	0.00	29.78	74.00	-44.22	
	2	3200	.50	34.38	28.90	8.73	36.98	0.00	35.03	74.00	-38.97	
			.50									Peak
	2	3200	.50	34.38	28.90	8.73	36.98	0.00	35.03	74.00	-38.97	Peak Peak
Туре	2	3200 4871	.50	34.38 41.05 30.62	28.90 31.40 37.10	8.73 11.51	36.98 35.16	0.00 0.00 0.00	35.03 48.80	74.00 74.00	-38.97 -25.20	Peak Peak
Туре	2	3200 4871 8125	.50 .10 .22	34.38 41.05 30.62 1b	28.90 31.40 37.10 Test c	8.73 11.51 14.36 hannel	36.98 35.16 33.36	0.00 0.00 0.00	35.03 48.80	74.00 74.00 74.00 Polarity	-38.97 -25.20	7 Peak 9 Peak 8 Peak
Туре	2 3 4	3200 4871 8125 Fre	.50 .10 .22 802.1	34.38 41.05 30.62 1b	28.90 31.40 37.10 Test c	8.73 11.51 14.36 hannel	36.98 35.16 33.36 CH [*]	0.00 0.00 0.00	35.03 48.80 48.72	74.00 74.00 74.00 Polarity Limit	-38.97 -25.20 -25.28	7 Peak 9 Peak 8 Peak Horizontal Remark
Туре	2 3 4	3200 4871 8125 Fre	.50 .10 .22 802.1 ⁷ quency Hz	34.38 41.05 30.62 1b Reading	28.90 31.40 37.10 Test c	8.73 11.51 14.36 hannel Cable	36.98 35.16 33.36 CH [*] Preamp	0.00 0.00 0.00	35.03 48.80 48.72 Level	74.00 74.00 74.00 Polarity Limit dBuV/m	-38.97 -25.20 -25.28 0ver	7 Peak 9 Peak 8 Peak Horizontal Remark
Туре	2 3 4 Mark	3200 4871 8125 Fre	.50 .10 .22 802.1 ² quency Hz .47	34.38 41.05 30.62 1b Reading dBuV/m	28.90 31.40 37.10 Test c Antenna dB	8.73 11.51 14.36 hannel Cable dB 5.28 8.71	36.98 35.16 33.36 CH [*] Preamp dB	0.00 0.00 0.00 11 Aux dB	35.03 48.80 48.72 Level dBuV/r	74.00 74.00 74.00 Polarity Limit dBuV/m 74.00	-38.97 -25.20 -25.28 Over limit	7 Peak 9 Peak 8 Peak Horizontal Remark
Туре	2 3 4 Mark	3200 4871 8125 Fre M 1257	.50 .10 .22 802.1 ² quency Hz .47 .25	34.38 41.05 30.62 1b Reading dBuV/m 35.57	28.90 31.40 37.10 Test c Antenna dB 25.92	8.73 11.51 14.36 hannel Cable dB 5.28	36.98 35.16 33.36 CH ² Preamp dB 36.47	0.00 0.00 0.00 11 Aux dB 0.00	35.03 48.80 48.72 Level dBuV/1 30.30	74.00 74.00 74.00 Polarity Limit dBuV/m 74.00 74.00	-38.97 -25.20 -25.28 Over limit -43.70	7 Peak 9 Peak 8 Peak Horizontal Remark 9 Peak
Туре	2 3 4 Mark 1 2	3200 4871 8125 Fre M 1257 3184	.50 .10 .22 802.1 ² quency Hz .47 .25 .96	34.38 41.05 30.62 1b Reading dBuV/m 35.57 34.44	28.90 31.40 37.10 Test c Antenna dB 25.92 28.93	8.73 11.51 14.36 hannel Cable dB 5.28 8.71	36.98 35.16 33.36 CH ⁻ Preamp dB 36.47 37.05	0.00 0.00 0.00 11 Aux dB 0.00 0.00	35.03 48.80 48.72 Level dBuV/0 30.30 35.03	74.00 74.00 Polarity Limit dBuV/m 74.00 74.00 74.00 74.00	-38.97 -25.28 -25.28 Over limit -43.70 -38.97	7 Peak 9 Peak 8 Peak Horizontal Remark 9 Peak Peak
Туре	2 3 4 Mark 1 2 3	3200 4871 8125 Fre M 1257 3184 4920	.50 .10 .22 802.1 ² quency Hz .47 .25 .96	34.38 41.05 30.62 1b Reading dBuV/m 35.57 34.44 40.10 30.29	28.90 31.40 37.10 Test c Antenna dB 25.92 28.93 31.44 37.14	8.73 11.51 14.36 hannel Cable dB 5.28 8.71 11.51	36.98 35.16 33.36 CH ⁻ Preamp dB 36.47 37.05 35.21	0.00 0.00 0.00 11 Aux dB 0.00 0.00 0.00 0.00	35.03 48.80 48.72 Level dBuV/ 30.30 35.03 47.84	74.00 74.00 Polarity Limit dBuV/m 74.00 74.00 74.00 74.00	-38.97 -25.28 -25.28 Over limit -43.70 -38.97 -26.16	7 Peak 9 Peak 8 Peak Horizontal Remark 9 Peak Peak Peak Peak
	2 3 4 Mark 1 2 3	3200 4871 8125 Fre M 1257 3184 4920 8022 Fre	.50 .10 .22 802.1 ² quency Hz .47 .25 .96 .46 802.1 ² quency	34.38 41.05 30.62 1b Reading dBuV/m 35.57 34.44 40.10 30.29 1b Reading	28.90 31.40 37.10 Test c Antenna dB 25.92 28.93 31.44 37.14 Test c Antenna	8.73 11.51 14.36 hannel Cable dB 5.28 8.71 11.51 14.29 hannel Cable	36.98 35.16 33.36 Preamp dB 36.47 37.05 35.21 33.31 CH ² Preamp	0.00 0.00 0.00 11 Aux dB 0.00 0.00 0.00 0.00 11 Aux	35.03 48.80 48.72 Level dBuV/1 30.30 35.03 47.84 48.41 Level	74.00 74.00 Polarity Limit m dBuV/m 74.00 74.00 74.00 74.00 74.00 74.00 24.00 24.00	-38.97 -25.20 -25.28 Over limit -43.70 -38.97 -26.16 -25.59 Over	V Peak Peak Horizontal Remark Peak Peak Peak Peak Peak Peak Peak Pea
	2 3 4 Mark 1 2 3 4	3200 4871 8125 Fre M 1257 3184 4920 8022 Fre	.50 .10 .22 802.1 ² quency Hz .47 .25 .96 .46 802.1 ²	34.38 41.05 30.62 1b Reading dBuV/m 35.57 34.44 40.10 30.29 1b Reading dBuV/m	28.90 31.40 37.10 Test c Antenna dB 25.92 28.93 31.44 37.14 Test c Antenna dB	8.73 11.51 14.36 hannel Cable dB 5.28 8.71 11.51 14.29 hannel Cable dB	36.98 35.16 33.36 Preamp dB 36.47 37.05 35.21 33.31 CH ² Preamp dB	0.00 0.00 0.00 11 Aux dB 0.00 0.00 0.00 0.00 11 Aux dB	35.03 48.80 48.72 Level dBuV/1 30.30 35.03 47.84 48.41	74.00 74.00 74.00 Polarity Limit m dBuV/m 74.00 74.00 74.00 74.00 74.00 74.00 74.00 Rolarity	-38.97 -25.20 -25.28 Over limit -43.70 -38.97 -26.16 -25.59 Over limit	V Peak Peak Horizontal Remark Peak Peak Peak Peak Peak Peak Peak Pea
	2 3 4 Mark 1 2 3 4 Mark 1	3200 4871 8125 Fre M 1257 3184 4920 8022 Fre M 1251	.50 .10 .22 802.1 quency Hz .47 .25 .96 .46 802.1 quency Hz .08	34.38 41.05 30.62 1b Reading dBuV/m 35.57 34.44 40.10 30.29 1b Reading dBuV/m 34.46	28.90 31.40 37.10 Test c Antenna dB 25.92 28.93 31.44 37.14 Test c Antenna dB 25.92 28.93 31.44 37.14	8.73 11.51 14.36 hannel Cable dB 5.28 8.71 11.51 14.29 hannel Cable dB 5.28 8.71 11.51 14.29	36.98 35.16 33.36 Preamp dB 36.47 37.05 35.21 33.31 CH ² Preamp dB 36.50	0.00 0.00 0.00 11 Aux dB 0.00 0.00 0.00 0.00 11 Aux dB 0.00	35.03 48.80 48.72 Level dBuV/1 30.30 35.03 47.84 48.41 Level dBuV/ 29.12	74.00 74.00 74.00 Polarity Limit dBuV/m 74.00 74.00 74.00 74.00 74.00 74.00 Rolarity	-38.97 -25.20 -25.28 Over limit -43.70 -38.97 -26.16 -25.59 Over limit -44.88	V Peak Peak Horizontal Remark Peak Peak Peak Peak Peak Peak Peak Pea
	2 3 4 Mark 1 2 3 4 Mark	3200 4871 8125 Fre M 1257 3184 4920 8022 Fre M 1251 3018	.50 .10 .22 802.1 quency Hz .47 .25 .96 .46 802.1 quency Hz .08 .50	34.38 41.05 30.62 1b Reading dBuV/m 35.57 34.44 40.10 30.29 1b Reading dBuV/m 34.46 34.23	28.90 31.40 37.10 Test c Antenna dB 25.92 28.93 31.44 37.14 Test c Antenna dB 25.90 28.74	8.73 11.51 14.36 hannel Cable dB 5.28 8.71 11.51 14.29 hannel Cable dB 5.26 8.48	36.98 35.16 33.36 Preamp dB 36.47 37.05 35.21 33.31 CH ² Preamp dB 36.50 37.46	0.00 0.00 0.00 11 Aux dB 0.00 0.00 0.00 0.00 11 Aux dB 0.00 0.00	35.03 48.80 48.72 Level dBuV/1 30.30 35.03 47.84 48.41 Level dBuV/ 29.12 33.99	74.00 74.00 74.00 Polarity M dBuV/m 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00	-38.97 -25.20 -25.28 Over limit -43.70 -38.97 -26.16 -25.59 Over limit -44.88 -40.01	V Peak Peak Peak Horizontal Remark Peak Peak Peak Peak Peak Peak Peak Pea
	2 3 4 Mark 1 2 3 4 Mark 1	3200 4871 8125 Fre M 1257 3184 4920 8022 Fre M 1251	.50 .10 .22 802.1 quency Hz .47 .25 .96 .46 802.1 quency Hz .08 .50 .96	34.38 41.05 30.62 1b Reading dBuV/m 35.57 34.44 40.10 30.29 1b Reading dBuV/m 34.46	28.90 31.40 37.10 Test c Antenna dB 25.92 28.93 31.44 37.14 Test c Antenna dB 25.92 28.93 31.44 37.14	8.73 11.51 14.36 hannel Cable dB 5.28 8.71 11.51 14.29 hannel Cable dB 5.28 8.71 11.51 14.29	36.98 35.16 33.36 Preamp dB 36.47 37.05 35.21 33.31 Preamp dB 36.50 37.46 35.21	0.00 0.00 0.00 11 Aux dB 0.00 0.00 0.00 0.00 11 Aux dB 0.00	35.03 48.80 48.72 Level dBuV/1 30.30 35.03 47.84 48.41 Level dBuV/ 29.12	74.00 74.00 74.00 Polarity M dBuV/m 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00	-38.97 -25.20 -25.28 Over limit -43.70 -38.97 -26.16 -25.59 Over limit -44.88	V Peak Peak Horizontal Remark Peak Peak Peak Peak Peak Peak Peak Pea

TEST DATA FOR 1 GHz ~ 25 GHz

Туре			802.1	1g	Test c	hannel	CHO)1		Polarity	Horizontal
	Mark		quency Hz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/		er Remark mit
	1	1413	.67	34.69	26.10	5.57	36.64	0.00	29.72	74.00 -44.	28 Peak
	2	3200	.50	35.45	28.90	8.73	36.98	0.00	36.10	74.00 -37.	90 Peak
	3	4834	.05	32.87	31.40	11.51	35.20	0.00	40.58	74.00 -33.4	42 Peak
	4	7921	.00	30.61	36.84	14.53	33.33	0.00	48.65	74.00 -25.	35 Peak
Туре			802.1	1g	Test c	hannel	CHO)1		Polarity	Vertical
	Mark	Fred	quency iz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit Ove n dBuV/m lin	
	1	1286.		33.68	25.97	5.38	36.35	0.00	28.68	74.00 -45.3	
	2	3384.	85	37.68	28.54	9.14	36.88	0.00	38.48	74.00 -35.5	2 Peak
	з	4821.	76	31.83	31.40	11.52	35.24	0.00	39.51	74.00 -34.4	9 Peak
	4	6032.	40	32.98	32.50	12.70	35.09	0.00	43.09	74.00 -30.9	1 Peak
Туре	802.11g			1g	Test channel CH06					Horizontal	
	Mark	Fre	quency	Reading	Antenna	Cable	Preamp	Aux	Level	Limit Ov	er Remark
			Hz	dBuV/m	dB	dB	dB	dB	dBuV/	m dBuV/m li	mit
	1	1316	.42	34.63	26.10	5.44	36.34	0.00	29.83	74.00 -44.	17 Peak
	2	3570		32.82	29.34	9.93	36.85	0.00	35.24	74.00 -38.	
	З	4871	.10	31.94	31.40	11.51	35.16	0.00	39.69	74.00 -34.	31 Peak
	4	8002	.06	30.35	37.10	14.29	33.31	0.00	48.43	74.00 -25.	57 Peak
Туре			802.1	1g	Test c	hannel	CHO)6		Polarity	Vertical
	Mark	Fred	uency	Reading	Antenna	Cable	Preamp	Aux	Level	Limit Ov	er Remark
		MH	+z	dBuV/m	dB	dB	dB	dB	dBuV/i	m dBuV/m lin	nit
	1	1257.	.47	34.10	25.92	5.28	36.47	0.00	28.83	74.00 -45.	17 Peak
	2	3200.	.50	35.36	28.90	8.73	36.98	0.00	36.01	74.00 -37.9	
		4871.		31.94	31.40	11.51	35.16	0.00	39.69	74.00 -34.	
	4	8292.	38	30.62	36.52	14.47	33.67	0.00	47.94	74.00 -26.0	06 Peak
Туре											
туре			802.1	1g	Test c	hannel	CH1	1		Polarity	Horizontal
туре	Mark	Fre		1g Reading				Aux	Level		
туре	Mark		802.1 quency Hz						Level dBuV/	Limit Ov	
туре	Mark 1		quency Hz	Reading	Antenna	Cable	Preamp	Aux		Limit Ov	er Remark mit
туре		М	quency Hz .61	Reading dBuV/m	An <mark>t</mark> enna dB	Cable dB	Preamp dB	Aux dB	dBuV/	Limit Ov m dBuV/m lin	er Remark mit 44 Peak
туре	1	M 1286	quency Hz .61 .28	Reading dBuV/m 35.56	Antenna dB 25.97	Cable dB 5.38	Preamp dB 36.35	Aux dB 0.00	dBuV/ 30.56	Limit Ov m dBuV/m lin 7 <mark>4</mark> .00 -43.4	er Remark mit 44 Peak 38 Peak
туре	1 2	M 1286 3844	quency Hz .61 .28 .99	Reading dBuV/m 35.56 32.84	Antenna dB 25.97 29.78	Cable dB 5.38 9.89	Preamp dB 36.35 36.89	Aux dB 0.00 0.00	dBuV/ 30.56 35.62	Limit Ov m dBuV/m lin 74.00 -43.4 74.00 -38.	er Remark mit 44 Peak 38 Peak 37 Peak
Туре	1 2 3	M 1286 3844 5034	quency Hz .61 .28 .99	Reading dBuV/m 35.56 32.84 31.34 30.97	Antenna dB 25.97 29.78 32.11 37.19	Cable dB 5.38 9.89 11.52	Preamp dB 36.35 36.89 35.34	Aux dB 0.00 0.00 0.00 0.00	dBuV/ 30.56 35.62 39.63	Limit Ov m dBuV/m lin 74.00 -43. 74.00 -38. 74.00 -34.	er Remark mit 44 Peak 38 Peak 37 Peak
	1 2 3 4	M 1286 3844 5034 8042	quency Hz .61 .28 .99 .90	Reading dBuV/m 35.56 32.84 31.34 30.97 1g Reading	Antenna dB 25.97 29.78 32.11 37.19 Test c Antenna	Cable dB 5.38 9.89 11.52 14.28 hannel Cable	Preamp dB 36.35 36.89 35.34 33.31 CH1 Preamp	Aux dB 0.00 0.00 0.00 0.00 1 Aux	dBuV/ 30.56 35.62 39.63 49.13 Level	Limit Ove dBuV/m lin 74.00 -43 74.00 -38. 74.00 -34. 74.00 -24. Polarity Limit Ove	er Remark mit 44 Peak 38 Peak 37 Peak 87 Peak Vertical er Remark
	1 2 3 4	M 1286 3844 5034 8042 Free M	quency Hz .61 .28 .99 .90 802.1 ² quency Hz	Reading dBuV/m 35.56 32.84 31.34 30.97 1g Reading dBuV/m	Antenna dB 25.97 29.78 32.11 37.19 Test c Antenna dB	Cable dB 5.38 9.89 11.52 14.28 hannel Cable dB	Preamp dB 36.35 36.89 35.34 33.31 CH1 Preamp dB	Aux dB 0.00 0.00 0.00 0.00 1 Aux dB	dBuV// 30.56 35.62 39.63 49.13 Level dBuV/r	Limit Ove m dBuV/m lin 74.00 -43 74.00 -38. 74.00 -34. 74.00 -24. Polarity Limit Ove n dBuV/m lin	er Remark mit 44 Peak 38 Peak 37 Peak 87 Peak Vertical er Remark hit
	1 2 3 4 Mark 1	M 1286 3844 5034 8042 Free M 1273	quency Hz .61 .28 .99 .90 802.1 ² quency Hz .57	Reading dBuV/m 35.56 32.84 31.34 30.97 1g Reading dBuV/m 34.41	Antenna dB 25.97 29.78 32.11 37.19 Test c Antenna dB 25.95	Cable dB 5.38 9.89 11.52 14.28 hannel Cable dB 5.34	Preamp dB 36.35 36.89 35.34 33.31 CH1 Preamp dB 36.40	Aux dB 0.00 0.00 0.00 0.00 1 1 Aux dB 0.00	dBuV// 30.56 35.62 39.63 49.13 Level dBuV/r 29.30	Limit Ove m dBuV/m lin 74.00 -43 74.00 -38. 74.00 -34. 74.00 -24. Polarity Limit Ove n dBuV/m lin 74.00 -44.7	er Remark mit 44 Peak 38 Peak 37 Peak 87 Peak Vertical er Remark hit 70 Peak
	1 2 3 4 Mark 1 2	M 1286 3844 5034 8042 Free M 1273 3192	quency Hz .61 .28 .99 .90 802.1 ² quency Hz .57 .37	Reading dBuV/m 35.56 32.84 31.34 30.97 1g Reading dBuV/m 34.41 36.65	Antenna dB 25.97 29.78 32.11 37.19 Test c Antenna dB 25.95 28.92	Cable dB 5.38 9.89 11.52 14.28 hannel Cable dB 5.34 8.72	Preamp dB 36.35 36.89 35.34 33.31 CH1 Preamp dB 36.40 37.01	Aux dB 0.00 0.00 0.00 0.00 1 1 Aux dB 0.00 0.00	dBuV// 30.56 35.62 39.63 49.13 Level dBuV/r 29.30 37.28	Limit Ove m dBuV/m lin 74.00 -43 74.00 -38. 74.00 -34. 74.00 -24. Polarity Limit Ove n dBuV/m lin 74.00 -44.7 74.00 -36.7	er Remark mit 44 Peak 38 Peak 37 Peak 87 Peak 87 Peak Vertical er Remark hit 70 Peak 72 Peak
	1 2 3 4 Mark 1	M 1286 3844 5034 8042 Free M 1273	quency Hz .61 .28 .99 .90 802.1 ² quency Hz .57 .37 .96	Reading dBuV/m 35.56 32.84 31.34 30.97 1g Reading dBuV/m 34.41	Antenna dB 25.97 29.78 32.11 37.19 Test c Antenna dB 25.95	Cable dB 5.38 9.89 11.52 14.28 hannel Cable dB 5.34	Preamp dB 36.35 36.89 35.34 33.31 CH1 Preamp dB 36.40 37.01 35.21	Aux dB 0.00 0.00 0.00 0.00 1 1 Aux dB 0.00	dBuV// 30.56 35.62 39.63 49.13 Level dBuV/r 29.30	Limit Ove m dBuV/m lin 74.00 -43 74.00 -38. 74.00 -34. 74.00 -24. Polarity Limit Ove n dBuV/m lin 74.00 -44.7	er Remark mit 44 Peak 38 Peak 37 Peak 87 Peak 87 Peak Vertical er Remark hit 70 Peak 72 Peak 16 Peak

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Туре		802.1	1n(HT20)	Test c	hannel	CHC)1		Polarity	Horizontal
	Mark F	requency	Reading	Antenna	Cable	Preamp	Aux	Level	Limit Ove	r Remark
		MHz	dBuV/m	dB	dB	dB	dB	dBuV/ı	m dBuV/m lim	it
	1 13	326.51	34.01	26.16	5.45	36.36	0.00	29.26	74.00 -44.7	
		80.60	34.15	28.92	8.59	37.49	0.00	34.17	74.00 -39.8	
		334.05	31.38	31.40	11.51	35.20	0.00	39.09	74.00 -34.9	
	4 80	942.90	30.51	37.19	14.28	33.31	0.00	48.67	74.00 -25.3	3 Peak
Туре		802.1	1n(HT20)	Test c	hannel	CHC)1		Polarity	Vertical
	Mark F	requency		Antenna	Cable		Aux	Level	Limit Ove	
		MHz	dBuV/m	dB	dB	dB	dB	dBuV/r		
		384.83	34.91	25.74	6.53	36.99	0.00	30.19	74.00 -43.8	
		192.37	38.28	28.92	8.72	37.01	0.00	38.91	74.00 -35.0	
		821.76	32.24	31.40	11.52	35.24	0.00	39.92	74.00 -34.0	
	4 00	322.46	30.60	37.14	14.29	33.31	0.00	48.72	74.00 -25.2	8 Peak
Туре		802.1	1n(HT20)	Test c	hannel	CHC	6		Polarity	Horizontal
	Mark F	requency	Reading	Antenna		Preamp	Aux	Level		
		MHz	dBuV/m	dB	dB	dB	dB	dBuV/		nit
		96.47	34.40	25.99	5.41	36.30	0.00	29.50	74.00 -44.	
		70.71	33.05	29.34	9.93	36.85	0.00	35.47	74.00 -38.	
		383.52	34.14	31.40	11.50	35.18	0.00	41.86	74.00 -32.1	
	4 76	82.70	30.32	36.37	14.72	33.16	0.00	48.25	74.00 -25.3	75 Peak
Туре		802.1	1n(HT20)	Test c	hannel	CHC	6		Polarity	Vertical
	Mark F	requency	Reading	Antenna	Cable	Preamp	Aux	Level	. Limit Ov	er Remark
		MHz	dBuV/m	dB	dB	dB	dB	dBuV/	'm dBuV/m li	mit
	1 13	303.09	34.63	26.02	5.42	36.30	0.00	29.77	74.00 -44.	23 Peak
	2 31	192.37	40.12	28.92	8.72	37.01	0.00	40.75	74.00 -33.	25 Peak
						35.16	0 00			
		371.10	31.70	31.40	11.51		0.00	39.45	74.00 -34.	
			31.70 34.08	31.40 32.50	11.51 12.70	35.09	0.00	39.45 44.19	74.00 -34. 74.00 -29.	
Туре		371.10 332.40		32.50			0.00			
Туре	4 60	371.10 332.40	34.08 1n(HT20)	32.50	12.70	35.09 CH1	0.00	44.19 Level	74.00 -29. Polarity Limit Ove	81 Peak Horizontal
Туре	4 60 Mark F	871.10 932.40 802.1 Frequency MHz	34.08 1n(HT20)	32.50 Test c	12.70 hannel	35.09 CH1	0.00 1	44.19	74.00 -29. Polarity Limit Ove	81 Peak Horizontal
Туре	4 60 Mark F	871.10 932.40 802.1 requency	34.08 1n(HT20) Reading	32.50 Test c Antenna	12.70 hannel Cable	35.09 CH1 Preamp	0.00 1 Aux	44.19 Level	74.00 -29. Polarity Limit Ove	81 Peak Horizontal er Remark nit
Туре	4 60 Mark F 1 17 2 30	871.10 932.40 802.1 Frequency MHz	34.08 1n(HT20) Reading dBuV/m	32.50 Test c Antenna dB 25.28 28.74	12.70 hannel Cable dB 6.45 8.48	35.09 CH1 Preamp dB 37.09 37.46	0.00 1 Aux dB 0.00 0.00	44.19 Level dBuV/ 29.07 34.83	74.00 -29. Polarity Limit Ove dBuV/m lin 74.00 -44.9 74.00 -39.3	81 Peak Horizontal er Remark nit 93 Peak L7 Peak
Туре	4 60 Mark F 1 17 2 30	871.10 932.40 802.1 requency MHz 68.62	34.08 1n(HT20) Reading dBuV/m 34.43	32.50 Test c Antenna dB 25.28 28.74 31.40	12.70 hannel Cable dB 6.45	35.09 CH1 Preamp dB 37.09 37.46 35.18	0.00 1 Aux dB 0.00 0.00 0.00	44.19 Level dBuV/ 29.07 34.83 38.17	74.00 -29. Polarity Limit Ove m dBuV/m lin 74.00 -44.9 74.00 -39.3 74.00 -35.8	81 Peak Horizontal er Remark nit 93 Peak 17 Peak 83 Peak
Туре	4 60 Mark F 1 17 2 30 3 48	871.10 802.1 requency MHz 68.62 18.50	34.08 1n(HT20) Reading dBuV/m 34.43 35.07	32.50 Test c Antenna dB 25.28 28.74	12.70 hannel Cable dB 6.45 8.48	35.09 CH1 Preamp dB 37.09 37.46	0.00 1 Aux dB 0.00 0.00	44.19 Level dBuV/ 29.07 34.83	74.00 -29. Polarity Limit Ov. m dBuV/m lin 74.00 -44.9 74.00 -39.3	81 Peak Horizontal er Remark nit 93 Peak 17 Peak 83 Peak
Туре	4 60 Mark F 1 17 2 30 3 48	871.10 802.1 requency MHz 68.62 18.50 83.52 54.17	34.08 1n(HT20) Reading dBuV/m 34.43 35.07 30.45	32.50 Test c Antenna dB 25.28 28.74 31.40 36.32	12.70 hannel Cable dB 6.45 8.48 11.50	35.09 CH1 Preamp dB 37.09 37.46 35.18	0.00 1 Aux dB 0.00 0.00 0.00 0.00	44.19 Level dBuV/ 29.07 34.83 38.17	74.00 -29. Polarity Limit Ove m dBuV/m lin 74.00 -44.9 74.00 -39.3 74.00 -35.8	81 Peak Horizontal er Remark nit 93 Peak 17 Peak 83 Peak
	4 60 Mark F 1 17 2 30 3 48 4 71	871.10 802.1 requency MHz 168.62 18.50 18.50 18.52 54.17 802.1 Frequency	34.08 1n(HT20) Reading dBuV/m 34.43 35.07 30.45 31.86 1n(HT20) Reading	32.50 Test c Antenna dB 25.28 28.74 31.40 36.32 Test c Antenna	12.70 hannel Cable dB 6.45 8.48 11.50 13.64 hannel Cable	35.09 CH1 Preamp dB 37.09 37.46 35.18 33.96 CH1 Preamp	0.00 1 Aux dB 0.00 0.00 0.00 1 Aux	44.19 Level dBuV/ 29.07 34.83 38.17 47.86 Level	74.00 -29. Polarity Limit Ove m dBuV/m lin 74.00 -44.9 74.00 -39.1 74.00 -35.1 74.00 -26.1 Polarity Limit Ove	81 Peak Horizontal er Remark nit 93 Peak 17 Peak 33 Peak 14 Peak Vertical r Remark
	4 60 Mark F 1 17 2 30 3 48 4 71 Mark F	871.10 802.1 requency MHz 168.62 18.50 18.50 18.52 54.17 802.1 Frequency MHz	34.08 1n(HT20) Reading dBuV/m 34.43 35.07 30.45 31.86 1n(HT20) Reading dBuV/m	32.50 Test c Antenna dB 25.28 28.74 31.40 36.32 Test c Antenna dB	12.70 hannel Cable dB 6.45 8.48 11.50 13.64 hannel Cable dB	35.09 Preamp dB 37.09 37.46 35.18 33.96 CH1 Preamp dB	0.00 1 Aux dB 0.00 0.00 0.00 0.00 1 Aux dB	44.19 Level dBuV/ 29.07 34.83 38.17 47.86 Level dBuV/n	74.00 -29. Polarity Limit Ove m dBuV/m lin 74.00 -44.9 74.00 -39.1 74.00 -35.1 74.00 -26.1 Polarity Limit Ove m dBuV/m lim	81 Peak Horizontal er Remark nit 93 Peak 17 Peak 33 Peak 14 Peak Vertical r Remark it
	4 60 Mark F 1 17 2 30 3 48 4 71 Mark F 1 13	871.10 802.1 requency MHz 68.62 18.50 83.52 54.17 802.1 Frequency MHz 802.1	34.08 1n(HT20) Reading dBuV/m 34.43 35.07 30.45 31.86 1n(HT20) Reading dBuV/m 33.90	32.50 Test c Antenna dB 25.28 28.74 31.40 36.32 Test c Antenna dB 26.28	12.70 hannel Cable dB 6.45 8.48 11.50 13.64 hannel Cable dB 5.49	35.09 CH1 Preamp dB 37.09 37.46 35.18 33.96 CH1 Preamp dB 36.43	0.00 1 Aux dB 0.00 0.00 0.00 0.00 1 Aux dB 0.00	44.19 Level dBuV/ 29.07 34.83 38.17 47.86 Level dBuV/r 29.24	74.00 -29. Polarity Limit Ove m dBuV/m lin 74.00 -44.9 74.00 -39.1 74.00 -35.1 74.00 -26.1 Polarity Limit Ove m dBuV/m lim 74.00 -44.7	81 Peak Horizontal er Remark nit 93 Peak 17 Peak 33 Peak 14 Peak Vertical r Remark it 6 Peak
	4 60 Mark F 1 17 2 30 3 48 4 71 Mark F 1 13 2 32	871.10 802.1 requency MHz 68.62 18.50 83.52 54.17 802.1 Frequency MHz 802.1 802.5 83.52 54.17	34.08 1n(HT20) Reading dBuV/m 34.43 35.07 30.45 31.86 1n(HT20) Reading dBuV/m 33.90 34.84	32.50 Test c Antenna dB 25.28 28.74 31.40 36.32 Test c Antenna dB 26.28 28.90	12.70 hannel Cable dB 6.45 8.48 11.50 13.64 hannel Cable dB 5.49 8.73	35.09 CH1 Preamp dB 37.09 37.46 35.18 33.96 CH1 Preamp dB 36.43 36.98	0.00 1 Aux dB 0.00 0.00 0.00 0.00 1 Aux dB 0.00 0.00 0.00	44.19 Level dBuV/ 29.07 34.83 38.17 47.86 Level dBuV/r 29.24 35.49	74.00 -29. Polarity Limit Ove m dBuV/m lin 74.00 -44.9 74.00 -39.1 74.00 -35.1 74.00 -26.1 Polarity Limit Ove m dBuV/m lim 74.00 -44.7 74.00 -38.5	81 Peak Horizontal er Remark nit 93 Peak 17 Peak 33 Peak 14 Peak Vertical r Remark it 6 Peak 1 Peak
	4 60 Mark F 1 17 2 30 3 48 4 71 Mark F 1 13 2 32 3 49	871.10 802.1 requency MHz 68.62 18.50 83.52 54.17 802.1 Frequency MHz 802.1	34.08 1n(HT20) Reading dBuV/m 34.43 35.07 30.45 31.86 1n(HT20) Reading dBuV/m 33.90	32.50 Test c Antenna dB 25.28 28.74 31.40 36.32 Test c Antenna dB 26.28	12.70 hannel Cable dB 6.45 8.48 11.50 13.64 hannel Cable dB 5.49	35.09 CH1 Preamp dB 37.09 37.46 35.18 33.96 CH1 Preamp dB 36.43	0.00 1 Aux dB 0.00 0.00 0.00 0.00 1 Aux dB 0.00	44.19 Level dBuV/ 29.07 34.83 38.17 47.86 Level dBuV/r 29.24	74.00 -29. Polarity Limit Ove m dBuV/m lin 74.00 -44.9 74.00 -39.1 74.00 -35.1 74.00 -26.1 Polarity Limit Ove m dBuV/m lim 74.00 -44.7	81 Peak Horizontal er Remark nit 93 Peak 17 Peak 33 Peak 14 Peak Vertical r Remark it 6 Peak 1 Peak 9 Peak

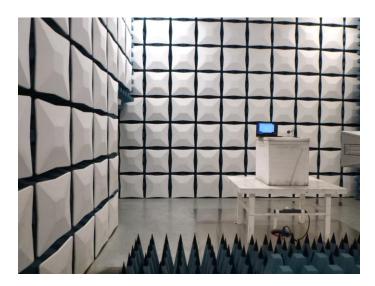
Туре			802.1	1n(HT40)	Test c	hannel	CH	03		Polarity		Horizontal	
	Mark	Free	uency iz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/		Over limi		
	1	1228.	98	35.64	25.78	5.19	36.58	0.00	30.03	74.00	-43.97	Peak	
	2	3507.	65	33.43	29.13	9.55	36.64	0.00	35.47	74.00	-38.53	Peak	
	3	5112.	49	31.49	32.15	11.44	35.47	0.00	39.61	74.00	-34.39	Peak	
	4	7900.	86	30.51	36.80	14.60	33.33	0.00	48.58	74.00	-25.42	Peak	
Туре			802.1	1n(HT40)	Test c	hannel	CH	03		Polarity		Vertical	
	Mark		quency Hz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/		Over limi	Remark	
	1	3192	. 37	34.37	28.92	8.72	37.01	0.00	35.00	74.00	-39.00	Peak	
	2	4797	. 27	31.98	31.40	11.51	35.32	0.00	39.57	74.00	-34.43	Peak	
	3	6032	.40	33.19	32.50	12.70	35.09	0.00	43.30	74.00	-30.70	Peak	
	4	8022	.46	31.10	37.14	14.29	33.31	0.00	49.22	74.00	-24.78	Peak	
Туре			802.1	1n(HT40)	Test c	hannel	CH	06		Polarity		Horizontal	
	Mark	Free	quency	Reading	Antenna	Cable	Preamp	Aux	Level	Limit	Over	Remark	
			lz Í	dBuV/m	dB	dB	dB	dB	dBuV/	/m dBuV/m	limi	it	
	1	1129	.96	36.03	25.40	5.01	36.83	0.00	29.61	74.00	-44.39	9 Peak	
	2	4700	. 57	31.72	31.40	11.12	35.74	0.00	38.50	74.00	-35.50) Peak	
	3	6235	. 36	30.36	32.87	13.07	34.61	0.00	41.69	74.00	-32.31	L Peak	
	4	7941	.19	30.95	36.88	14.47	33.32	0.00	48.98	74.00	-25.02	2 Peak	
Туре			802.1	1n(HT40)	Test c	hannel	CH	06		Polarity		Vertical	
	Mark	Free	quency	Reading	Antenna	Cable	Preamp	Aux	Level	Limit	Over	Remark	
		M	Iz	dBuV/m	dB	dB	dB	dB	dBuV/	/m dBuV/m	limi	it	
	1	1254	. 27	35.10	25.91	5.27	36.48	0.00	29.80	74.00	-44.20) Peak	
	2	3200	.50	34.92	28.90	8.73	36.98	0.00	35.57	74.00	-38.43	3 Peak	
	3	4883	.52	32.98	31.40	11.50	35.18	0.00	40.70	74.00	-33.30) Peak	
	4	9587	.23	31.14	39.15	15.43	37.05	0.00	48.67	74.00	-25.33	3 Peak	
Туре			802.1	1n(HT40)	Test c	hannol	CH	00		Polarity		Horizontal	
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					10000	nannei		09		Fulanty		TIONZONIAI	
1,750	Mark		quency	Reading	Antenna	Cable	Preamp	Aux	Level	Limit	Over	Remark	
1300		M	quency Hz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	dBuV/r	Limit m dBuV/m	limi	Remark t	
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	M 1247	quency Hz .90	Reading dBuV/m 35.27	Antenna dB 25.89	Cable dB 5.25	Preamp dB 36.51	Aux dB 0.00	dBuV/r 29.90	Limit m dBuV/m 74.00	limi -44.10	Remark t Peak	
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1 2	M 1247 3096	quency Hz .90 .33	Reading dBuV/m 35.27 34.77	Antenna dB 25.89 28.99	Cable dB 5.25 8.61	Preamp dB 36.51 37.44	Aux dB 0.00 0.00	dBuV/r 29.90 34.93	Limit dBuV/m 74.00 74.00	limi: -44.10 -39.07	Remark t Peak Peak	
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1 2 3	M 1247 3096 4883	quency Hz .90 .33 .52	Reading dBuV/m 35.27 34.77 32.30	Antenna dB 25.89 28.99 31.40	Cable dB 5.25 8.61 11.50	Preamp dB 36.51 37.44 35.18	Aux dB 0.00 0.00 0.00	dBuV/r 29.90 34.93 40.02	Limit dBuV/m 74.00 74.00 74.00	limi -44.10 -39.07 -33.98	Remark t Peak Peak Peak	
1,120	1 2	M 1247 3096	quency Hz .90 .33 .52	Reading dBuV/m 35.27 34.77	Antenna dB 25.89 28.99	Cable dB 5.25 8.61	Preamp dB 36.51 37.44	Aux dB 0.00 0.00	dBuV/r 29.90 34.93	Limit dBuV/m 74.00 74.00	limi: -44.10 -39.07	Remark t Peak Peak	
Туре	1 2 3	M 1247 3096 4883	quency Hz .90 .33 .52 .75	Reading dBuV/m 35.27 34.77 32.30	Antenna dB 25.89 28.99 31.40 36.60	Cable dB 5.25 8.61 11.50	Preamp dB 36.51 37.44 35.18	Aux dB 0.00 0.00 0.00 0.00	dBuV/r 29.90 34.93 40.02	Limit dBuV/m 74.00 74.00 74.00	limi -44.10 -39.07 -33.98	Remark t Peak Peak Peak	
	1 2 3 4	M 1247 3096 4883 7840	quency Hz .90 .33 .52 .75	Reading dBuV/m 35.27 34.77 32.30 30.89 1n(HT40) Reading	Antenna dB 25.89 28.99 31.40 36.60 Test C Antenna	Cable dB 5.25 8.61 11.50 14.43 hannel Cable	Preamp dB 36.51 37.44 35.18 33.25 CH	Aux dB 0.00 0.00 0.00 0.00 0.00	dBuV/r 29.90 34.93 40.02 48.67 Level	Limit dBuV/m 74.00 74.00 74.00 74.00 Polarity Limit	limi -44.10 -39.07 -33.98 -25.33 Over	Remark Peak Peak Peak Peak Vertical	
	1 2 3 4	M 1247 3096 4883 7840 Free	quency Hz .90 .33 .52 .75 802.1 ² quency Hz	Reading dBuV/m 35.27 34.77 32.30 30.89 1n(HT40)	Antenna dB 25.89 28.99 31.40 36.60 Test c	Cable dB 5.25 8.61 11.50 14.43 hannel Cable dB	Preamp dB 36.51 37.44 35.18 33.25 CH	Aux dB 0.00 0.00 0.00 0.00	dBuV/r 29.90 34.93 40.02 48.67	Limit dBuV/m 74.00 74.00 74.00 74.00 Polarity Limit	limi -44.10 -39.07 -33.98 -25.33 Over	Remark Peak Peak Peak Peak Vertical	
	1 2 3 4	M 1247 3096 4883 7840 Free M 1313	quency Hz .90 .33 .52 .75 802.1 ² quency Hz .08	Reading dBuV/m 35.27 34.77 32.30 30.89 1n(HT40) Reading dBuV/m 34.64	Antenna dB 25.89 28.99 31.40 36.60 Test C Antenna	Cable dB 5.25 8.61 11.50 14.43 hannel Cable dB 5.44	Preamp dB 36.51 37.44 35.18 33.25 CH Preamp dB 36.33	Aux dB 0.00 0.00 0.00 0.00 09 Aux dB 0.00	dBuV/r 29.90 34.93 40.02 48.67 Level dBuV/ 29.83	Limit dBuV/m 74.00 74.00 74.00 74.00 Polarity Limit m dBuV/m 74.00	limi -44.10 -39.07 -33.98 -25.33 Over limi -44.17	Remark Peak Peak Peak Peak Vertical Remark t Peak	
	1 2 3 4 Mark	MI 1247 3096 4883 7840 Free MI 1313 3184	quency Hz .90 .33 .52 .75 802.1 ⁴ quency Hz .08 .25	Reading dBuV/m 35.27 34.77 32.30 30.89 1n(HT40) Reading dBuV/m	Antenna dB 25.89 28.99 31.40 36.60 Test c Antenna dB	Cable dB 5.25 8.61 11.50 14.43 hannel Cable dB	Preamp dB 36.51 37.44 35.18 33.25 CH Preamp dB 36.33 37.05	Aux dB 0.00 0.00 0.00 0.00 09 Aux dB 0.00 0.00	dBuV/r 29.90 34.93 40.02 48.67 Level dBuV/ 29.83 37.43	Limit dBuV/m 74.00 74.00 74.00 74.00 Polarity Limit m dBuV/m 74.00 74.00 74.00 74.00 74.00 74.00 74.00	limi -44.10 -39.07 -33.98 -25.33 Over limi -44.17 -36.57	Remark Peak Peak Peak Peak Vertical Remark t Peak Peak	
	1 2 3 4 Mark	M 1247 3096 4883 7840 Free M 1313	quency 1z .90 .33 .52 .75 802.1 ² quency 1z .08 .25 .40	Reading dBuV/m 35.27 34.77 32.30 30.89 1n(HT40) Reading dBuV/m 34.64	Antenna dB 25.89 28.99 31.40 36.60 Test c Antenna dB 26.08	Cable dB 5.25 8.61 11.50 14.43 hannel Cable dB 5.44	Preamp dB 36.51 37.44 35.18 33.25 CH Preamp dB 36.33	Aux dB 0.00 0.00 0.00 0.00 09 Aux dB 0.00	dBuV/r 29.90 34.93 40.02 48.67 Level dBuV/ 29.83	Limit dBuV/m 74.00 74.00 74.00 74.00 Polarity Limit m dBuV/m 74.00	limi: -44.10 -39.07 -33.98 -25.33 Over limi -44.17	Remark Peak Peak Peak Peak Vertical Remark t Peak Peak Peak	

6. TEST SETUP PHOTOS

Radiated Emission









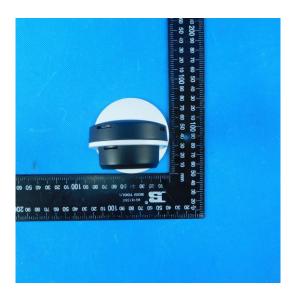
AC Conducted Emission



7. EXTERANAL AND INTERNAL PHOTOS

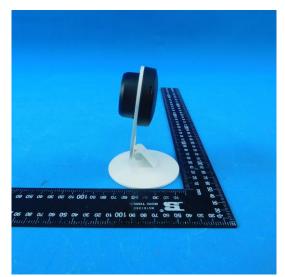
External Photos

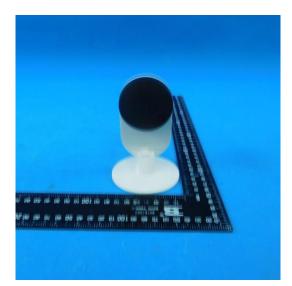


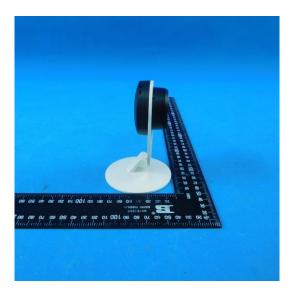


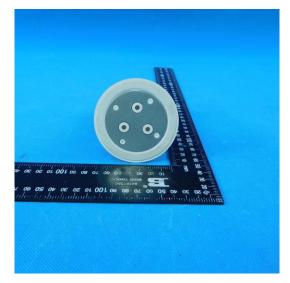


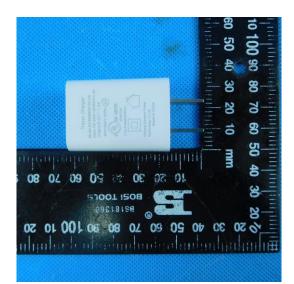
Shenzhen Huatongwei International Inspection Co., Ltd.



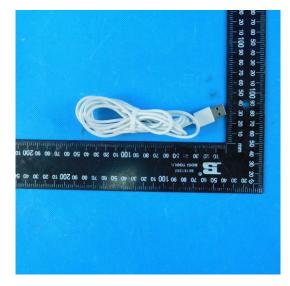








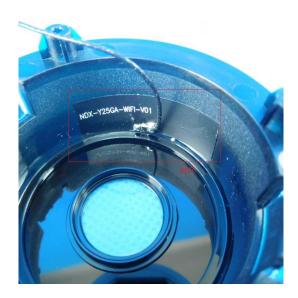




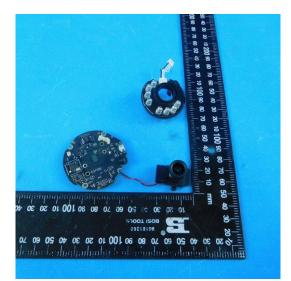
Internal Photos

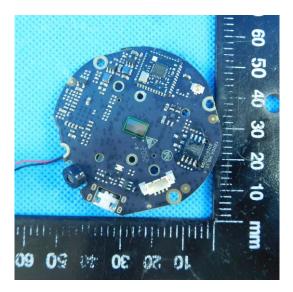




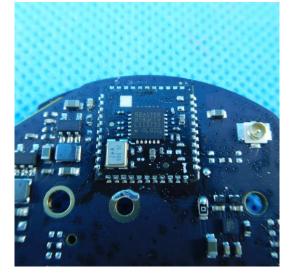


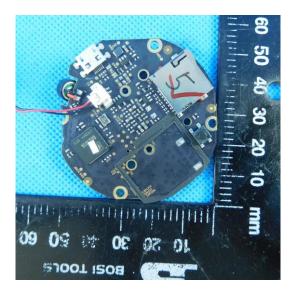






Shenzhen Huatongwei International Inspection Co., Ltd.











8. APPENDIX REPORT