

## CTC Laboratories, Inc.

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# TEST REPORT

Report No. .....: CTC20231800E03-R1

FCC ID...... 2AGKB-KM2PLUS-D

Applicant .....: Videostrong Technology Co.,Ltd

District, Shenzhen, China

Manufacturer...... Videostrong Technology Co.,Ltd

District, Shenzhen, China

Product Name .....: Set Top Box

Trade Mark .....: MECOOL

Model/Type reference..... KM2 PLUS D

Listed Model(s) ...... KM2 PLUS DELUXE, Lumia, HP4423, HP4422, HP4426,

HP44J, Ooredoo tv, Leap-S4

Standard .....: FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of receipt of test sample......: Oct. 24, 2023

Date of testing...... Oct. 27, 2023 ~ Nov. 15, 2023

Result.....: PASS

Compiled by:

(Printed name+signature) Lucy Lan

Supervised by:

(Printed name+signature) Eric Zhang

Approved by:

(Printed name+signature) Totti Zhao

Testing Laboratory Name .....: CTC Laboratories, Inc.

Address...... 2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan

High-Tech Park, Longhua District, Shenzhen, Guangdong, China

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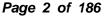




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## 1. TEST SUMMARY

## 1.1. Test Standards

The tests were performed according to following standards:

<u>FCC Rules Part 15.247</u>: Operation within the bands 902–928MHz, 2400–2483.5MHz, and 5725–5850MHz.

ANSI C63.10-2013: American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

## 1.2. Report Version

Revised No.	Report No.	Date of issue	Description
01	CTC20231800E03	Nov. 30, 2023	Original
02	CTC20231800E03-R1	Dec. 08, 2023	On the basis of the original report CTC20231800E03, Update Factory. The report CTC20231800E03 is invalid.

## 1.3. Test Description

FCC Part 15 Subpart C (15.247)					
Test Item Standard Section Result Test Engineer					
Antenna Requirement	15.203	Pass	Curry		
Conducted Emission	15.207	Pass	Curry		
Conducted Band Edge and Spurious Emissions	15.247(d)	Pass	Curry		
Radiated Band Edge and Spurious Emissions	15.205&15.209& 15.247(d)	Pass	Curry		
6dB Bandwidth	15.247(a)(2)	Pass	Curry		
Conducted Max Output Power	15.247(b)(3)	Pass	Curry		
Power Spectral Density	15.247(e)	Pass	Curry		
Transmitter Radiated Spurious	15.209&15.247(d)	Pass	Curry		

#### Note:

- 1. The measurement uncertainty is not included in the test result.
- 2. N/A: means this test item is not applicable for this device according to the technology characteristic of device.

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# 1.4. Test Facility

## Address of the report laboratory

## CTC Laboratories, Inc.

Add: 2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

### Laboratory accreditation

The test facility is recognized, certified, or accredited by the following organizations:

#### A2LA-Lab Cert. No.: 4340.01

CTC Laboratories, Inc. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

## Industry Canada (Registration No.: 9783A, CAB Identifier: CN0029)

CTC Laboratories, Inc. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: 9783A on Jan, 2016.

## FCC (Registration No.: 951311, Designation Number CN1208)

CTC Laboratories, Inc. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 951311, Aug 26, 2017.



1.5. Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2" and is documented in the CTC Laboratories, Inc. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Below is the best measurement capability for CTC Laboratories, Inc.

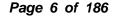
Test Items	Measurement Uncertainty	Notes
DTS Bandwidth	±0.0196%	(1)
Maximum Conducted Output Power	±0.686 dB	(1)
Maximum Power Spectral Density Level	±0.743 dB	(1)
Band-edge Compliance	±1.328 dB	(1)
Unwanted Emissions In Non-restricted Freq Bands	9kHz-1GHz: ±0.746dB 1GHz-26GHz: ±1.328dB	(1)
Conducted Emissions 9kHz~30MHz	±3.08 dB	(1)
Radiated Emissions 30~1000MHz	±4.51 dB	(1)
Radiated Emissions 1~18GHz	±5.84 dB	(1)
Radiated Emissions 18~40GHz	±6.12 dB	(1)

Note (1): This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

## 1.6. Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15 °C to 35 °C
Relative Humidity:	20 % to 75 %
Air Pressure:	101 kPa





2. GENERAL INFORMATION

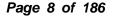
## 2.1. Client Information

A 12 4	
Applicant: Videostrong Technology Co.,Ltd	
Address:	604, Lushi industrial Building, 28 District, Bao'an District, Shenzhen, China
Manufacturer: Videostrong Technology Co.,Ltd	
Address:	604, Lushi industrial Building, 28 District, Bao'an District, Shenzhen, China
Factory:	SHENZHEN JINGYANG BOCHUANG DIGITAL TECHNOLOGY CO., LTD.
Address:	ROOM 101102, BUILDING H, LICHENG SCIENCE AND TECHNOLOGY INDUSTRIAL PARK, XINHE AVENUE, GONGHE COMMUNITY, SHAJING STREET, BAOAN DISTRICT, SHENZHEN



2.2. General Description of EUT

Product Name:	Set Top Box
Trade Mark:	MECOOL
Model/Type reference:	KM2 PLUS D
Listed Model(s):	KM2 PLUS DELUXE, Lumia, HP4423, HP4422, HP4426, HP44J, Ooredoo tv, Leap-S4
Model Difference:	All these models are identical in the same PCB, layout and electrical circuit, Different is model number.
Power supply:	DC12V 1A from AC/DC Adapter
Adapter Model:	AT-506A-120100JC Input: 100-240V~ 50/60Hz 0.4A Output: 12Vdc/1A 12W
Hardware Version:	/
Software Version:	/
2.4G Wi-Fi	
Modulation:	802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g/ n: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)
Operation Frequency:	802.11b/ g/ n(HT20)/ ax(HE20): 2412MHz~2462MHz 802.11n(HT40)/ ax(HE40): 2422MHz~2452MHz
Channel Number:	802.11b/ g/ n(HT20)/ ax(HE20): 11 channels 802.11n(HT40)/ ax(HE40): 7 channels
Channel Separation:	5MHz
Antenna Type:	FPC Antenna
Antenna Gain:	2.3dBi





2.3. Accessory Equipment Information

Equipment Information				
Name	Model	S/N	Manufacturer	
Notebook	ThinkBook 14G3 ACL	MP246QDR	Lenovo	
Displayer	EW3270-T	EW3270U	BenQ	
Cable Information				
Name	Shielded Type	Ferrite Core	Length	
LAN Cable	Without	Without	1.5M	
HDMI Cable	Without	Without	1.5M	
Test Software Information				
Name	Versions	/	/	
SecureCRT	/	/	/	



2.4. Operation State

Operation Frequency List: The EUT has been tested under typical operating condition. The Applicant provides communication tools software to control the EUT for staying in continuous transmitting and receiving mode for testing.

Operation Frequency List:

Channel	Frequency (MHz)
01	2412
02	2417
03	2422
04	2427
05	2432
06	2437
07	2442
08	2447
09	2452
10	2457
11	2462

Note: CH 01~CH 11 for 802.11b/g/n(HT20)/ax(HE20), CH 03~CH 09 for 802.11n(HT40)/ax(HE40).

#### Data Rated:

Preliminary tests were performed in different data rate, and found which the below bit rate is worst case mode, so only show data which it is the worst case mode.

Test Mode	Data Rate (worst mode)	
802.11b	1Mbps	
802.11g	6Mbps	
802.11n(HT20)/ (HT40)	HT-MCS8	
802.11ax(HE20)/ (HE40)	HE-MCS0	

#### 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.



**RU** Configuration:

Operating Mode	Resource Unit	26 Tone (2M)
		0
		i
	Specific Resource Unit	4
		:
<u> </u>		8
	Resource Unit	52 Tone (4M)
		37
802.11ax(HE20)	Specific Resource Unit	38
	Opecine Resource Offic	39
		40
	Resource Unit	106 Tone (8M)
	0	53
	Specific Resource Unit	54
	Resource Unit	242 Tone (20M)
	Specific Resource Unit	61
Operating Mode	Resource Unit	26 Tone (2M)
		0
		:
	Specific Resource Unit	8
		<u> </u>
		17
	Resource Unit	52 Tone (4M)
		37
		38
		39
	Cracifia Dagayana Unit	40
	Specific Resource Unit	41
		42
802.11ax(HE40)		43
		44
	Resource Unit	106 Tone (8M)
		53
		54
	Specific Resource Unit	55
		56
	Resource Unit	242 Tone (20M)
		61
	Specific Resource Unit	62
	Resource Unit	
		484 Tone (40M)
	Specific Resource Unit	65



## 2.5. Measurement Instruments List

RF Tes	RF Test System					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated Until	
1	MXA Signal Analyzer	Keysight	N9020A	MY52091402	Aug. 22, 2024	
2	High and low temperature test chamber	ESPEC	MT3035	/	Mar. 24, 2024	
3	USB Wideband Power Sensor	Keysight	U2021XA	MY55130004	Mar. 14, 2024	
4	USB Wideband Power Sensor	Keysight	U2021XA	MY55130006	Mar. 14, 2024	
5	Test Software	WCS	WCS-WCN	2023.08.04	/	

Radiate	d Emission (3m chamber 3	3)			
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated Until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9163	01026	Dec. 18, 2024
2	Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-647	Dec. 01, 2024
3	Test Receiver	Keysight	N9038A	MY56400071	Dec. 16, 2023
4	Broadband Amplifier	SCHWARZBECK	BBV9743B	259	Dec. 16, 2023
5	Mirowave Broadband Amplifier	SCHWARZBECK	BBV9718C	111	Dec. 16, 2023
6	3m chamber 3	YIHENG	EE106	/	Aug. 28, 2026
7	Test Software	FARA	EZ-EMC	FA-03A2	1

Conduc	cted Emission				
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated Until
1	LISN	R&S	ENV216	101112	Dec. 16, 2023
2	LISN	R&S	ENV216	101113	Dec. 16, 2023
3	EMI Test Receiver	R&S	ESCS30	100353	Dec. 16, 2023
4	ISN CAT6	Schwarzbeck	NTFM 8158	CAT6-8158-0046	Dec. 16, 2023
5	ISN CAT5	Schwarzbeck	NTFM 8158	CAT5-8158-0046	Dec. 16, 2023
6	Test Software	R&S	EMC32	6.10.10	/

Note: 1. The Cal. Interval was one year.

- 2. The Cal. Interval was three years of the antenna.
- 3. The cable loss has been calculated in test result which connection between each test instruments.

CTC Laboratories, Inc.



## 3. TEST ITEM AND RESULTS

## 3.1. Conducted Emission

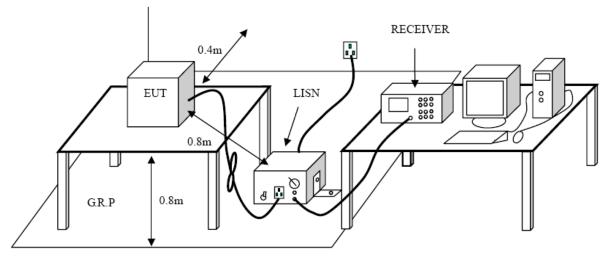
## <u>Limit</u>

## FCC CFR Title 47 Part 15 Subpart C Section 15.207

Fraguency (MHz)	Conducte	d Limit (dBµV)
Frequency (MHz)	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46 *
0.5 - 5	56	46
5 - 30	60	50

<sup>\*</sup> Decreases with the logarithm of the frequency.

## **Test Configuration**



## **Test Procedure**

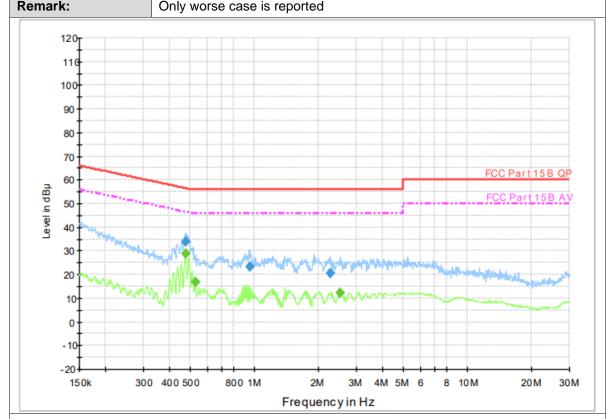
- 1. The EUT was setup according to ANSI C63.10:2013 requirements.
- 2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
- 3. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm / 50 µH 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 2.4.

## **Test Result**

Test Voltage:	AC 120V/60Hz
Terminal:	Line
Domonic	Only waren and in remarked



## **Final Measurement Detector 1**

Frequency (MHz)	QuasiPeak (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.471700	34.0	1000.00	9.000	On	L1	9.5	22.5	56.5	
0.944790	23.2	1000.00	9.000	On	L1	9.5	32.8	56.0	
2.255710	20.7	1000.00	9.000	On	L1	9.5	35.3	56.0	

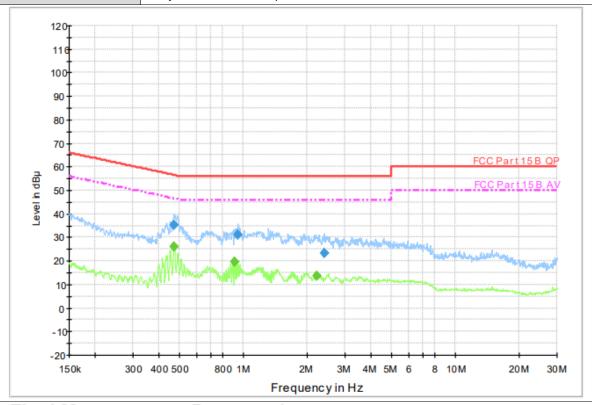
## Final Measurement Detector 2

	Frequency (MHz)	Average (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
	0.471700	28.7	1000.00	9.000	On	L1	9.5	17.8	46.5	
	0.525380	16.6	1000.00	9.000	On	L1	9.5	29.4	46.0	
Г	2.522470	12.4	1000.00	9.000	On	L1	9.5	33.6	46.0	

Emission Level = Read Level + Correct Factor



Test Voltage:	AC 120V/60Hz
Terminal:	Neutral
Remark:	Only worse case is reported



## **Final Measurement Detector 1**

Frequency (MHz)	QuasiPeak (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.466090	35.3	1000.00	9.000	On	N	9.4	21.3	56.6	
0.937270	31.0	1000.00	9.000	On	N	9.4	25.0	56.0	
2.394900	23.4	1000.00	9.000	On	N	9.4	32.6	56.0	

## Final Measurement Detector 2

Frequency (MHz)	Average (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.469820	25.9	1000.00	9.000	On	N	9.4	20.6	46.5	
0.900590	19.8	1000.00	9.000	On	N	9.4	26.2	46.0	
2.219970	13.5	1000.00	9.000	On	N	9.4	32.5	46.0	

Emission Level = Read Level + Correct Factor



## 3.2. Radiated Emission

## <u>Limit</u>

## FCC CFR Title 47 Part 15 Subpart C Section 15.209

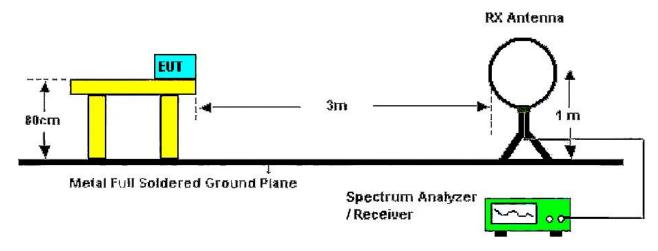
Frequency	Field Strength	Measurement Distance
(MHz)	(microvolts/meter)	(meters)
0.009~0.490	2400/F (kHz)	300
0.490~1.705	24000/F (kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

Fraguency Pango (MHz)	dBμV/m (at 3 meters)					
Frequency Range (MHz)	Peak	Average				
Above 1000	74	54				

## Note:

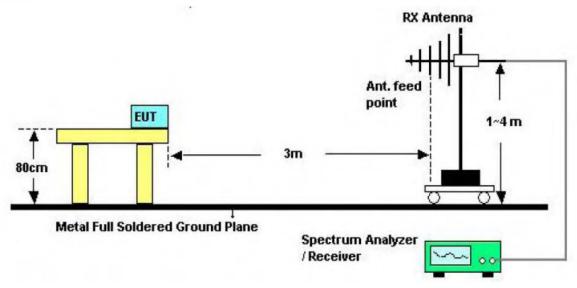
- (1) The tighter limit applies at the band edges.
- (2) Emission Level (dBμV/m)=20log Emission Level (μV/m).

## **Test Configuration**

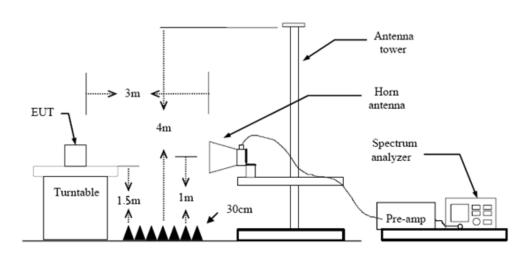


Below 30MHz Test Setup





30-1000MHz Test Setup



Above 1GHz Test Setup

## **Test Procedure**

- 1. The EUT was setup and tested according to ANSI C63.10:2013.
- 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
- (1) Span shall wide enough to fully capture the emission being measured;
- (2) 9k 150kHz:

RBW=300 Hz, VBW=1 kHz, Sweep=auto, Detector function=peak, Trace=max hold

(3) 0.15M - 30MHz:

RBW=10 kHz, VBW=30 kHz, Sweep=auto, Detector function=peak, Trace=max hold

(4) 30M - 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.

(5) From 1 GHz to 10<sup>th</sup> harmonic:

RBW=1MHz, VBW=3MHz Peak detector for Peak value.

RBW=1MHz, VBW see note 1 with Peak Detector for Average Value.

Note 1: For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 3.8 Duty Cycle.

## **Test Mode**

Please refer to the clause 2.4.

### **Test Result**

#### 9 kHz~30 MHz

From 9 kHz to 30 MHz: The conclusion is PASS.

Note: The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



80 70 60 FCC Part15 C 30-1000M Margin -6-d8 6 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Ant.	No.	Ant 1									
Remark: Only worse case is reported.  90.0 dBuV/m  60  60  40  30  20  10	Ant.	Pol.	Horiz	ontal								
90.0 dBuV/m  80  70  60  FCC Part15 C 30-1000M  Margin -6 dB  20  10	Test	Mode:	TX 8	TX 802.11b Mode 2412MHz								
80	Rem	nark:	Only	worse	e case is reported.							
FCC Part15 C 30-1000M Margin 6 dB  2 4 5  60  10	90.0	dBuV/m										
FCC Part15 C 30-1000M  Margin - 6 dB  2  40  30  20  10	80											
FCC Part15 C 30-1000M Margin -6 dB	70											
20 10 10 20 10 10 10 10 10 10 10 10 10 10 10 10 10	60							FCC	Part15 C	: 30-1000N		
20 10	50							Marg	in -6 dB			
20 10	40					2	4 5 3 ×	_				
10	30				<u> </u>	VII. WANTAMAMA	Walleton In	*	يا	bis land of free land	philosophiadou	
	20	Manual Ma			LLLL MANNYMYM			mrwill <sup>th</sup>	tender/velapler			
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	0											
-10	-10	000 00	00		(MII-)		00 00				1000	n nor

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	38.0833	36.97	-14.90	22.07	40.00	-17.93	QP
2	225.6167	53.91	-15.22	38.69	46.00	-7.31	QP
3	315.5033	49.38	-12.98	36.40	46.00	-9.60	QP
4	335.8733	51.00	-12.31	38.69	46.00	-7.31	QP
5 *	384.0500	51.54	-11.35	40.19	46.00	-5.81	QP
6	431.9033	43.32	-10.60	32.72	46.00	-13.28	QP

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant.	No.			Α	Ant 1												
Ant.	. Pol.			V	/ertical												
Test	t Mode	<b>):</b>		T.	X 80	)2.´	11k	Mode 2412MH	Z								
Ren	nark:			О	nly	wo	rse	case is reporte	d.								
90.0	dBuV/i	m															7
80																	
70																	-
60					FCC Part15 C 30-1000M												
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	33.2333	50.77	-15.67	35.10	40.00	-4.90	QP
2	35.8200	47.97	-15.51	32.46	40.00	-7.54	QP
3	191.9900	49.28	-16.67	32.61	43.50	-10.89	QP
4	223.3533	50.85	-15.29	35.56	46.00	-10.44	QP
5	315.8267	44.47	-12.97	31.50	46.00	-14.50	QP
6	431.9033	42.51	-10.60	31.91	46.00	-14.09	QP

#### Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11b Mode 2412MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	4824.083	32.08	2.11	34.19	54.00	-19.81	AVG
2	4824.124	41.73	2.11	43.84	74.00	-30.16	peak

## Remarks:

 $1. Factor \ (dB/m) = Antenna \ Factor \ (dB/m) + Cable \ Factor \ (dB) - Pre-amplifier \ Factor$ 

2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11b Mode 2412MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	4823.971	37.29	2.11	39.40	74.00	-34.60	peak
2 *	4823.971	31.33	2.11	33.44	54.00	-20.56	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11b Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	4873.655	41.43	2.18	43.61	74.00	-30.39	peak
2 *	4874.105	30.37	2.18	32.55	54.00	-21.45	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11b Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4873.971	41.22	2.18	43.40	74.00	-30.60	peak
2 *	4874.042	30.51	2.18	32.69	54.00	-21.31	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11b Mode 2462MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	4923.779	40.25	2.26	42.51	74.00	-31.49	peak
2 *	4924.023	27.62	2.26	29.88	54.00	-24.12	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11b Mode 2462MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4923.973	33.13	2.26	35.39	74.00	-38.61	peak
2 *	4923.973	27.47	2.26	29.73	54.00	-24.27	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11g Mode 2412MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	4823.439	24.25	2.11	26.36	54.00	-27.64	AVG
2	4823.917	39.54	2.11	41.65	74.00	-32.35	peak

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1			
Ant. Pol.	Vertical			
Test Mode:	TX 802.11g Mode 2412MHz			
Remark:	No report for the emission which more than 20 dB below the prescribed limit.			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	4824.035	24.65	2.11	26.76	54.00	-27.24	AVG
2	4824.775	38.85	2.11	40.96	74.00	-33.04	peak

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11g Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4873.271	38.97	2.18	41.15	74.00	-32.85	peak
2 *	4874.708	24.30	2.18	26.48	54.00	-27.52	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11g Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4873.331	39.60	2.18	41.78	74.00	-32.22	peak
2 *	4874.527	23.96	2.18	26.14	54.00	-27.86	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11g Mode 2462MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	4923.586	39.23	2.26	41.49	74.00	-32.51	peak
2 *	4924.062	29.24	2.26	31.50	54.00	-22.50	AVG

## Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11g Mode 2462MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	4923.684	22.97	2.26	25.23	54.00	-28.77	AVG
2	4923.725	38.52	2.26	40.78	74.00	-33.22	peak

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2			
Ant. Pol.	Horizontal			
Test Mode:	TX 802.11n(HT20) Mode 2412MHz			
Remark:	No report for the emission which more than 20 dB below the prescribed limit.			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	4823.911	25.37	2.11	27.48	54.00	-26.52	AVG
2	4824.029	39.51	2.11	41.62	74.00	-32.38	peak

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT20) Mode 2412MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector
1	4823.657	39.27	2.11	41.38	74.00	-32.62	peak
2 *	4824.800	24.23	2.11	26.34	54.00	-27.66	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2			
Ant. Pol.	Horizontal			
Test Mode:	TX 802.11n(HT20) Mode 2437MHz			
Remark:	No report for the emission which more than 20 dB below the prescribed limit.			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	4873.384	39.06	2.18	41.24	74.00	-32.76	peak
2 *	4874.762	23.78	2.18	25.96	54.00	-28.04	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2			
Ant. Pol.	Vertical			
Test Mode:	TX 802.11n(HT20) Mode 2437MHz			
Remark:	No report for the emission which more than 20 dB below the prescribed limit.			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4874.410	23.75	2.18	25.93	54.00	-28.07	AVG
2	4874.930	38.89	2.18	41.07	74.00	-32.93	peak

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2			
Ant. Pol.	Horizontal			
Test Mode:	TX 802.11n(HT20) Mode 2462MHz			
Remark:	No report for the emission which more than 20 dB below the prescribed limit.			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4923.136	39.93	2.25	42.18	74.00	-31.82	peak
2 *	4923.541	23.30	2.26	25.56	54.00	-28.44	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2				
Ant. Pol.	Vertical				
Test Mode:	TX 802.11n(HT20) Mode 2462MHz				
Remark:	No report for the emission which more than 20 dB below the prescribed limit.				

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4923.035	23.31	2.25	25.56	54.00	-28.44	AVG
2	4924.141	38.87	2.26	41.13	74.00	-32.87	peak

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2				
Ant. Pol.	Horizontal				
Test Mode:	TX 802.11n(HT40) Mode 2422MHz				
Remark:	No report for the emission which more than 20 dB below the prescribed limit.				

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	4844.444	40.78	2.13	42.91	74.00	-31.09	peak
2 *	4844.451	24.95	2.13	27.08	54.00	-26.92	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2			
Ant. Pol.	Vertical			
Test Mode:	TX 802.11n(HT40) Mode 2422MHz			
Remark:	No report for the emission which more than 20 dB below the prescribed limit.			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	l .	Margin (dB)	Detector
1	4843.300	39.92	2.12	42.04	74.00	-31.96	peak
2 *	4844.577	25.06	2.13	27.19	54.00	-26.81	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	4873.845	38.64	2.18	40.82	74.00	-33.18	peak
2 *	4874.699	24.27	2.18	26.45	54.00	-27.55	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT40) Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4873.917	38.13	2.18	40.31	74.00	-33.69	peak
2 *	4873.943	24.28	2.18	26.46	54.00	-27.54	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2				
Ant. Pol.	Horizontal				
Test Mode:	TX 802.11n(HT40) Mode 2452MHz				
Remark:	No report for the emission which more than 20 dB below the prescribed limit.				

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	4904.432	38.89	2.22	41.11	74.00	-32.89	peak
2 *	4904.609	24.17	2.22	26.39	54.00	-27.61	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2			
Ant. Pol.	Vertical			
Test Mode:	TX 802.11n(HT40) Mode 2452MHz			
Remark:	No report for the emission which more than 20 dB below the prescribed limit.			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4903.496	38.39	2.22	40.61	74.00	-33.39	peak
2 *	4904.541	24.26	2.22	26.48	54.00	-27.52	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2			
Ant. Pol.	Horizontal			
Test Mode:	TX 802.11ax(HE20) Mode 2412MHz 242/61			
Remark:	No report for the emission which more than 20 dB below the prescribed limit.			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	4823.477	24.98	2.11	27.09	54.00	-26.91	AVG
2	4823.763	40.12	2.11	42.23	74.00	-31.77	peak

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2			
Ant. Pol.	Vertical			
Test Mode:	TX 802.11ax(HE20) Mode 2412MHz 242/61			
Remark:	No report for the emission which more than 20 dB below the prescribed limit.			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	4824.025	38.99	2.11	41.10	74.00	-32.90	peak
2 *	4824.422	25.80	2.11	27.91	54.00	-26.09	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 2437MHz 242/61
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4874.276	39.92	2.18	42.10	74.00	-31.90	peak
2 *	4874.758	24.05	2.18	26.23	54.00	-27.77	AVG

## Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2				
Ant. Pol.	Vertical				
Test Mode:	TX 802.11ax(HE20) Mode 2437MHz 242/61				
Remark:	No report for the emission which more than 20 dB below the prescribed limit.				

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4873.641	39.21	2.18	41.39	74.00	-32.61	peak
2 *	4874.311	23.25	2.18	25.43	54.00	-28.57	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2			
Ant. Pol.	Horizontal			
Test Mode:	TX 802.11ax(HE20) Mode 2462MHz 242/61			
Remark:	No report for the emission which more than 20 dB below the prescribed limit.			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	4923.190	37.98	2.25	40.23	74.00	-33.77	peak
2 *	4923.735	23.17	2.26	25.43	54.00	-28.57	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2			
Ant. Pol.	Vertical			
Test Mode:	TX 802.11ax(HE20) Mode 2462MHz 242/61			
Remark:	No report for the emission which more than 20 dB below the prescribed limit.			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	4923.077	22.92	2.25	25.17	54.00	-28.83	AVG
2	4923.693	38.99	2.26	41.25	74.00	-32.75	peak

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 2422MHz 484/65
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4844.097	25.08	2.13	27.21	54.00	-26.79	AVG
2	4844.499	39.43	2.13	41.56	74.00	-32.44	peak

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2			
Ant. Pol.	Vertical			
Test Mode:	TX 802.11ax(HE40) Mode 2422MHz 484/65			
Remark:	No report for the emission which more than 20 dB below the prescribed limit.			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	4843.266	38.92	2.12	41.04	74.00	-32.96	peak
2 *	4844.202	25.15	2.13	27.28	54.00	-26.72	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 2437MHz 484/65
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4873.097	39.63	2.18	41.81	74.00	-32.19	peak
2 *	4874.623	23.83	2.18	26.01	54.00	-27.99	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 2437MHz 484/65
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	4873.505	24.59	2.18	26.77	54.00	-27.23	AVG
2	4874.553	38.57	2.18	40.75	74.00	-33.25	peak

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 2452MHz 484/65
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4903.465	39.69	2.22	41.91	74.00	-32.09	peak
2 *	4904.795	23.83	2.22	26.05	54.00	-27.95	AVG

# Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 2452MHz 484/65
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	l e	Margin (dB)	Detector
1	4903.486	38.40	2.22	40.62	74.00	-33.38	peak
2 *	4904.101	23.02	2.22	25.24	54.00	-28.76	AVG

# Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



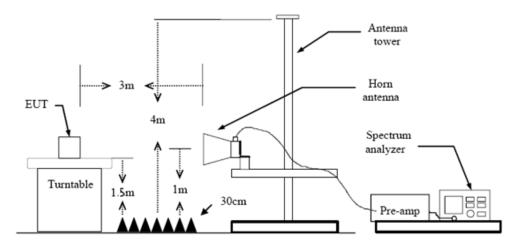
# 3.3. Band Edge Emissions (Radiated)

# Limit

# FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d) / RSS-247 5.5

Restricted Frequency Band	(dBµV/m) (at 3m)			
(MHz)	Peak	Average		
2310 ~ 2390	74	54		
2483.5 ~ 2500	74	54		

# **Test Configuration**



# **Test Procedure**

- 1. The EUT was setup and tested according to ANSI C63.10:2013 requirements.
- 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.
- The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
- 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 the maximum emission, all of the interface cables were manipulated according to ANSI C63.10:2013 on radiated measurement.
- The receiver set as follow:

RBW=1MHz, VBW=3MHz Peak detector for Peak value.

RBW=1MHz, VBW see note 1 with Peak Detector for Average Value.

Note 1: For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 3.8 Duty Cycle.

### **Test Mode**

Please refer to the clause 2.4.

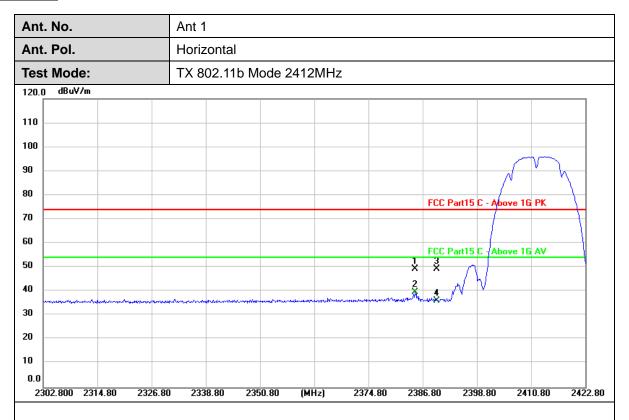
2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China: http://yz.cnca.cn

Fax: (86)755-27521011



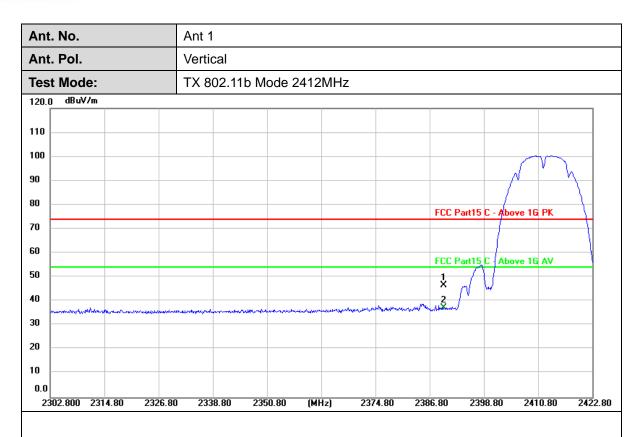
# **Test Result**



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2385.200	17.89	31.31	49.20	74.00	-24.80	peak
2 *	2385.200	8.46	31.31	39.77	54.00	-14.23	AVG
3	2390.000	18.06	31.31	49.37	74.00	-24.63	peak
4	2390.000	4.93	31.31	36.24	54.00	-17.76	AVG

#### Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2390.000	15.20	31.31	46.51	74.00	-27.49	peak
2 *	2390.000	6.08	31.31	37.39	54.00	-16.61	AVG

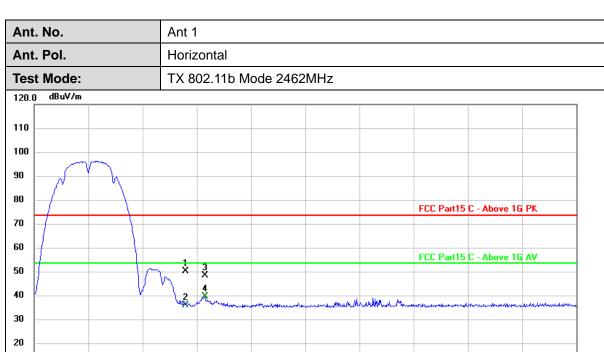
### Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2570.00

2558.00





No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	19.51	31.48	50.99	74.00	-23.01	peak
2	2483.500	5.14	31.48	36.62	54.00	-17.38	AVG
3	2487.800	17.67	31.49	49.16	74.00	-24.84	peak
4 *	2487.800	8.79	31.49	40.28	54.00	-13.72	AVG

(MHz)

2522.00

2534.00

2546.00

### Remarks:

10 0.0

2450.000 2462.00

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2498.00

2486.00

2474.00



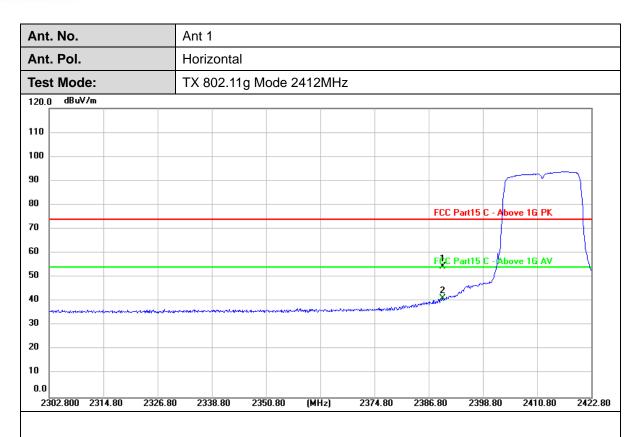




No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	20.71	31.48	52.19	74.00	-21.81	peak
2	2483.500	8.97	31.48	40.45	54.00	-13.55	AVG
3	2487.320	24.82	31.49	56.31	74.00	-17.69	peak
4 *	2487.320	11.36	31.49	42.85	54.00	-11.15	AVG

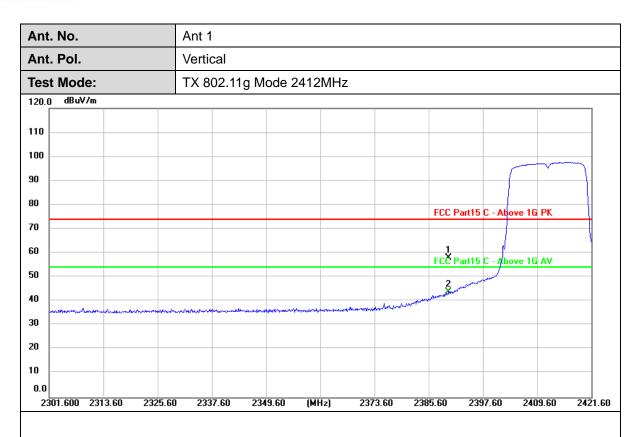
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor





No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector
1	2390.000	23.20	31.31	54.51	74.00	-19.49	peak
2 *	2390.000	9.81	31.31	41.12	54.00	-12.88	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2390.000	26.82	31.31	58.13	74.00	-15.87	peak
2 *	2390.000	12.51	31.31	43.82	54.00	-10.18	AVG

### Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



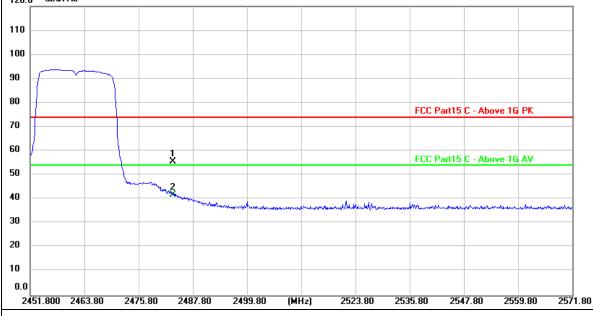
Ant. No. Ant 1

Ant. Pol. Horizontal

Test Mode: TX 802.11g Mode 2462MHz

120.0 dBuV/m

110
100
90



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2483.500	24.06	31.48	55.54	74.00	-18.46	peak
2 *	2483.500	10.45	31.48	41.93	54.00	-12.07	AVG

### Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

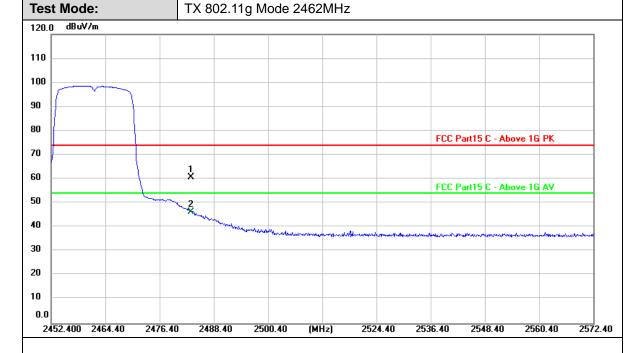
2.Margin value = Level -Limit value

中国国家认证认可监督管理委员会



Ant. No. Ant 1 Ant. Pol. Vertical

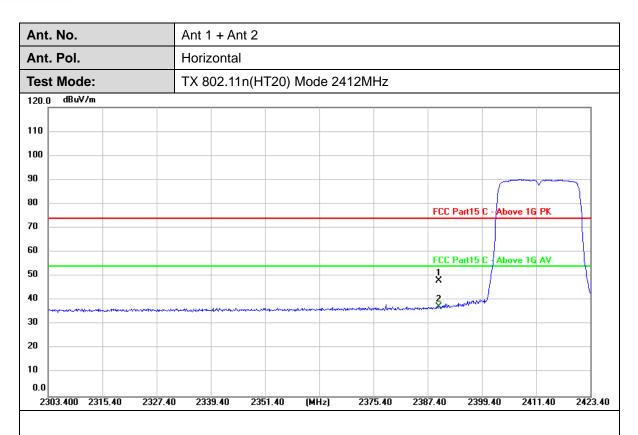
Report No.: CTC20231800E03-R1



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2483.500	29.37	31.48	60.85	74.00	-13.15	peak
2 *	2483.500	15.00	31.48	46.48	54.00	-7.52	AVG

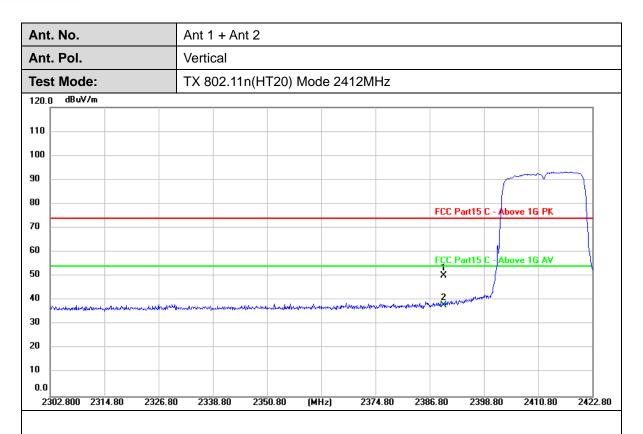
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor





No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2390.000	16.71	31.31	48.02	74.00	-25.98	peak
2 *	2390.000	6.07	31.31	37.38	54.00	-16.62	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2390.000	18.90	31.31	50.21	74.00	-23.79	peak
2 *	2390.000	6.67	31.31	37.98	54.00	-16.02	AVG

### Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No.	Ant 1 + Ant 2	
Ant. Pol.	Horizontal	
Test Mode:	TX 802.11n(HT20) Mode 24	62MHz
120.0 dBuV/m		
110		
100		
90		
80		
70		FCC Part15 C - Above 1G PK
60		
50	. X	FCC Part15 C - Above 16 AV
40	may and 2	
30	The world and an interest of the second of t	and the state of t
20		
10		
0.0		

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	l .	Margin (dB)	Detector
1	2483.500	18.95	31.48	50.43	74.00	-23.57	peak
2 *	2483.500	5.79	31.48	37.27	54.00	-16.73	AVG

# Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



	. No.				1 + Ant	<u> </u>						
Ant	. Pol.			Verti	cal							
Tes	t Mode:			TX 8	02.11n	(HT20) <b>[</b>	Mode 246	62MHz				
120.0	dBuV/m		$\equiv$									
110												
100			_									
90		V										
80									FCC Pa	rt15 C - Above	e 1G PK	
70												
60									FCC Pa	rt15 C - Above	e 1G AV	
50			Ţ.	1 X								
40				MAN WAR	ndown and all between and a	Marine	المساولة والمراورة و	LOWNS HAND HOUSE	Ladestrande prosent marginal	where topics again	ntentra resolutione	Magazinia
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20												
10												
0.0												

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	l .	Margin (dB)	Detector
1	2483.500	16.94	31.48	48.42	74.00	-25.58	peak
2 *	2483.500	9.06	31.48	40.54	54.00	-13.46	AVG

# Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

Ant	. No.		Ant 1	+ An	t 2						
Ant	. Pol.		Horiz	ontal							
Tes	t Mode:		TX 80	)2.11	1n(HT40) Mode 2422MHz						
120.0	) dBuV/m										
110											
100											
90											
80										Y	
70								FC	C Part15 C - Al	oove 1G PK	
60											
50							1 X		C Part15 C - Al	oove 1G AV	$\rightarrow$
40								- 1/			\
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20											
10											
0.0											
22	93.000 2308.00	2323.00	2338	3.00	2353.00	(MHz)	2383.00	2398.00	2413.00	2428.00	244

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector
1	2390.000	17.38	31.31	48.69	74.00	-25.31	peak
2 *	2390.000	6.48	31.31	37.79	54.00	-16.21	AVG

# Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT40) Mode 2422MHz
120.0 dBuV/m	
110	
100	
90	
80	
70	FCC Part15 C - Above 1G PK
60	
50	FQC Part15 C - Above 1G AV
40	2 company
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20	
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0.0	

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2390.000	19.71	31.31	51.02	74.00	-22.98	peak
2 *	2390.000	7.50	31.31	38.81	54.00	-15.19	AVG

# Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 2452MHz
120.0 dBuV/m	
110	
100	
90	
80	FCC Part15 C - Above 1G PK
70	FLU PARTIS L - ADOVE TU PK
60	FCC Part15 C - Above 1G AV
50	X PEC PARTS C - ABOVE TO AV
40	frage de Zannor and gracia a manda de la
30	
20	
10	
0.0	

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2483.500	19.98	31.48	51.46	74.00	-22.54	peak
2 *	2483.500	8.24	31.48	39.72	54.00	-14.28	AVG

#### Remarks

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

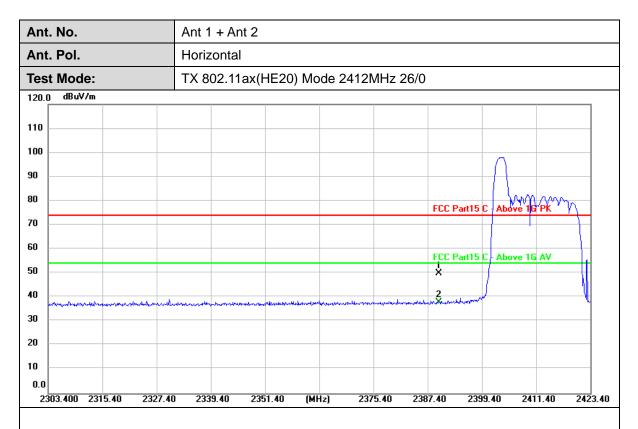


Ant	. No.			Ant '	1 + Ar	nt 2											
Ant	. Pol.			Verti	cal												
Tes	t Mode	•		TX 8	02.11	n(H	Г40)	Mode	2452	2MF	łz						
120.0	) dBuV/n	n															
110																	
100																	
90																	
		$\top$															
80													FCC Pa	art15 C -	Above 1G	PK	
70																	
60	_			-		1							FCC Pa	art15 C -	Above 16	AV	-
50																	
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30																,	
20																	
10																	
0.0																	
- 1	29.500 2	444.50	2459.50	24	74.50	248	9.50	(MH	z)	2519	.50	2534	4.50	2549.5	0 256	4.50	2579

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2483.500	23.03	31.48	54.51	74.00	-19.49	peak
2 *	2483.500	10.82	31.48	42.30	54.00	-11.70	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor





No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	18.69	31.31	50.00	74.00	-24.00	peak
2 *	2390.000	6.50	31.31	37.81	54.00	-16.19	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

Ant	. No.		Ant	1 + An	ıt 2						
Ant	. Pol.		Verti	cal							
Test	t Mode:		TX 8	302.11	ax(HE20	) Mode 2	2412MHz	26/0			
120.0	dBuV/m										
110											
100									-		
90											
80								FCC I	Part15 (C - Abo	/^/\ /\/\/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\
70								1001	ditt's G - Abo	VC TO TK	+
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0.0	04.768 2316.7	7 2328.		40.77	2352.77	(MHz)	2376.77	2388.77	2400.77	2412.77	242

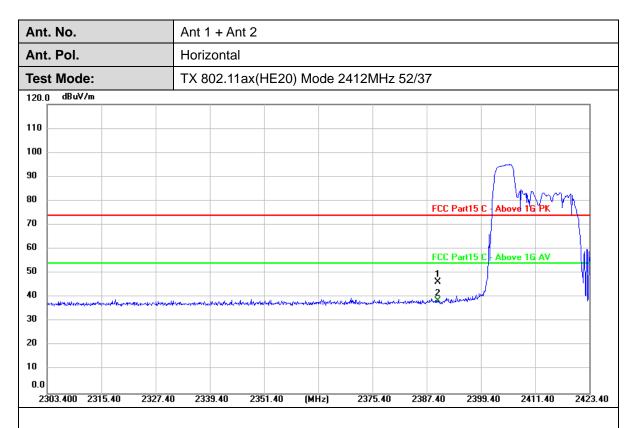
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	I	Margin (dB)	Detector
1	2390.000	18.25	31.31	49.56	74.00	-24.44	peak
2 *	2390.000	5.86	31.31	37.17	54.00	-16.83	AVG

# Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

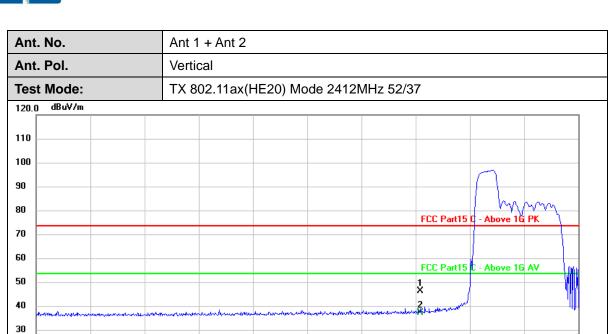






No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2390.000	14.99	31.31	46.30	74.00	-27.70	peak
2 *	2390.000	7.27	31.31	38.58	54.00	-15.42	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	I	Margin (dB)	Detector
1	2390.000	15.76	31.31	47.07	74.00	-26.93	peak
2 *	2390.000	6.77	31.31	38.08	54.00	-15.92	AVG

(MHz)

2376.77

2388.77

2400.77

2412.77

2424.77

# Remarks:

20 10 0.0

2304.768 2316.77

2328.77

2340.77

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2352.77

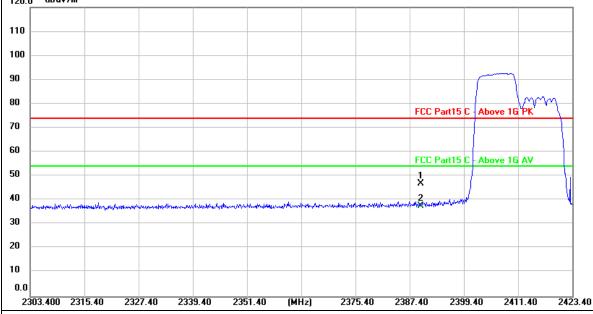


 Ant. No.
 Ant 1 + Ant 2

 Ant. Pol.
 Horizontal

 Test Mode:
 TX 802.11ax(HE20) Mode 2412MHz 106/53

 120.0
 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2390.000	15.72	31.31	47.03	74.00	-26.97	peak
2 *	2390.000	6.46	31.31	37.77	54.00	-16.23	AVG

### Remarks:

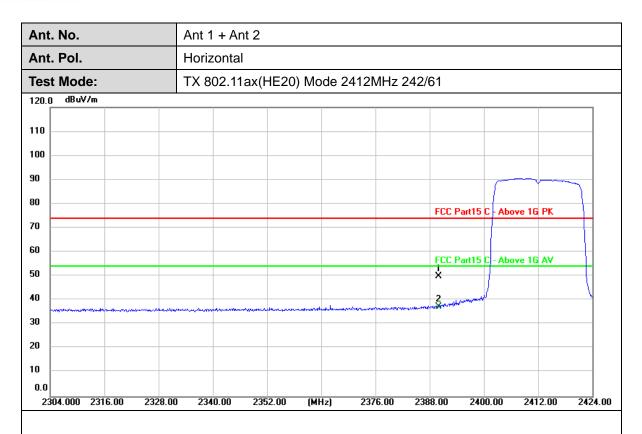
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE20) Mode 2412MHz 106/53
120.0 dBuV/m	
110	
100	
90	
80	/ \mathrew_m
70	FCC Part15 C - Above 1G PK
60	
	JFCC Part15 C - Above 1G AV
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20	
10	
0.0	

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2390.000	22.51	31.31	53.82	74.00	-20.18	peak
2 *	2390.000	6.91	31.31	38.22	54.00	-15.78	AVG

# Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2390.000	18.78	31.31	50.09	74.00	-23.91	peak
2 *	2390.000	6.00	31.31	37.31	54.00	-16.69	AVG

### Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

<b>Ant. No.</b> Ant 1 + Ant 2					
Ant. Pol.	Vertical				
Test Mode:	TX 802.11ax(HE20) Mode 2412MHz 242/61				
120.0 dBuV/m					
110					
100					
90					
80					
70	FCC Part15 C	Above 16 PK			
60					
50	FCC Part15 C	Above 16 AV			
40	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				
30	weekeed with the second of the other was a for the second of the second				
20					
10					
0.0 2303.100 2315.10 2	327.10 2339.10 2351.10 (MHz) 2375.10 2387.10 2399.1	0 2411.10 2423			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2390.000	18.95	31.31	50.26	74.00	-23.74	peak
2 *	2390.000	7.61	31.31	38.92	54.00	-15.08	AVG

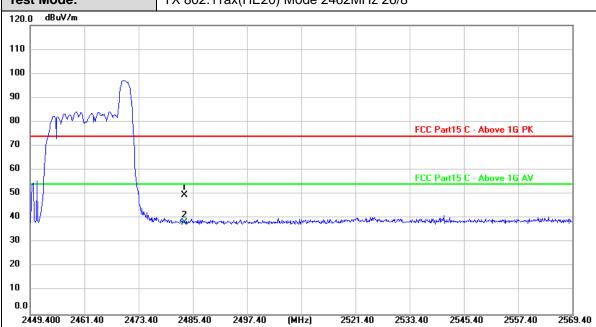
# Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor





Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 2462MHz 26/8

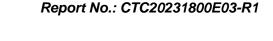


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2483.500	18.11	31.48	49.59	74.00	-24.41	peak
2 *	2483.500	6.79	31.48	38.27	54.00	-15.73	AVG

### Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor





nt. No.	Ant 1 + Ant 2
nt. Pol.	Vertical
est Mode:	TX 802.11ax(HE20) Mode 2462MHz 26/8
20.0 dBuV/m	
10	
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, mm	FCC Part15 C - Above 1G PK
	FCC Falt 13 C - ADOVE 10 FK
<b>1</b>	FCC Part15 C - Above 1G AV
)	
, J	X 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
1	
0.0	

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector
1	2483.500	13.61	31.48	45.09	74.00	-28.91	peak
2 *	2483.500	7.06	31.48	38.54	54.00	-15.46	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant	. No.		Ant 1	Ant 1 + Ant 2							
Ant	. Pol.		Horiz	zontal							
Tes	t Mode:		TX 8	02.11a	x(HE20	) Mode 2	462MHz	52/40			
120.0	) dBuV/m										
110											
100											
90											
80	MM	M						FCC	Part15 C - Ab	1C DV	
70								FLU	Partio C - AD	ove Iti PK	
60											
50	lw.		1 X					FUU	Part15 C - Ab	ove 16 AV	
40	ηr		My by through	hat on the appearance	arandroom	ender der ender	was someone of the state of the	Harris Marie Agency September 1980	valde and read-read-read-old side.	hanne halfann et ber	nghahamatu
30											
20											
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0.0											
24	149.400 246	1.40 2473	3.40 248	35.40	2497.40	(MHz)	2521.40	2533.40	2545.40	2557.40	2569

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector
1	2483.500	18.92	31.48	50.40	74.00	-23.60	peak
2 *	2483.500	7.70	31.48	39.18	54.00	-14.82	AVG

# Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

Ant. No.	Ant 1 + Ant 2							
Ant. Pol.	Vertical							
Test Mode:	TX 802.11ax(HE20) Mode 2462MHz 52/40							
120.0 dBuV/m								
110								
100								
90								
80 1144								
70		FCC Part15 C - Above 1G PK						
60	½ ×	FCC Part15 C - Above 1G AV						
50	_							
40 /	the the transmission of the contraction of the cont	andre alexagora, angente usaren alberta and despression allowers						
30								
20								
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0.0								

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2483.500	24.36	31.48	55.84	74.00	-18.16	peak
2 *	2483.500	7.58	31.48	39.06	54.00	-14.94	AVG

# Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

<b>Ant. No.</b> Ant 1 + Ant 2										
Ant	. Pol.		Horiz	ontal						
Tes	t Mode:		TX 8	02.11ax(	HE20) Mo	de 2462N	ИНz 106/	54		
120.0	) dBuV/m									
110										
00										
90	_ ا ر									
	0-000									
80	m							FCC Part15	C - Above 1G	PK
70										
60								FCC Part15	C - Above 16	AV
50			×							
40	hu l	~	4. 2 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2	واسترسوان خابه برريون ورسلوا	-	ayday digarah yan bilan in an an an	manufacture and adverse	transplantered bardens ages	4.Mpotophinochonochonoch	assign medical desired
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10										
0.0										
24	49.400 2461.4	0 2473.	40 248	5.40 24	97.40 (MF	lz) 252	1.40 253	3.40 254	5.40 255	7.40 256

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	l .	Margin (dB)	Detector
1	2483.500	18.61	31.48	50.09	74.00	-23.91	peak
2 *	2483.500	6.81	31.48	38.29	54.00	-15.71	AVG

# Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

Ant	. No.		A	Ant 1	+ An	t 2								
Ant	. Pol.	I. Vertical												
Tes	t Mode:			TX 802.11ax(HE20) Mode 2462MHz 106/54										
120.0	) dBuV/m													
110														
100														
90														
	,~~^													
80	/011 1									F	CC Part15	C - Abo	ove 1G PK	
70														
60	1									F	CC Part15	i C - Abo	ove 1G AV	
50		1		×										
40	<b>/</b>		Mark Mark	2		h	1111 41		Marilan a	استهادي		ļ <u>.</u>	and the second second	h 4
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0.0														
	50.000 246	2.00 24	74.00	2486	.00	2498.00	(MHz	) 2!	522.00	2534.0	00 25	46.00	2558.00	2570

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2483.500	17.83	31.48	49.31	74.00	-24.69	peak
2 *	2483.500	6.71	31.48	38.19	54.00	-15.81	AVG

# Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

Ant	. No.			Ant 1	+ An	t 2							
Ant	. Pol.			Horiz	ontal								
Tes	t Mode:			TX 802.11ax(HE20) Mode 2462MHz 242/61									
120.0	) dBuV/m												
110													
100													
90													
80		may											
									FC	C Part15 C	- Above 1	G PK	
70													
60									FO	C Part15 C	- Above 1	G AV	
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- 1	50.000 246	2.00 2	474.00	248	6.00	2498.00	(MHz)	2522.00	) 2534.0	0 2546	. NN 2F	558.00	257

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2483.500	19.23	31.48	50.71	74.00	-23.29	peak
2 *	2483.500	7.34	31.48	38.82	54.00	-15.18	AVG

# Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

Ant. No.	Ant 1 + Ant 2						
Ant. Pol.	Vertical						
Test Mode:	TX 802.11ax(HE20) Mode 2462MHz 242/61						
120.0 dBuV/m							
110							
100							
90							
80							
70		FCC Part15 C - Above 1G PK					
60							
50	· ×	FCC Part15 C - Above 1G AV					
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0.0							

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2483.500	19.00	31.48	50.48	74.00	-23.52	peak
2 *	2483.500	8.49	31.48	39.97	54.00	-14.03	AVG

# Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

Ant	. No.	Ant 1 + Ant 2						
Ant	. Pol.	Horizontal						
Tes	t Mode:	TX 802.11ax(HE40) Mode 2422MHz 26/0						
120.0	dBuV/m							
110								
100								
90								
80		FCC Part 15 G - Above 1G PK						
70								
60		FCC Part15 C - Above 1G AV						
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0.0								

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2390.000	18.06	31.31	49.37	74.00	-24.63	peak
2 *	2390.000	6.98	31.31	38.29	54.00	-15.71	AVG

# Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

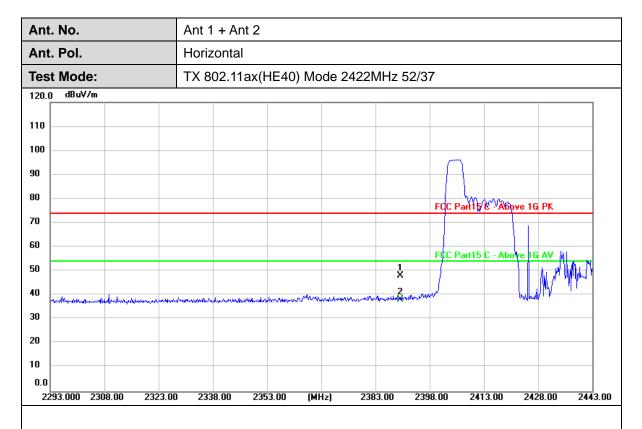


Ant. No.	Ant 1 + Ant 2							
Ant. Pol.	Vertical							
Test Mode:	TX 802.11ax(HE40) Mode 2422MHz 26/0							
120.0 dBuV/m								
110								
100								
90								
80	- mynny							
70	FCC Part15 C - Above 1G PK							
60	FCC Part15 C - Above 1G AVIIII							
50	× × × × × × × × × × × × × × × × × × ×							
40	would want to the second of th							
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0.0								

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2390.000	20.09	31.31	51.40	74.00	-22.60	peak
2 *	2390.000	8.92	31.31	40.23	54.00	-13.77	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor





No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2390.000	16.85	31.31	48.16	74.00	-25.84	peak
2 *	2390.000	6.97	31.31	38.28	54.00	-15.72	AVG

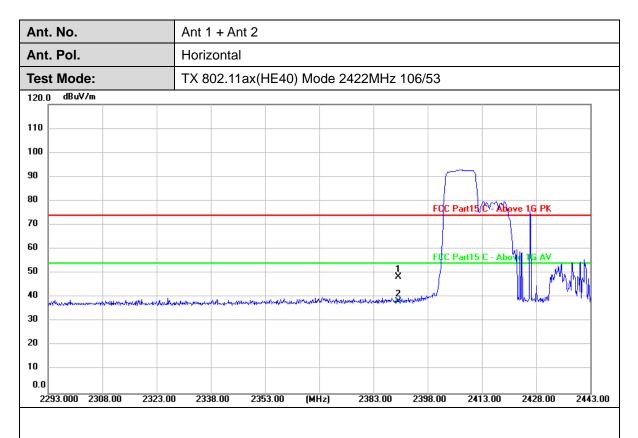
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 2422MHz 52/37
120.0 dBuV/m	
110	
00	
90	
80	FCC Part15 C - Above 1G PK
70	
60	FCC Part15 C - Above 16 AV
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	l	Margin (dB)	Detector
1	2390.000	17.05	31.31	48.36	74.00	-25.64	peak
2 *	2390.000	7.25	31.31	38.56	54.00	-15.44	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2390.000	17.04	31.31	48.35	74.00	-25.65	peak
2 *	2390.000	6.89	31.31	38.20	54.00	-15.80	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 2422MHz 106/53
120.0 dBuV/m	
110	
100	
90	
80	FCC Part 5 C - Above 1G PK
70	TEE PARTS C - MOVE TO FK
60	FCC Part15 C - Above 1G AV
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0.0 2294.800 2309.80	2324.80 2339.80 2354.80 [MHz] 2384.80 2399.80 2414.80 2429.80 2444.

	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
	1	2390.000	16.74	31.31	48.05	74.00	-25.95	peak
ľ	2 *	2390.000	7.18	31.31	38.49	54.00	-15.51	AVG

## Remarks:

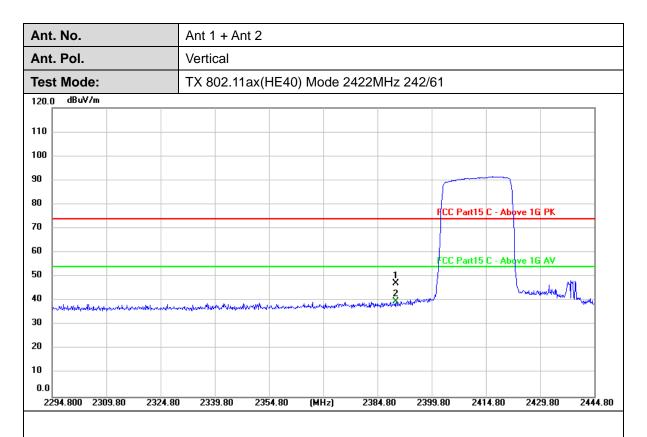
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. I	No.		Ant 1 + Ant 2							
Ant. I	Pol.		Horizon	ıtal						
Test I	Mode:		TX 802.	.11ax(HE4	0) Mode 2	422MHz 2	42/61			
120.0	dBuV/m									
110										
100 _										
90										
80									40.0%	
70							FUC Par	t15 C - Abov	e 16i PK	
60 _										
50						1 ×	FCC Par	t15 C - Abov	e 1G AV	.
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0.0										

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2390.000	17.43	31.31	48.74	74.00	-25.26	peak
2 *	2390.000	6.48	31.31	37.79	54.00	-16.21	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



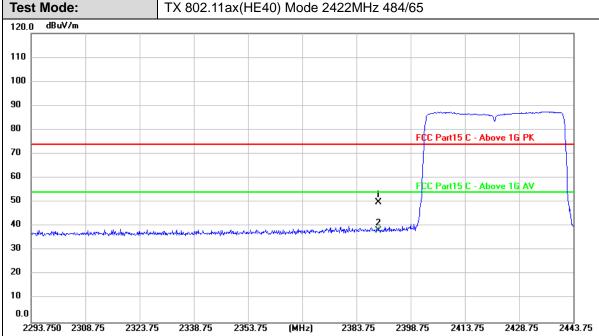
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	l e	Margin (dB)	Detector
1	2390.000	15.83	31.31	47.14	74.00	-26.86	peak
2 *	2390.000	8.44	31.31	39.75	54.00	-14.25	AVG

### Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. No. Ant 1 + Ant 2 Ant. Pol. Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	I	Margin (dB)	Detector
1	2390.000	18.66	31.31	49.97	74.00	-24.03	peak
2 *	2390.000	6.88	31.31	38.19	54.00	-15.81	AVG

#### Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

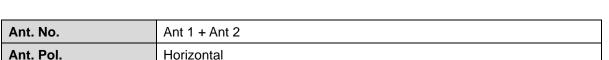
<b>Ant. No.</b> Ant 1 + Ant 2					
Ant. Pol.	Vertical				
Test Mode:	TX 802.11ax(HE40) Mode 2422MHz 484/65				
120.0 dBuV/m					
110					
100					
90					
30					
70	FCC Part15 C - Above 16 PK				
50	FCC Part15 C - Above 1G AV				
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0.0 2293.750 2308.75 23					

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2390.000	16.72	31.31	48.03	74.00	-25.97	peak
2 *	2390.000	7.19	31.31	38.50	54.00	-15.50	AVG

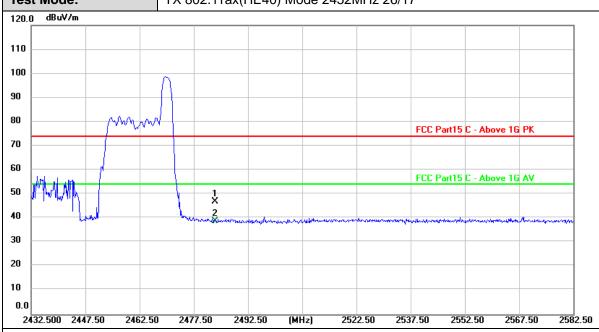
## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor









No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2483.500	15.62	31.48	47.10	74.00	-26.90	peak
2 *	2483.500	7.32	31.48	38.80	54.00	-15.20	AVG

#### Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

Ant	. No.		Ant	Ant 1 + Ant 2								
Ant	. Pol.		Vert	tical								
Tes	t Mode:		TX	802.11ax	(HE40)	Mode 24	52MHz 20	6/17				
120.0	) dBuV/m											
110												
100												
90			$\perp \! \! \perp \! \! \perp$									
80		who	M									
70		+						FCC Part	15 C - Abo	ve 1G PK		
60	,			1 X				FCC Part	15 C - Abo	ve 16 AV		
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	20.71	31.48	52.19	74.00	-21.81	peak
2 *	2483.500	8.17	31.48	39.65	54.00	-14.35	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor





Ant	. No.	P	Ant 1 + Ant 2								
Ant	. Pol.	H	Horizor	ntal							
Tes	t Mode:	Т	X 802	.11ax(l	HE40) M	ode 245	2MHz 5	2/44			
120.0	) dBuV/m										
110											
100											
90											
80	0.4	٨									
70	14/4/	<b>\</b> _\/\						FCC Part1	5 C - Above 1	G PK	
60											
F0	4 10 1		<del>\                                    </del>	i X				FCC Part1	5 C - Above 1	G AV	
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0.0	32.500 2447.50 2	2462.50	2477.5	0.44	92.50 (N	(Hz)	2522.50	2537.50 2	552.50 25	67.50 258	

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2483.500	18.35	31.48	49.83	74.00	-24.17	peak
2 *	2483.500	6.54	31.48	38.02	54.00	-15.98	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant.	No.		Ant	1 + Ant 2							
Ant.	Pol.		Vert	ical							
Test	Mode:		TX 8	302.11ax	(HE40) I	Mode 24	52MHz 5	2/44			
120.0	dBuV/m										
110											
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		<del>/ '</del>						FCC Part	5 C - Abov	e 1G PK	
70  -											
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2483.500	18.30	31.48	49.78	74.00	-24.22	peak
2 *	2483.500	8.09	31.48	39.57	54.00	-14.43	AVG

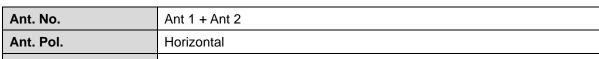
## Remarks:

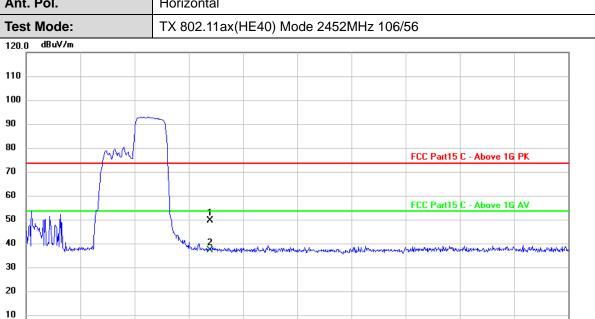
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2582.50

2567.50







No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	I	Margin (dB)	Detector
1	2483.500	18.90	31.48	50.38	74.00	-23.62	peak
2 *	2483.500	6.33	31.48	37.81	54.00	-16.19	AVG

(MHz)

2522.50

2537.50

2552.50

#### Remarks:

0.0

2432.500 2447.50

2462.50

2477.50

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2492.50

Ant.	. No.		Ant 1	I + Ant 2	2							
Ant.	. Pol.		Verti	cal								
Test	t Mode:		TX 8	TX 802.11ax(HE40) Mode 2452MHz 106/56								
120.0	dBuV/m											
110												
100												
90												
80		wyn						FCC D	t15 C - Abo	10 04		
70								FLL Par	(15 C - ADO	ve Iu PK		
60		<b>}</b>						FCC Par	t15 C - Abo	ve 16 AV		
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0.0												

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2483.500	17.41	31.48	48.89	74.00	-25.11	peak
2 *	2483.500	7.66	31.48	39.14	54.00	-14.86	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. N	No.		Ant 1	Ant 1 + Ant 2								
Ant. P	Pol.		Horiz	ontal								
Test N	Mode:		TX 80	TX 802.11ax(HE40) Mode 2452MHz 242/62								
120.0	dBuV/m											
110												
100												
90												
80												
70									FCC Part1!	C - Abo	ove 1G PK	
60												
50	<u> </u>			1					FCC Part1!	C - Abo	ove 1G AV	
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0.0												
2432.	.500 2447.50	2462.50	3 247	7.50	2492.50	(MHz)	2522.50	2537	'.50 25	52.50	2567.50	2582

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector
1	2483.500	16.43	31.48	47.91	74.00	-26.09	peak
2 *	2483.500	6.16	31.48	37.64	54.00	-16.36	AVG

#### Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

<b>Ant. No.</b> Ant 1 + Ant 2							
Ant. Pol.	Vertical						
Test Mode:	ode: TX 802.11ax(HE40) Mode 2452MHz 242/62						
120.0 dBuV/m							
110							
100							
90							
80		500 0 145 0 14 14 0 04					
70		FCC Part15 C - Above 1G PK					
60		500 0 145 0 14 14 14					
50	\ X	FCC Part15 C - Above 1G AV					
40	2	magine star star throughous state for the second health and the start start and the second and the second s					
30							
20							
10							
0.0							

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2483.500	19.61	31.48	51.09	74.00	-22.91	peak
2 *	2483.500	9.72	31.48	41.20	54.00	-12.80	AVG

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



TX 802.11a	x(HE40) Mc	ode 2452N	ЛНz 484/6	65		
TX 802.11a	ix(HE40) Mc	ode 2452N	ЛНz 484/6	65		
_						
_						
				FCC Part15	C - Above 1G	PK
				FCC Part15	C - Above 1G	AV
1						
Hanta of the state of	the both white the word by more one	and water and the same	word Hyranican		and annual many	National Address of the Address of t
	2474.50	his and the state of the the months make me	haras of the state	harmony of market of the state	FCC Part 15  ** ********************************	harmon of the state of the stat

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2483.500	17.58	31.48	49.06	74.00	-24.94	peak
2 *	2483.500	7.79	31.48	39.27	54.00	-14.73	AVG

#### Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor





Ant. No.	Ant 1 + Ant 2							
Ant. Pol.	Vertical							
Test Mode:	TX 802.11ax(HE40) Mode 2452MHz 484/65							
120.0 dBuV/m		_						
110								
100		_						
90								
80	FCC Part15 C - Above 1G PK							
70	rcc rattis c - Above id rk	=						
60	1 FCC Part15 C - Above 1G AV	_						
50	X							
40	more the second of the second	ليسي						
30								
20		_						
10		_						
0.0 2428.750 2443.75 2458.7	75 2473.75 2488.75 (MHz) 2518.75 2533.75 2548.75 2563.75	257						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2483.500	21.36	31.48	52.84	74.00	-21.16	peak
2 *	2483.500	10.72	31.48	42.20	54.00	-11.80	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

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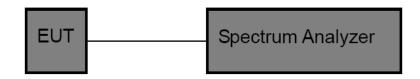
# 3.4. Band Edge and Spurious Emissions (Conducted)

#### **Limit**

### 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 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.

### **Test Configuration**



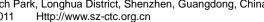
#### **Test Procedure**

- The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
- Set to the maximum power setting and enable the EUT transmit continuously. 2.
- Use the following spectrum analyzer settings: RBW = 100 kHz, VBW ≥ RBW, scan up through 10<sup>th</sup> harmonic. Sweep = auto, Detector function = peak, Trace = max hold.
- Measure and record the results in the test report.

#### **Test Mode**

Please refer to the clause 2.4.

2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China Fax: (86)755-27521011



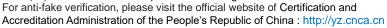
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China: http://yz.cnca.cn



### **Test Result**

### (1) Band Edge Conducted Test & Conducted Spurious Emissions Test

Mode	Channel	RU & Index	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Result	
				2400.00	-43.095	-30.91	PASS	
			0	2398.01	-35.799	-30.91	PASS	
			O	23492.4	-43.140	-30.91	PASS	
	1			2400.00	-48.640	-30.87	PASS	
IEEE 802.11b			1	2396.97	-34.958	-30.87	PASS	
				23848.2	-43.261	-30.87	PASS	
	_		0	24978.2	-42.516	-30.74	PASS	
	6		1	24899.5	-42.234	-30.93	PASS	
				2483.50	-47.921	-30.47	PASS	
	44		0	1766.08	-41.608	-30.47	PASS	
	11		4	2483.50	-49.788	-30.63	PASS	
			1	24811.5	-43.044	-30.63	PASS	
				2400.00	-41.358	-32.6	PASS	
			0	2397.62	-37.866	-32.6	PASS	
	1			24996.9	-43.036	-32.6	PASS	
	I I			2400.00	-33.927	-32.53	PASS	
			1	2398.27	-33.313	-32.53	PASS	
IEEE 802.11g		_		24964.4	-43.330	-32.53	PASS	
1EEE 602.119	6		0	23551.7	-43.564	-32.64	PASS	
	0		1	23631.0	-42.977	-32.63	PASS	
	11		1	2483.50	-42.638	-32.24	PASS	
				23684.7	-43.278	-32.24	PASS	
				2483.50	-44.384	-32.45	PASS	
		N/A		24754.7	-43.698	-32.45	PASS	
		14//		2400.00	-48.780	-38.73	PASS	
	1		0	2398.92	-47.797	-38.73	PASS	
				21847.5	-43.430	-38.73	PASS	
				2400.00	-49.130	-38.83	PASS	
			1	2386.05	-48.591	-38.83	PASS	
IEEE		1		21246.3	-43.271	-38.83	PASS	
802.11n_20	6				0	23633.5	-43.314	-38.06
			1	24918.8	-42.935	-39.65	PASS	
	11		0	2483.50	-46.688	-38.2	PASS	
				23767.1	-43.628	-38.2	PASS	
			1	2483.50	-50.029	-38.59	PASS	
			-	24773.4	-43.276	-38.59	PASS	
			0	2400.00	-51.529	-41.1	PASS PASS	
				2394.50 24780.3	-48.559 -42.913	-41.1 -41.1	PASS	
	3			24760.3	-50.352	-41.64	PASS	
			1	2394.50	-45.688	-41.64	PASS	
IEEE			'	23410.0	-42.432	-41.64	PASS	
802.11n_40			0	23476.2	-43.052	-41.36	PASS	
002.111 <u>-</u> 40	6		1	24860.8	-42.645	-41.19	PASS	
		†		2483.50	-49.136	-42.23	PASS	
			0	824.69	-44.227	-42.23	PASS	
	9			2483.50	-52.366	-42.59	PASS	
			1	23742.1	-47.086	-42.59	PASS	
				2400.00	-46.857	-39.72	PASS	
			0	2396.97	-46.197	-39.72	PASS	
		0.4051.104	-	24925.7	-42.170	-39.72	PASS	
		242RU61		2400.00	-48.243	-39.65	PASS	
IEEE	_		1	2398.27	-47.683	-39.65	PASS	
802.11ax_20	1			21909.3	-42.774	-39.65	PASS	
_			2	2400.00	-46.495	-22.49	PASS	
		000110	0	24819.6	-43.023	-22.49	PASS	
		26RU0	4	2400.00	-47.868	-23.31	PASS	
			1	23506.8	-42.735	-23.31	PASS	





			0	2400.00	-46.498	-26.66	PASS
		52RU37	0	24913.9	-42.071	-26.66	PASS
		3211037	1	2400.00	-48.278	-26.93	PASS
			· · · · · · · · · · · · · · · · · · ·	24305.8	-43.172	-26.93	PASS
			0	2400.00	-48.467	-30.45	PASS
		106RU53	U	24310.2	-42.994	-30.45	PASS
		10010033	1	2400.00	-49.376	-30.36	PASS
			Į	24995.0	-43.340	-30.36	PASS
	6	242RU61	0	24808.4	-43.058	-39.63	PASS
	O	242KU01	1	23770.8	-42.491	-39.63	PASS
			0	2483.50	-45.512	-38.89	PASS
		0.4001.104	0	22842.5	-42.703	-38.89	PASS
		242RU61	4	2483.50	-49.672	-39.88	PASS
			1	24807.1	-43.462	-39.88	PASS
			0	2483.50	-51.791	-23.59	PASS
		000110	0	23528.0	-43.685	-23.59	PASS
		26RU8	4	2483.50	-44.807	-23.42	PASS
			1	23547.3	-42.781	-23.42	PASS
	11			2483.50	-52.565	-26.32	PASS
		FORLUS	0	24815.8	-42.151	-26.32	PASS
		52RU40	4	2483.50	-50.948	-26.9	PASS
			1	23521.1	-43.242	-26.9	PASS
				2483.50	-51.441	-29.28	PASS
		40001:-:	0	23283.9	-43.022	-29.28	PASS
		106RU54	4	2483.50	-51.779	-29.82	PASS
			1	24710.3	-43.191	-29.82	PASS
				2400.00	-50.533	-42.41	PASS
		484RU65 —	0	2396.97	-47.894	-42.41	PASS
				23421.9	-43.384	-42.41	PASS
			1	2400.00	-50.758	-42.98	PASS
				2385.66	-48.091	-42.98	PASS
				24758.4	-46.766	-42.98	PASS
	3	26RU0 -	0	2400.00	-43.249	-23.32	PASS
			0	24845.8	-43.491	-23.32	PASS
			1	2400.00	-43.015	-23.26	PASS
				23669.1	-43.107	-23.26	PASS
			0	2400.00	-45.586	-25.69	PASS
				24868.3	-42.974	-25.69	PASS
		52RU37		2400.00	-47.389	-25.86	PASS
			1	2398.66	-46.672	-25.86	PASS
				23679.7	-42.472	-25.86	PASS
		106RU53	_	2400.00	-47.216	-29.13	PASS
			0	2398.92	-47.182	-29.13	PASS
				24858.3	-42.528	-29.13	PASS
			1 -	2400.00	-47.331	-29.17	PASS
IEEE				23742.1	-43.145	-29.17	PASS
802.11ax_40			0	2400.00	-48.352	-33.14	PASS
				2398.79	-46.721	-33.14	PASS
		242RU61		22720.2	-42.401	-33.14	PASS
		2 .2		2400.00	-48.753	-33.24	PASS
			1	2398.14	-46.745	-33.24	PASS
				23501.8	-42.834	-33.24	PASS
	6	484RU65	0	22769.5	-46.902	-42.13	PASS
		.5	1	23599.1	-46.647	-42.91	PASS
			0	2483.50	-47.521	-43.21	PASS
		996RU67		24827.7	-47.337	-43.21	PASS
			1	2483.50	-48.470	-42.55	PASS
				24842.1	-47.479	-42.55	PASS
			0	2483.50	-52.076	-22.51	PASS
	9	26RU17	-	23754.6	-42.536	-22.51	PASS
			1	2483.50	-36.607	-20.72	PASS
				23157.8	-42.629	-20.72	PASS
		52RU44 -	0	2483.50	-52.156	-25.17	PASS
			U				
		52RU44		23335.1	-43.648	-25.17	PASS
		52RU44	1	23335.1 2483.50 23760.2	-43.648 -50.693 -43.245	-25.17 -25.03 -25.03	PASS PASS PASS

CTC Laboratories, Inc.



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		0	2483.50	-51.676	-28.83	PASS
	106RU56		23688.4	-42.557	-28.83	PASS
	1008030	1	2483.50	-52.285	-29.65	PASS
			24815.8	-43.497	-29.65	PASS
		0	2483.50	-49.326	-32.66	PASS
	24201162		24335.2	-42.710	-32.66	PASS
	242RU62	1	2483.50	-38.087	-32.82	PASS
		ı	2/038 8	-42 651	-32 83	PΔSS

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#### Test plot as follows:

