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TEST REPORT

Product Smart Light

Trade mark N/A

Model/Type reference EW202W

Serial Number N/A

Report Number EED32P80441303

FCC ID : 2ADIOEW202W

Date of Issue Apr. 20, 2023

Test Standards : 47 CFR Part 15 Subpart C

Test result : PASS

Prepared for:

Shenzhen Medica Technology Development Co., Ltd. Floor 12, Block A, Building 7, Vanke Yun city, XingKe one street, NanShan District, Shenzhen City.

Prepared by:

Centre Testing International Group Co., Ltd. Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China

> TEL: +86-755-3368 3668 FAX: +86-755-3368 3385

Compiled by:

Report Seal

mark Mark Chen

avon Ma

Reviewed by:

Date:

Tom Chen

Apr. 20, 2023

Aaron Ma

Check No.: 8438211222













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3 Version

Version No.	Persion No. Date Description			
00 Apr. 20, 2023		Original		
		10		
-((50)	(0/2)	(57)	(0,7)











































































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4 Test Summary

Test Item	Test Requirement	Result	
Antenna Requirement	47 CFR Part 15 Subpart C Section 15.203/15.247 (c)	PASS	
AC Power Line Conducted Emission	47 CFR Part 15 Subpart C Section 15.207	PASS	
DTS Bandwidth	47 CFR Part 15 Subpart C Section 15.247 (a)(2)	PASS	
Maximum Conducted Output Power	47 CFR Part 15 Subpart C Section 15.247 (b)(3)	PASS	
Maximum Power Spectral Density	47 CFR Part 15 Subpart C Section 15.247 (e)	PASS	
Band edge measurements	47 CFR Part 15 Subpart C Section 15.247(d)	PASS	
Conducted Spurious Emissions	47 CFR Part 15 Subpart C Section 15.247(d)	PASS	
Radiated Spurious Emission & Restricted bands	47 CFR Part 15 Subpart C Section 15.205/15.209	PASS	

Remark:

Company Name and Address shown on Report, the sample(s) and sample Information were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.







5 General Information

5.1 Client Information

Applicant:	Shenzhen Medica Technology Development Co., Ltd			
Address of Applicant:	Floor 12, Block A, Building 7, Vanke Yun city, XingKe one street, NanSh District, Shenzhen City.			
Manufacturer:	Shenzhen Medica Technology Development Co., Ltd			
Address of Manufacturer:	Floor 12, Block A, Building 7, Vanke Yun city, XingKe one street, NanShan District, Shenzhen City.			
Factory:	Shenzhen Medica Technology Development Co., Ltd			
Address of Factory:	Floor 12, Block A, Building 7, Vanke Yun city, XingKe one street, NanShan District, Shenzhen City.			

5.2 General Description of EUT

Product Name:	Smart Ligh	t					
Model No.:	EW202W	20142-2					
Trade mark:	N/A						
Product Type:	☐ Mobile	☐ Portable ⊠	Fix Location	0			
Operation Frequency:		1b/g/n(HT20): 2412N 1n(HT40): 2422MHz					
Modulation Type:	IEEE for 80	IEEE for 802.11b:DSSS(CCK, DQPSK, DBPSK) IEEE for 802.11g:OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE for 802.11n(HT20 and HT40): OFDM (64QAM, 16QAM,QPSK,BPSK)					
Number of Channel:		IEEE 802.11b/g, IEEE 802.11n HT20: 11 Channels IEEE 802.11n HT40: 7 Channels					
Channel Separation:	5MHz						
Antenna Type:	FPC Anten	na					
Antenna Gain:	4.6dBi	(6,2,3)	(6,7,)	(6,7)			
Power Supply:	Adapter	Model: KA12H-12 Input: 100-240V, ! Output: 12V10	50/60Hz, 0.4A Max				
Test Voltage:	AC 120V	G.	(1)	(49)			
Sample Received Date:	Mar. 31, 20)23		0			
Sample tested Date:	Mar. 31, 2023 to Apr. 17, 2023						





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100		1000		1000		/ - /	
Operation	Frequency ea	ch of channe	el (802.11b/g/n	HT20)	4)	(2))
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz		(6)
Operation	Frequency ea	ch of channe	el (802.11n HT	40)			
Channe	Frequ	ency	Channel	Frequenc	cy Char	nnel f	requency
3	2422	MHz	6	2437MH	z 9	130	2452MHz
4	2427	MHz	7	2442MH	z		
5	2432	MHz	8	2447MH	z		

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

802.11b/g/n (HT20)

Channel	Frequency
The lowest channel	2412MHz
The middle channel	2437MHz
The highest channel	2462MHz

802.11n (HT40)

Channel	Frequency
The lowest channel	2422MHz
The middle channel	2437MHz
The highest channel	2452MHz





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5.3 Test Configuration

EUT Test Software Setti	ngs:		
Software:	EspRFtestTool	-0-	-0-
EUT Power Grade:	Default	(41)	(20)
Use test software to set the	ne lowest frequency, the middle frequency	ency and the highest frequen	cv keep

Use test software to set the lowest frequency, the middle frequency and the highest frequency keep transmitting of the EUT.

Test Mode:

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.

Mode Data rate		
802.11b	1Mbps	
802.11g	6Mbps	
802.11n(HT20)	6.5Mbps	
802.11n(HT40)	13.5Mbps	

According to ANSI C63.10 standards, the test results are both the "worst case" and "worst setup" 1Mbps for 802.11b, 6Mbps for 802.11g, 6.5Mbps for 802.11n(HT20) and 6.5Mbps for 802.11n(HT40).





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5.4 Test Environment

	Operating Environment	::					
	Radiated Spurious Emi	ssions:					
10	Temperature:	22~25.0 °C	(4)		(41)		(4)
	Humidity:	50~55 % RH	0		(0)		(0)
	Atmospheric Pressure:	1010mbar					
	Conducted Emissions:						
	Temperature:	22~25.0 °C		(2)		(30)	
	Humidity:	50~55 % RH		(0,)		(0,)	
	Atmospheric Pressure:	1010mbar					
	RF Conducted:						
	Temperature:	22~25.0 °C	(°)		(3)		
(i	Humidity:	50~55 % RH	(5,2)		(6,7)		(6,7)
	Atmospheric Pressure:	1010mbar					

5.5 Description of Support Units

The EUT has been tested with associated equipment below.

1) support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
Netbook	DELL	Latitude 3490	FCC&CE	СТІ

5.6 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385

No tests were sub-contracted. FCC Designation No.: CN1164

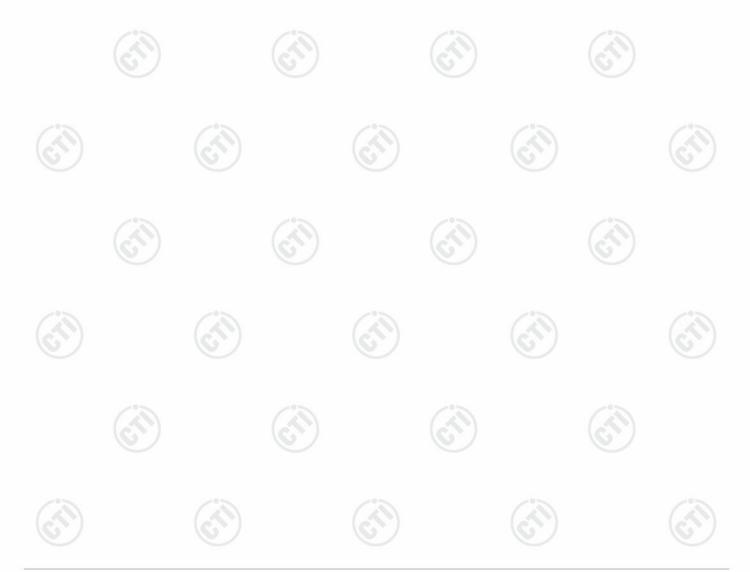






5.7 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty	
1	Radio Frequency	7.9 x 10 ⁻⁸	
2	DE nower conducted	0.46dB (30MHz-1GHz)	
2	RF power, conducted	0.55dB (1GHz-40GHz)	
2		3.3dB (9kHz-30MHz)	
	Dadiated Spurious emission test	4.3dB (30MHz-1GHz)	
3	Radiated Spurious emission test	4.5dB (1GHz-18GHz)	
(P)		3.4dB (18GHz-40GHz)	
	Conduction emission	3.5dB (9kHz to 150kHz)	
4	Conduction emission	3.1dB (150kHz to 30MHz)	
5	Temperature test	0.64°C	
6	Humidity test	3.8%	
7	DC power voltages	0.026%	





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6 Equipment List

RF test system						
Equipment	Manufacturer Model No.		Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date	
Communication tset set	R&S	CMW500	107929	07-06-2022	07-05-2023	
Signal Generator	R&S	SMBV100A	1407.6004K02- 262149-CV	09-09-2022	09-08-2023	
Spectrum Analyzer	R&S	FSV40	101200	08-01-2022	07-31-2023	
RF control unit(power unit)	MWRF-test	MW100-RFCB	MW220620CTI-42	07-06-2022	07-05-2023	
high-low temperature test chamber	Dong Guang Qin Zhuo	LK-80GA	QZ20150611879	12-19-2022	12-18-2023	
Temperature/ Humidity Indicator	biaozhi	НМ10	1804186	06-16-2022	06-15-2023	
BT&WI-FI Automatic test software	MWRF-test	MTS 8310	2.0.0.0	(chi)	- (3	

Conducted disturbance Test						
Equipment	Manufacturer	Model No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)	
Receiver	R&S	ESCI	100435	05-04-2022	05-05-2023	
Temperature/ Humidity Indicator	Defu	TH128	/	(35)	- (3)	
LISN	R&S	ENV216	100098	09-27-2022	09-26-2023	
Barometer	changchun	DYM3	1188			







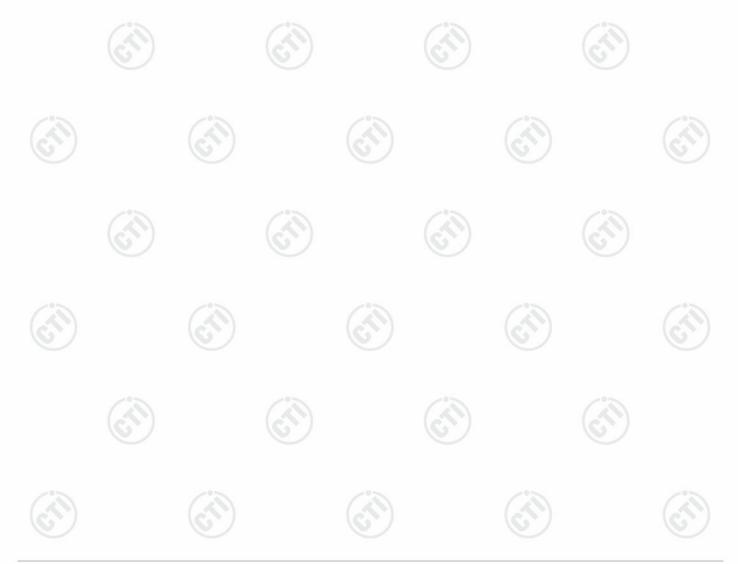






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	3M Semi-and	echoic Chamber (2)	- Radiated dist	urbance Test		
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Due Date	
3M Chamber & Accessory Equipment	TDK	SAC-3		05/22/2022	05/21/2025	
Receiver	R&S	ESCI7	100938-003	09/28/2022	09/27/2023	
TRILOG Broadband Antenna	schwarzbeck	VULB 9163	9163-618	05/22/2022	05/21/2023	
Multi device Controller	maturo	NCD/070/10711112		(a:	
Horn Antenna	ETS-LINGREN	BBHA 9120D	9120D-1869	04/15/2021	04/14/2024	
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-076	04/17/2021	04/16/2024	
Microwave Preamplifier	Agilent	8449B	3008A02425	06/20/2022	06/19/2023	
	(C. Y.)	(/ T.	·	100.00	Lare Control	





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				/	6.5	
		3M full-anechoi	c Chamber			
Equipment	Manufacturer Model No.		Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)	
RSE Automatic test software	JS Tonscend	JS36-RSE	10166	(i)	(3	
Receiver	Keysight	N9038A	MY57290136	02-27-2023	02-26-2024	
Spectrum Analyzer	Keysight	N9020B	MY57111112	02-21-2023	02-20-2024	
Spectrum Analyzer	Keysight	N9030B	MY57140871	02-21-2023	02-20-2024	
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-28-2021	04-27-2024	
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-15-2021	04-14-2024	
Horn Antenna	ETS-LINDGREN	3117	57407	07-04-2021	07-03-2024	
Preamplifier	EMCI	EMC184055SE	980597	04-20-2022 04-13-2023	04-19-2023 04-12-2024	
Preamplifier	EMCI	EMC001330	980563	03-28-2023	03-27-2024	
Preamplifier	JS Tonscend	TAP-011858	AP21B806112	07-29-2022	07-28-2023	
Communication test set	R&S	CMW500	102898	12-23-2022	12-22-2023	
Temperature/ biaozhi Humidity Indicator		GM1360	EJ1611459	02-15-2023	02-14-2024	
Fully Anechoic Chamber	TDK	FAC-3		01-09-2021	01-08-2024	
Cable line	Times	SFT205-NMSM-2.50M	394812-0001			
Cable line	Times	SFT205-NMSM-2.50M	394812-0002			
Cable line	Times	SFT205-NMSM-2.50M	394812-0003		(6	
Cable line	Times	SFT205-NMSM-2.50M	393495-0001			
Cable line	Times	EMC104-NMNM-1000	SN160710	/		
Cable line	Times	SFT205-NMSM-3.00M	394813-0001	(5)	
Cable line	Times	SFT205-NMNM-1.50M	381964-0001			
Cable line	Times	SFT205-NMSM-7.00M	394815-0001		/3	
Cable line	Times	HF160-KMKM-3.00M	393493-0001		(6)	

Hotline:400-6788-333 www.cti-cert.com E-mail:info@cti-cert.com Complaint call:0755-33681700 Complaint E-mail:complaint@cti-cert.com



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7 Test results and Measurement Data

7.1 Antenna Requirement

Standard requirement: 47 CFR Part 15C Section 15.203 /247(c)

15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a 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.

15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna: Please see Internal photos

The antenna is FPC antenna. The best case gain of the antenna is 4.6dBi.





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7.2 AC Power Line Conducted Emissions

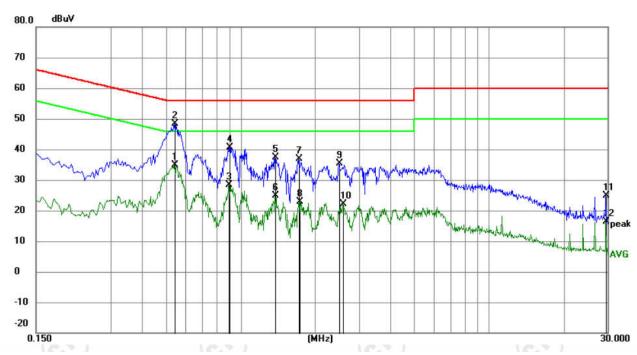
Test Requirement:	47 CFR Part 15C Section 15.3	207					
Test Method:	ANSI C63.10: 2013						
Test Frequency Range:	150kHz to 30MHz						
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto						
Limit:	_ Limit (dBuV)						
	Frequency range (MHz)	Quasi-peak	Average				
	0.15-0.5	66 to 56*	56 to 46*				
	0.5-5	56	46				
	5-30	60	50				
	* Decreases with the logarithr	CAN DECEMBER	(6,0)				
	Shielding Room EUT AC Manan Ground	Test Receive					
Test Procedure:	 The mains terminal disturbation. The EUT was connected Impedance Stabilization Nation impedance. The power connected to a second LIS plane in the same way a multiple socket outlet strip single LISN provided the resultance of the socket outlet strip single LISN provided the resultance of the horizontal ground reference plane. A placed on the horizontal ground reference with the EUT shall be 0.4 movertical ground reference reference plane. The LISN unit under test and bor mounted on top of the ground associated equipments. In order to find the maximuland all of the interface call ANSI C63.10: 2013 on corrected. 	to AC power source letwork) which provide cables of all other SN 2, which was bonders the LISN 1 for the was used to connect ating of the LISN was aced upon a non-metand for floor-standing around reference plane th a vertical ground reference plane was bonded N 1 was placed 0.8 m and to a ground refund reference plane. It was at least 0.8 m froum emission, the relations to the changed	e through a LISN 1 (Line es a 50Ω/50μH + 5Ω linear units of the EUT were ed to the ground reference e unit being measured. A multiple power cables to a not exceeded. allic table 0.8m above the arrangement, the EUT was ference plane. The rear of und reference plane. The to the horizontal ground a from the boundary of the eference plane for LISNs This distance was between All other units of the EUT om the LISN 2. eive positions of equipment according to				
Test Mode:	All modes were tested, only the 802.11b was recorded in the in	ne worse case lowest					
Test Results:	Pass						





Measurement Data

Live line:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.5414	24.91	10.00	34.91	46.00	-11.09	AVG	
2	*	0.5415	38.37	10.00	48.37	56.00	-7.63	QP	
3		0.8969	18.50	9.85	28.35	46.00	-17.65	AVG	
4		0.9014	30.81	9.85	40.66	56.00	-15.34	QP	
5		1.3739	27.59	9.81	37.40	56.00	-18.60	QP	
6		1.3739	14.96	9.81	24.77	46.00	-21.23	AVG	
7		1.7159	27.16	9.80	36.96	56.00	-19.04	QP	
8		1.7339	13.17	9.80	22.97	46.00	-23.03	AVG	
9		2.4945	25.71	9.79	35.50	56.00	-20.50	QP	
10		2.5845	12.29	9.79	22.08	46.00	-23.92	AVG	
11		29.6385	14.73	10.03	24.76	60.00	-35.24	QP	
12		29.6385	6.47	10.03	16.50	50.00	-33.50	AVG	

Remark:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
- 3. If the Peak value under Average limit, the Average value is not recorded in the report.





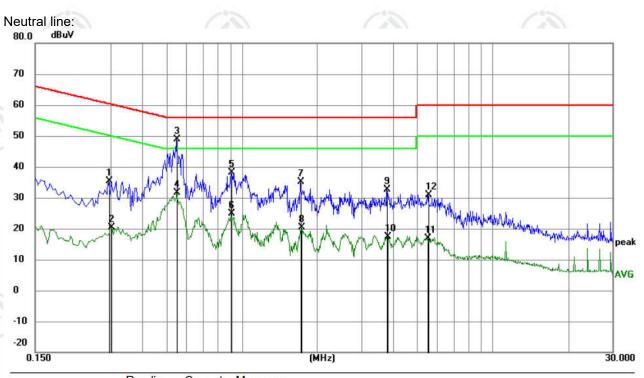












No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2940	25.43	10.06	35.49	60.41	-24.92	QP	
2		0.3030	10.25	10.07	20.32	50.16	-29.84	AVG	
3	*	0.5505	38.75	10.01	48.76	56.00	-7.24	QP	
4		0.5505	21.72	10.01	31.73	46.00	-14.27	AVG	
5		0.9060	28.34	9.85	38.19	56.00	-17.81	QP	
6		0.9060	14.96	9.85	24.81	46.00	-21.19	AVG	
7		1.7160	25.25	9.80	35.05	56.00	-20.95	QP	91
8		1.7340	10.60	9.80	20.40	46.00	-25.60	AVG	
9		3.7815	22.75	9.78	32.53	56.00	-23.47	QP	
10		3.7995	7.66	9.78	17.44	46.00	-28.56	AVG	
11		5.5005	7.12	9.78	16.90	50.00	-33.10	AVG	
12		5.5455	21.20	9.78	30.98	60.00	-29.02	QP	

Remark:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
- 3. If the Peak value under Average limit, the Average value is not recorded in the report.















7.3 Maximum Conducted Output Power

Test Requirement:	47 CFR Part 15C Section 15.247 (b)(3)
Test Method:	ANSI C63.10 2013
Test Setup:	
	Control Control Control Power Supply Power Supply Table RF test System Instrument Table
Test Procedure:	 PKPM1 Peak power meter measurement The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast-responding diode detector. Method AVGPM-G Average power measurement Method AVGPM-G is a measurement using a gated RF average power meter. Alternatively, measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
Limit:	30dBm
Test Mode:	Refer to clause 5.3
Test Results:	Refer to Appendix 2.4G WIFI

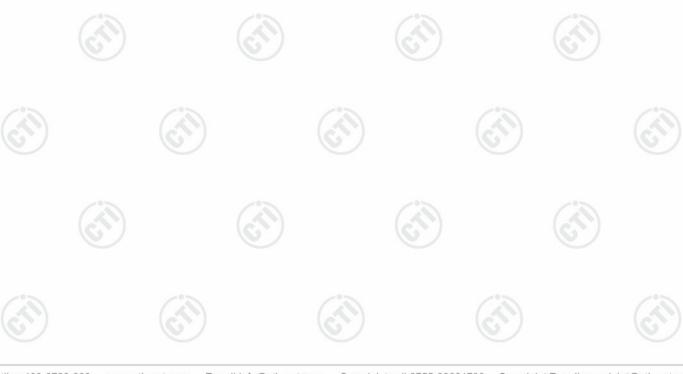




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7.4 DTS Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.247 (a)(2)
Test Method:	ANSI C63.10 2013
Test Setup:	(cří)
	Control Control Control Power Supply Power Supply Table RF test System Instrument Instrument
	Remark: Offset=Cable loss+ attenuation factor.
Test Procedure:	 a) Set RBW = 100 kHz. b) Set the VBW ≥[3 × RBW]. c) Detector = peak. d) Trace mode = max hold. e) Sweep = auto couple. f) Allow the trace to stabilize. g) 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.
Limit:	≥ 500 kHz
Test Mode:	Refer to clause 5.3
Test Results:	Refer to Appendix 2.4G WIFI

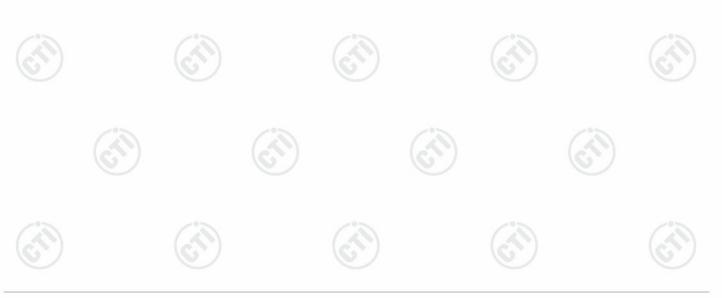






7.5 Maximum Power Spectral Density

Test Requirement:	47 CFR Part 15C Section 15.247 (e)	
Test Method:	ANSI C63.10 2013	
Test Setup:		
	Control Computer Power Supply Power Table RF test System System Instrument	
	Remark: Offset=Cable loss+ attenuation factor.	
Test Procedure:	 a) Set analyzer center frequency to DTS channel center frequency b) Set the span to 1.5 times the DTS bandwidth. c) Set the RBW to 3 kHz < RBW < 100 kHz. d) Set the VBW > [3 × RBW]. e) Detector = peak. f) Sweep time = auto couple. g) Trace mode = max hold. h) Allow trace to fully stabilize. i) Use the peak marker function to determine the maximum within the RBW. j) If measured value exceeds requirement, then reduce RB's than 3 kHz) and repeat. 	amplitude level
Limit:	≤8.00dBm/3kHz	
Test Mode:	Refer to clause 5.3	
Test Results:	Refer to Appendix 2.4G WIFI	4)

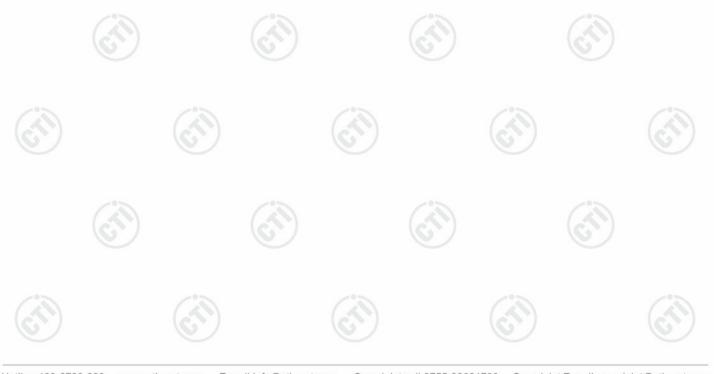






7.6 Band Edge Measurements and Conducted Spurious Emission

Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10 2013
Test Setup:	RF test System Flower Supply Remark: Offset=Cable loss+ attenuation factor.
Test Procedure:	a) Set RBW = 100KHz. b) Set VBW = 300KHz. c) Sweep time = auto couple. d) Detector = peak. e) Trace mode = max hold. f) Allow trace to fully stabilize. g) Use peak marker function to determine the peak amplitude level.
Limit:	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 Mode:	Refer to clause 5.3
Test Results:	Refer to Appendix 2.4G WIFI

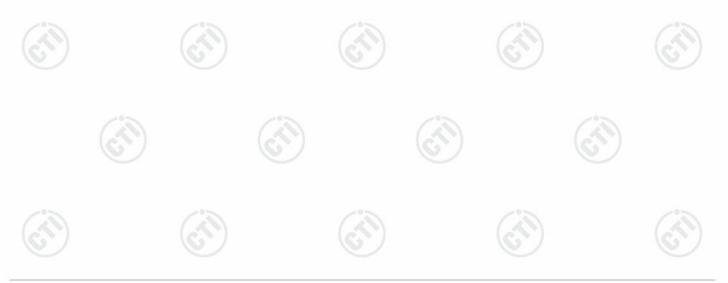






7.7 Radiated Spurious Emission & Restricted bands

	16.7		1800		16.7		
Test Requirement:	47 CFR Part 15C Secti	on 1	5.209 and 15	.205	(6)		
Test Method:	ANSI C63.10 2013						
Test Site:	Measurement Distance	: 3m	n (Semi-Anech	noic Cham	ber)	-51	
Receiver Setup:	Frequency	10	Detector	RBW	VBW	Remark	
	0.009MHz-0.090MH	z	Peak	10kHz	30kHz	Peak	
	0.009MHz-0.090MH	Average	10kHz	30kHz	Average		
	0.090MHz-0.110MH	Quasi-peak	10kHz	30kHz	Quasi-peak		
	0.110MHz-0.490MH	Z	Peak	10kHz	30kHz	Peak	
	0.110MHz-0.490MH	z	Average	10kHz	30kHz	Average	
	0.490MHz -30MHz		Quasi-peak	10kHz	30kHz	Quasi-peak	
	30MHz-1GHz		Quasi-peak	100 kH	z 300kHz	Quasi-peak	
	Above 1GHz		Peak	1MHz	3MHz	Peak	
	Above 1GHZ	Peak	1MHz	10kHz	Average		
Limit:	l Frequency		eld strength crovolt/meter)	Limit (dBuV/m)	Remark	Measuremer distance (m)	
	0.009MHz-0.490MHz	2	400/F(kHz)	-	-/0>	300	
	0.490MHz-1.705MHz	24	1000/F(kHz)	-	(A)	30	
	1.705MHz-30MHz		30	-	-	30	
	30MHz-88MHz		100	40.0	Quasi-peak	3	
	88MHz-216MHz		150	43.5	Quasi-peak	3	
	216MHz-960MHz	10	200	46.0	Quasi-peak	3	
	960MHz-1GHz		500	54.0	Quasi-peak	3	
	Above 1GHz		500	54.0	Average	3	
	Note: 15.35(b), Unless otherwise specified, the limit on peak rafrequency emissions is 20dB above the maximum permitted average emiss limit applicable to the equipment under test. This peak limit applies to the topeak emission level radiated by the device.						







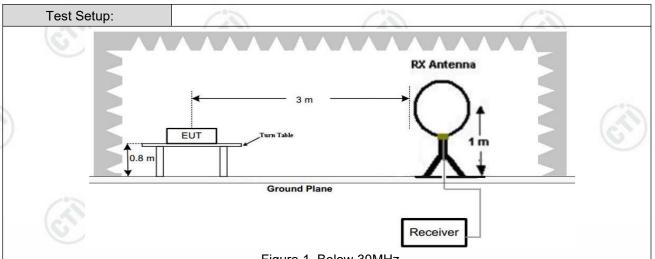
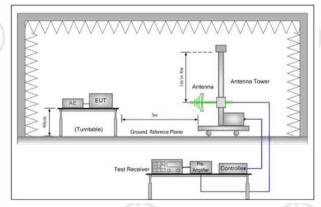


Figure 1. Below 30MHz



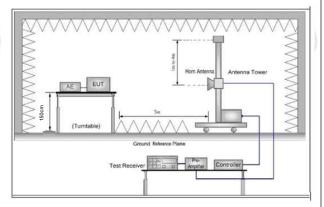


Figure 2. 30MHz to 1GHz

Figure 3. Above 1 GHz

Test Procedure:

- a. 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
 - 2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.

Note: For the radiated emission test above 1GHz:

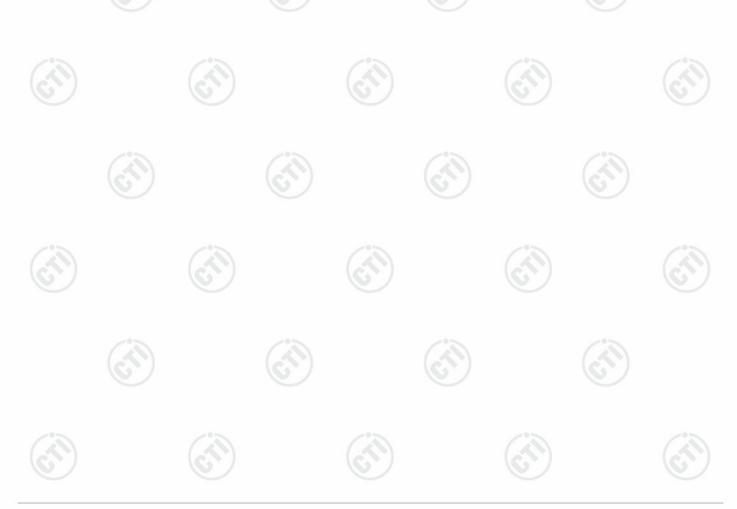
Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both



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Test Results:	Pass
Test Mode:	Refer to clause 5.3
	i. Repeat above procedures until all frequencies measured was complete.
	h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
	g. Test the EUT in the lowest channel (2402MHz),the middle channel (2440MHz),the Highest channel (2480MHz)
	f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
	e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
	d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
	horizontal and vertical polarizations of the antenna are set to make the measurement.



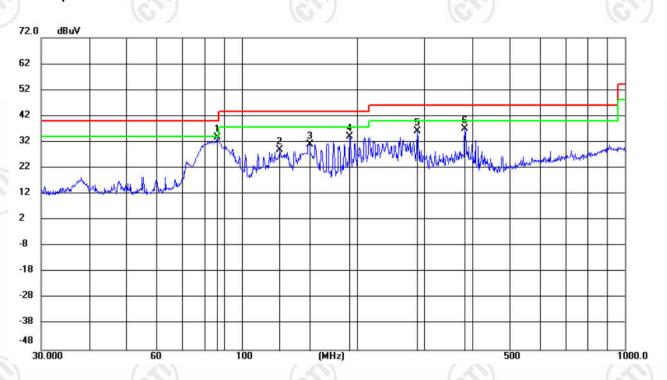


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Radiated Spurious Emission below 1GHz:

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes, only the worst case lowest channel of 1Mbps for 802.11b was recorded in the report.

Horizontal: **Test Graph**



Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Table Degree	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
*	86.5027	22.03	11.67	33.70	40.00	-6.30	peak	200	0	
	125.8863	18.82	10.28	29.10	43.50	-14.40	peak	200	0	
	150.5377	21.08	10.06	31.14	43.50	-12.36	peak	200	0	
	191.0738	22.19	11.96	34.15	43.50	-9.35	peak	200	352	
	286.9823	19.39	16.80	36.19	46.00	-9.81	peak	100	337	
	382.5878	17.92	19.02	36.94	46.00	-9.06	peak	100	140	
	*	MHz * 86.5027 125.8863 150.5377 191.0738	Mk. Freq. Level MHz dBuV * 86.5027 22.03 125.8863 18.82 150.5377 21.08 191.0738 22.19 286.9823 19.39	Mk. Freq. Level Factor MHz dBuV dB * 86.5027 22.03 11.67 125.8863 18.82 10.28 150.5377 21.08 10.06 191.0738 22.19 11.96 286.9823 19.39 16.80	Mk. Freq. Level Factor ment MHz dBuV dB dBuV/m * 86.5027 22.03 11.67 33.70 125.8863 18.82 10.28 29.10 150.5377 21.08 10.06 31.14 191.0738 22.19 11.96 34.15 286.9823 19.39 16.80 36.19	Mk. Freq. Level Factor ment Limit MHz dBuV dB dBuV/m dBuV/m * 86.5027 22.03 11.67 33.70 40.00 125.8863 18.82 10.28 29.10 43.50 150.5377 21.08 10.06 31.14 43.50 191.0738 22.19 11.96 34.15 43.50 286.9823 19.39 16.80 36.19 46.00	Mk. Freq. Level Factor ment Limit Margin MHz dBuV dB dBuV/m dBuV/m dBuV/m dB * 86.5027 22.03 11.67 33.70 40.00 -6.30 125.8863 18.82 10.28 29.10 43.50 -14.40 150.5377 21.08 10.06 31.14 43.50 -12.36 191.0738 22.19 11.96 34.15 43.50 -9.35 286.9823 19.39 16.80 36.19 46.00 -9.81	Mk. Freq. Level Factor ment Limit Margin MHz dBuV dB dBuV/m dBuV/m dB uV/m dB uV/m<	Mk. Freq. Level Factor ment Limit Margin Height MHz dBuV dB dBuV/m dBuV/m dB Detector cm * 86.5027 22.03 11.67 33.70 40.00 -6.30 peak 200 125.8863 18.82 10.28 29.10 43.50 -14.40 peak 200 150.5377 21.08 10.06 31.14 43.50 -12.36 peak 200 191.0738 22.19 11.96 34.15 43.50 -9.35 peak 200 286.9823 19.39 16.80 36.19 46.00 -9.81 peak 100	Mk. Freq. Level Factor ment Limit Margin Height Degree MHz dBuV dB dBuV/m dBuV/m dB Detector cm degree * 86.5027 22.03 11.67 33.70 40.00 -6.30 peak 200 0 125.8863 18.82 10.28 29.10 43.50 -14.40 peak 200 0 150.5377 21.08 10.06 31.14 43.50 -12.36 peak 200 0 191.0738 22.19 11.96 34.15 43.50 -9.35 peak 200 352 286.9823 19.39 16.80 36.19 46.00 -9.81 peak 100 337







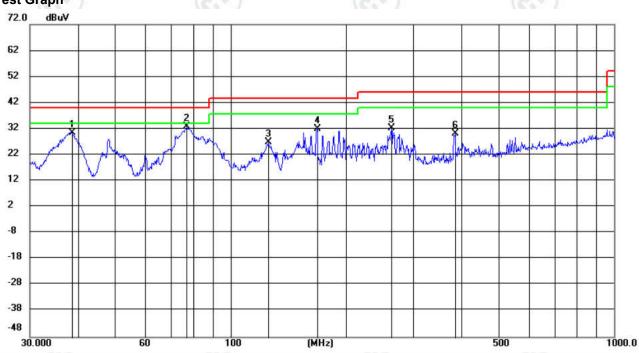








Vertical: Test Graph



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		38.6160	16.18	14.29	30.47	40.00	-9.53	peak	100	243	
2	*	77.0505	22.91	9.88	32.79	40.00	-7.21	peak	200	239	
3		125.4457	16.41	10.35	26.76	43.50	-16.74	peak	100	118	
4		168.4138	21.00	11.03	32.03	43.50	-11.47	peak	100	253	
5		262.8955	16.39	15.96	32.35	46.00	-13.65	peak	200	7	
6		385.2805	11.11	19.08	30.19	46.00	-15.81	peak	200	293	





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Radiated Spurious Emission above 1GHz:

Remark: Through Pre-scan, for 20MHz Occupied Bandwidth, 802.11 b mode was the worst case; for 40MHz Occupied Bandwidth, 802.11 n(HT40) mode was the worst case; only the worst case was recorded in the report.

Mode):		802.11 b Trans	mitting		Channe	el:	2412MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1402.0402	1.39	39.82	41.21	74.00	32.79	PASS	Н	PK
2	1902.0902	4.04	38.08	42.12	74.00	31.88	PASS	Н	PK
3	3216.0144	-20.26	70.52	50.26	74.00	23.74	PASS	Н	PK
4	4983.1322	-15.88	52.44	36.56	74.00	37.44	PASS	Н	PK
5	7560.304	-11.16	50.36	39.20	74.00	34.80	PASS	Н	PK
6	12481.6321	-4.80	48.72	43.92	74.00	30.08	PASS	Н	PK
7	1328.0328	1.15	42.15	43.30	74.00	30.70	PASS	V	PK
8	1995.6996	4.53	40.88	45.41	74.00	28.59	PASS	V	PK
9	3216.0144	-20.26	64.74	44.48	74.00	29.52	PASS	V	PK
10	5992.1995	-13.01	56.92	43.91	74.00	30.09	PASS	V	PK
11	8538.3692	-10.48	52.84	42.36	74.00	31.64	PASS	V	PK
12	17300.9534	4.04	43.72	47.76	74.00	26.24	PASS	V	PK

		400			000 11 h Transmitting					
Mode):		802.11 b Trans	mitting		Channe	el:	2437MHz		
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
1	1329.0329	1.16	39.62	40.78	74.00	33.22	PASS	Н	PK	
2	2071.1071	4.79	38.87	43.66	74.00	30.34	PASS	Н	PK	
3	3249.0166	-20.08	68.34	48.26	74.00	25.74	PASS	Н	PK	
4	4874.1249	-16.21	52.29	36.08	74.00	37.92	PASS	Н	PK	
5	7202.2802	-11.84	50.73	38.89	74.00	35.11	PASS	Н	PK	
6	12543.6362	-4.52	47.81	43.29	74.00	30.71	PASS	Н	PK	
7	1327.8328	1.15	41.87	43.02	74.00	30.98	PASS	V	PK	
8	1994.2994	4.52	43.10	47.62	74.00	26.38	PASS	V	PK	
9	3249.0166	-20.08	64.66	44.58	74.00	29.42	PASS	V	PK	
10	5991.1994	-13.01	56.96	43.95	74.00	30.05	PASS	V	PK	
11	8999.4	-8.47	51.98	43.51	74.00	30.49	PASS	V	PK	
12	13738.7159	-1.72	46.41	44.69	74.00	29.31	PASS	V	PK	













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		1.0								
	Mode	:		802.11 b Trans	smitting		Channe	el:	2462MHz	
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1	1328.2328	1.15	40.44	41.59	74.00	32.41	PASS	Н	PK
Ç	2	1903.4903	4.05	37.82	41.87	74.00	32.13	PASS	Н	PK
	3	3283.0189	-19.90	68.41	48.51	74.00	25.49	PASS	Н	PK
Ī	4	4924.1283	-16.11	53.01	36.90	74.00	37.10	PASS	Н	PK
	5	8746.3831	-9.83	49.38	39.55	74.00	34.45	PASS	Н	PK
	6	13767.7178	-1.68	46.09	44.41	74.00	29.59	PASS	Н	PK
Ī	7	1327.6328	1.15	42.57	43.72	74.00	30.28	PASS	V	PK
Ī	8	1997.0997	4.53	41.60	46.13	74.00	27.87	PASS	V	PK
Ī	9	3283.0189	-19.90	63.54	43.64	74.00	30.36	PASS	V	PK
	10	4985.1323	-15.88	57.83	41.95	74.00	32.05	PASS	V	PK
9	11	5991.1994	-13.01	56.96	43.95	74.00	30.05	PASS	V	PK
٦	12	10192.4795	-7.12	48.79	41.67	74.00	32.33	PASS	V	PK

Mode	:		802.11 n(HT40)) Transmitting		Channe	el:	2422MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1331.6332	1.16	40.48	41.64	74.00	32.36	PASS	Н	PK
2	2070.9071	4.78	39.20	43.98	74.00	30.02	PASS	Н	PK
3	3229.0153	-20.19	69.24	49.05	74.00	24.95	PASS	Н	PK
4	5220.148	-14.55	51.04	36.49	74.00	37.51	PASS	Н	PK
5	8837.3892	-9.37	48.55	39.18	74.00	34.82	PASS	Н	PK
6	12820.6547	-4.25	47.22	42.97	74.00	31.03	PASS	Н	PK
7	1333.0333	1.17	41.98	43.15	74.00	30.85	PASS	V	PK
8	1998.6999	4.54	42.32	46.86	74.00	27.14	PASS	V	PK
9	3229.0153	-20.19	65.46	45.27	74.00	28.73	PASS	V	PK
10	5990.1993	-13.03	58.14	45.11	74.00	28.89	PASS	V	PK
11	8993.3996	-8.51	50.51	42.00	74.00	32.00	PASS	V	PK
12	14378.7586	0.87	43.83	44.70	74.00	29.30	PASS	V	PK





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	10%		1000		20%		-	0.50	
Mode	:		802.11 n(HT40)) Transmitting		Channe	el:	2437MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1305.2305	1.08	39.44	40.52	74.00	33.48	PASS	Н	PK
2	2020.502	4.62	38.81	43.43	74.00	30.57	PASS	Н	PK
3	3249.0166	-20.08	68.85	48.77	74.00	25.23	PASS	Н	PK
4	5382.1588	-14.59	51.66	37.07	74.00	36.93	PASS	Н	PK
5	9220.4147	-7.89	48.47	40.58	74.00	33.42	PASS	Н	PK
6	12450.63	-4.76	48.36	43.60	74.00	30.40	PASS	Н	PK
7	1329.833	1.16	41.75	42.91	74.00	31.09	PASS	V	PK
8	1995.4996	4.53	43.31	47.84	74.00	26.16	PASS	V	PK
9	3249.0166	-20.08	64.46	44.38	74.00	29.62	PASS	V	PK
10	5994.1996	-13.00	56.80	43.80	74.00	30.20	PASS	V	PK
11	8989.3993	-8.55	51.49	42.94	74.00	31.06	PASS	V	PK
12	12496.6331	-4.82	47.54	42.72	74.00	31.28	PASS	V	PK

Mode	:		802.11 n(HT40) Transmitting		Channe	el:	2452MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1437.2437	1.42	39.80	41.22	74.00	32.78	PASS	Н	PK
2	1962.2962	4.35	38.63	42.98	74.00	31.02	PASS	Н	PK
3	3269.0179	-19.97	69.87	49.90	74.00	24.10	PASS	Н	PK
4	4999.1333	-15.82	52.08	36.26	74.00	37.74	PASS	Н	PK
5	9017.4012	-8.50	47.68	39.18	74.00	34.82	PASS	Н	PK
6	12537.6358	-4.56	48.22	43.66	74.00	30.34	PASS	Н	PK
7	1330.433	1.16	41.29	42.45	74.00	31.55	PASS	V	PK
8	1999.9	4.55	40.24	44.79	74.00	29.21	PASS	V	PK
9	3269.0179	-19.97	60.64	40.67	74.00	33.33	PASS	V	PK
10	4793.1195	-16.25	57.49	41.24	74.00	32.76	PASS	V	PK
11	8999.4	-8.47	52.85	44.38	74.00	29.62	PASS	V	PK
12	12547.6365	-4.49	47.82	43.33	74.00	30.67	PASS	V	PK

Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
 - Final Test Level =Receiver Reading + Antenna Factor + Cable Factor Preamplifier Factor
- 2) Scan from 9kHz to 25GHz, the disturbance above 10GHz and below 30MHz was very low. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.











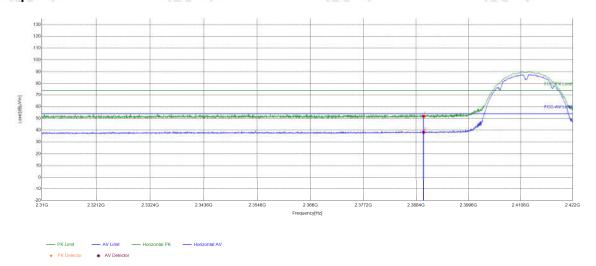




Restricted bands:

Test plot as follows:

Mode:	802.11 b Transmitting	Channel:	2412
Remark:	5		



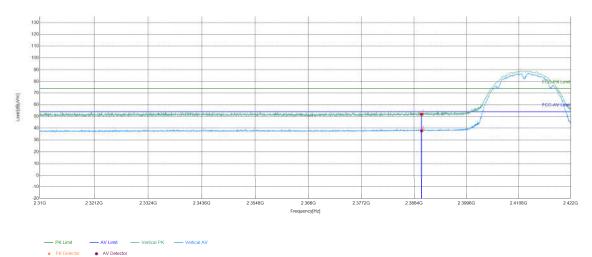
-	Suspecte	d List								
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
Ī	1	2390	13.75	38.15	51.90	74.00	22.10	PASS	Horizontal	PK
	2	2390	13.75	24.51	38.26	74.00	35.74	PASS	Horizontal	AV





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Mode:	802.11 b Transmitting	Channel:	2412
Remark:			



	Suspected List										
-	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
	1	2390	13.75	38.13	51.88	74.00	22.12	PASS	Vertical	PK	
	2	2390	13.75	24.10	37.85	74.00	36.15	PASS	Vertical	AV	

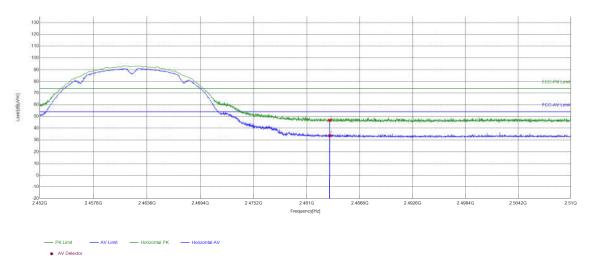




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		(6)	(6.77)	
Mode:	802.11 b Transmitting	Channel:	2462	
Remark:				

Test Graph



	Suspecte	d List								
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
3	1	2483.5	6.57	40.13	46.70	74.00	27.30	PASS	Horizontal	PK
	2	2483.5	6.57	27.15	33.72	74.00	40.28	PASS	Horizontal	AV

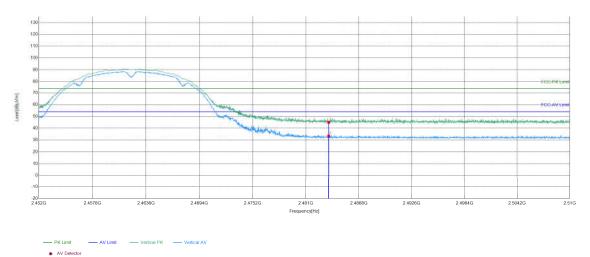


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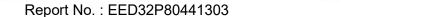
Mode:	802.11 b Transmitting	Channel:	2462
Remark:			

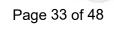


	Suspecte	d List								
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
3	1	2483.5	6.57	38.56	45.13	74.00	28.87	PASS	Vertical	PK
	2	2483.5	6.57	26.76	33.33	74.00	40.67	PASS	Vertical	AV

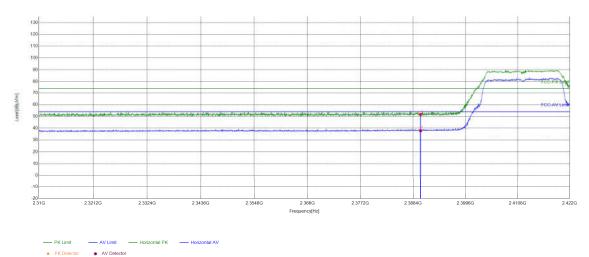




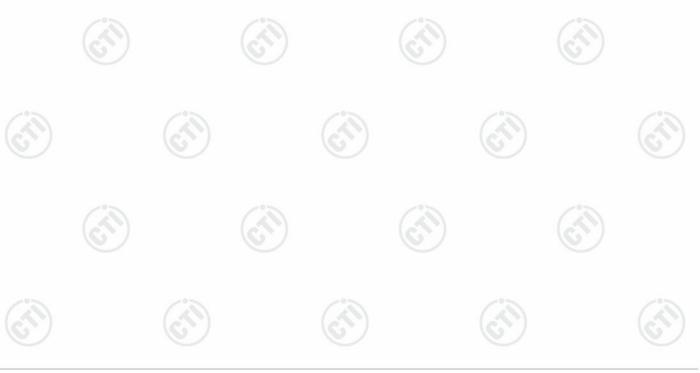




Mode:	802.11 g Transmitting	Channel:	2412
Remark:			



	Suspecte	d List								
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
3	1	2390	13.75	37.98	51.73	74.00	22.27	PASS	Horizontal	PK
	2	2390	13.75	24.19	37.94	74.00	36.06	PASS	Horizontal	AV

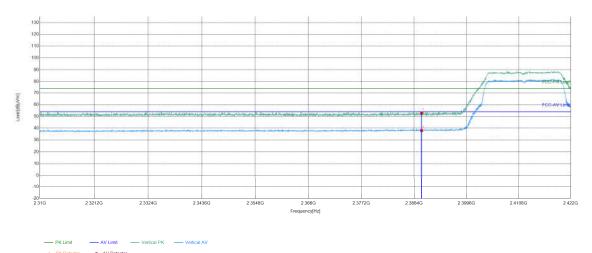




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Mode:	802.11 g Transmitting	Channel:	2412
Remark:			

Test Graph

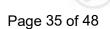


Suspected List Factor Limit Freq. Reading Level Margin [dB] NO Result **Polarity** Remark [MHz] [dBµV] $[dB\mu V/m]$ [dBµV/m] [dB] 2390 13.75 39.14 52.89 74.00 21.11 **PASS** Vertical PΚ 1 2 2390 13.75 24.26 38.01 74.00 35.99 **PASS** Vertical ΑV

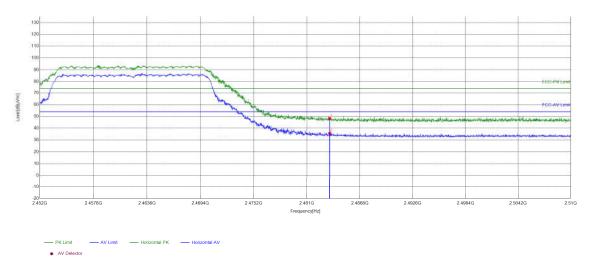




Report No.: EED32P80441303



Mode:	802.11 g Transmitting	Channel:	2462
Remark:			



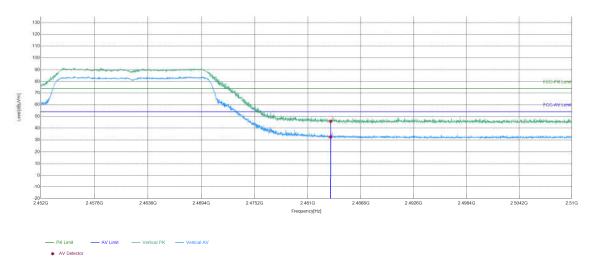
Suspecte	d List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5	6.57	41.74	48.31	74.00	25.69	PASS	Horizontal	PK
2	2483.5	6.57	29.02	35.59	74.00	38.41	PASS	Horizontal	AV





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Mode:	802.11 g Transmitting	Channel:	2462
Remark:	242		



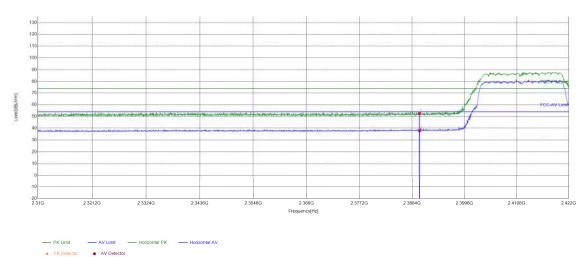
	Suspecte	d List								
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
3	1	2483.5	6.57	39.26	45.83	74.00	28.17	PASS	Vertical	PK
	2	2483.5	6.57	25.97	32.54	74.00	41.46	PASS	Vertical	AV





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Mode:	802.11 n(HT20) Transmitting	Channel:	2412
Remark:	200		

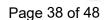


Suspecte	d List								
 NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	13.75	38.73	52.48	74.00	21.52	PASS	Horizontal	PK
2	2390	13.75	24.18	37.93	74.00	36.07	PASS	Horizontal	AV



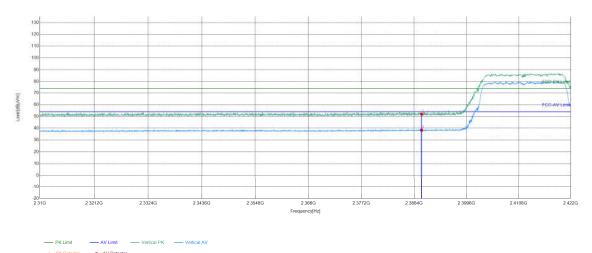


Report No.: EED32P80441303

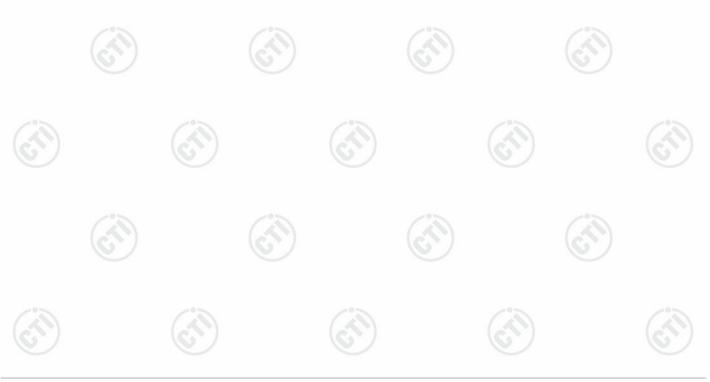


Mode:	802.11 n(HT20) Transmitting	Channel:	2412
Remark:	~		

Test Graph

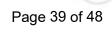


Suspected List Factor Limit Freq. Reading Level Margin [dB] NO Result **Polarity** Remark [MHz] [dBµV] $[dB\mu V/m]$ [dBµV/m] [dB] 2390 13.75 52.06 74.00 21.94 **PASS** Vertical PΚ 38.31 1 2 2390 13.75 24.64 38.39 74.00 35.61 **PASS** Vertical ΑV

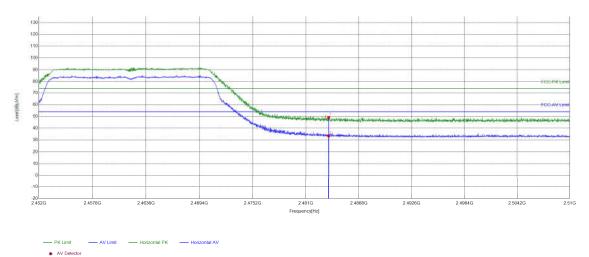








Mode:	802.11 n(HT20) Transmitting	Channel:	2462
Remark:	~22		



	Suspecte	d List								
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
3	1	2483.5	6.57	42.66	49.23	74.00	24.77	PASS	Horizontal	PK
	2	2483.5	6.57	26.96	33.53	74.00	40.47	PASS	Horizontal	AV

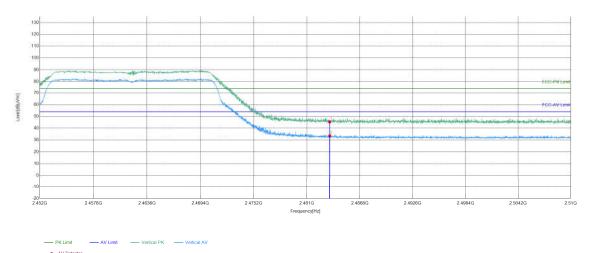




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Mode:	802.11 n(HT20) Transmitting	Channel:	2462
Remark:	~		

Test Graph



Suspected List Factor Limit Freq. Reading Level Margin [dB] NO Result **Polarity** Remark [MHz] [dBµV] $[dB\mu V/m]$ [dBµV/m] [dB] 2483.5 6.57 38.92 45.49 74.00 28.51 **PASS** Vertical PΚ 1 2 2483.5 6.57 26.89 33.46 74.00 40.54 **PASS** Vertical ΑV

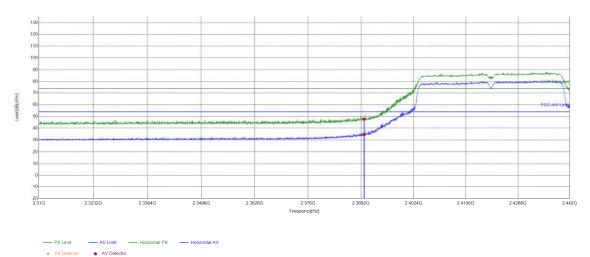








Mode:	802.11 n(HT40) Transmitting	Channel:	2422
Remark:			



	Suspecte	d List								
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
3	1	2390	5.77	42.03	47.80	74.00	26.20	PASS	Horizontal	PK
	2	2390	5.77	28.94	34.71	74.00	39.29	PASS	Horizontal	AV

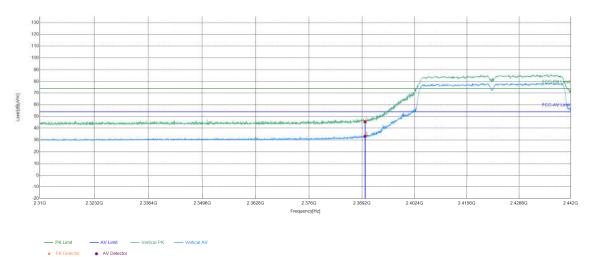






6.00	(6.5)	CAL	(6.3)
Mode:	802.11 n(HT40) Transmitting	Channel:	2422
Remark:	~~~		

Test Graph



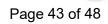
Suspecte	d List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	5.77	39.68	45.45	74.00	28.55	PASS	Vertical	PK
2	2390	5.77	27.37	33.14	74.00	40.86	PASS	Vertical	AV



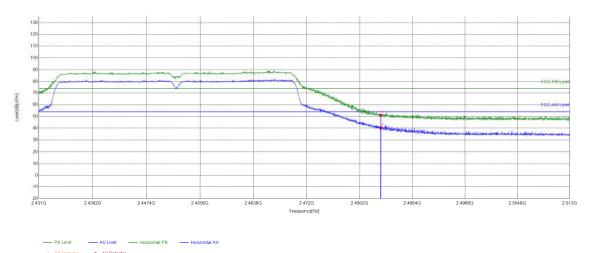
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Report No.: EED32P80441303



Mode:	802.11 n(HT40) Transmitting	Channel:	2452
Remark:	5450		



	Suspected List									
-	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1	2483.5	6.57	44.47	51.04	74.00	22.96	PASS	Horizontal	PK
	2	2483.5	6.57	33.66	40.23	74.00	33.77	PASS	Horizontal	AV

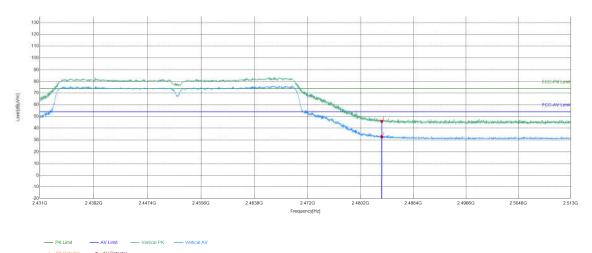




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Mode:	802.11 n(HT40) Transmitting	Channel:	2452	
Remark:				

Test Graph



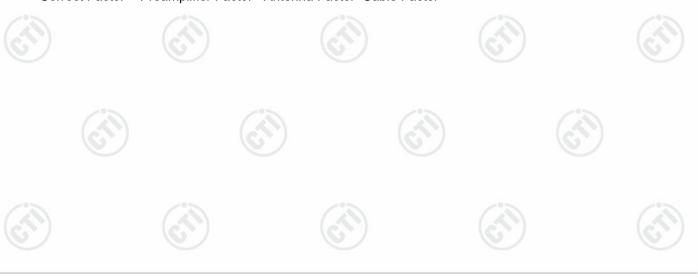
	Suspected List									
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
3	1	2483.5	6.57	39.39	45.96	74.00	28.04	PASS	Vertical	PK
	2	2483.5	6.57	26.11	32.68	74.00	41.32	PASS	Vertical	AV

Note:

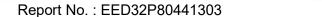
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor











8 Appendix 2.4G WIFI









































































































