



TEST REPORT

Product

Trade mark
Model/Type reference
Serial Number
Report Number
FCC ID
Date of Issue
Test Standards
Test result

- : New Energy Vehicle Detection Tool
- : SmartSafe
- : iSmartEV P01
- : N/A
- : EED32O81173003
- : 2AYANEVP01
- : Sep. 23, 2022
- : 47 CFR Part 15 Subpart C
- : PASS

Prepared for:

SHENZHEN SMARTSAFE TECH CO., LTD. 3F, Building B, Qiao'an Technology Industrial Park, Guanlan, Longhua New District, Shenzhen, China

> 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









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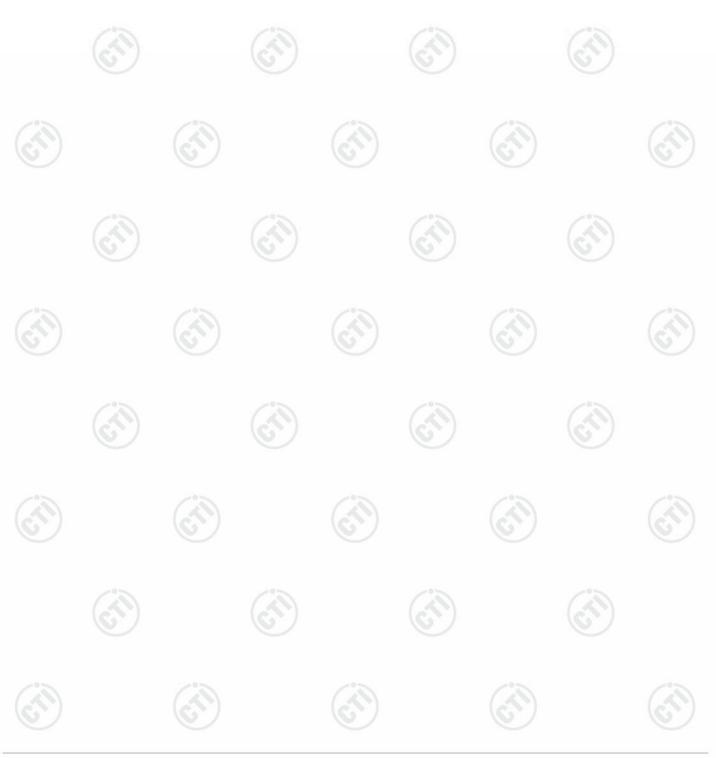
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3 Version

V	ersion No.	Date	6	Description	/
	00	Sep. 23, 2022		Original	
~	2	2		(°)	12
	(6	S) (2	(2)	(25)	(5)





Test Summary Л



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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:

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

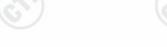
5.1 Client Information

Applicant:	SHENZHEN SMARTSAFE TECH CO., LTD.
Address of Applicant:	3F,Building B, Qiao'an Technology Industrial Park, Guanlan, Longhua New District, Shenzhen, China
Manufacturer:	SHENZHEN SMARTSAFE TECH CO., LTD.
Address of Manufacturer:	3F,Building B, Qiao'an Technology Industrial Park, Guanlan, Longhua New District, Shenzhen, China
Factory:	SHENZHEN SMARTSAFE TECH CO., LTD.
Address of Factory:	3F,Building B, Qiao'an Technology Industrial Park, Guanlan, Longhua New District, Shenzhen, China

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5.2 General Description of EUT

Product Name:	New Energy	Vehicle Detection Tool					
Model No.:	iSmartEV P0 ²						
Trade mark:	SmartSafe	(J) (J) (J)					
Product Type:	Portable						
Operation Frequency:		IEEE 802.11b/g/n(HT20): 2412MHz to 2462MHz IEEE 802.11n(HT40): 2422MHz to 2452MHz					
Modulation Type:	IEEE for 802.	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:	internal anten	na					
Antenna Gain:	3.64dBi						
Power Supply:	Adapter:	model: C1902XZ/C1902XA/C1902XJ input: 100-240V~50/60Hz,0.5A output: PD:5.0V,3.0A/9.0V,2.22A/12.0V,1.67A, MAX:20.0W					
	Battery:	DC 3.8V,9360mAh,35.568Wh					
Test Voltage:	DC 3.8V	(J) (J) (J)					
Sample Received Date:	Aug. 19, 2022	2					
Sample tested Date:	Aug. 19, 2022	2 to Sep. 07, 2022					









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Channel	Frequency	Channel	Frequency	Channel	Frequence	y Cha	annel	Frequency
1	2412MHz	4	2427MHz	7	2442MH	z 1	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MH	z	1	2462MHz
3	2422MHz	6	2437MHz	9	2452MH	z		6
Operation	Frequency ea	ch of chann	el (802.11n HT	40)				
Channel	Frequ	ency	Channel	Frequence	cy C	hannel	F	Frequency
3	24221	MHz	6	2437MH	z	9	20	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
i në nignest channei	2462MHZ

802.11n (HT40)

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







5.3 Test Configuration

Software:		RF test					
EUT Power Gra	de:	Class2 (Po selected)	wer level is b	uilt-in set para	meters and c	annot be cha	inged and
Use test softwar transmitting of th		west frequency	y, the middle t	frequency and	I the highest f	requency ke	ер
Test Mode:				~1~			
We have verified the EUT in trans							d out with
Per-scan all kir was worst case	nd of data rate						
	Mode				Data ra		
6	802.11b 802.11g				1Mbp 6Mbp		-(2
)	802.11n(HT	20)	67		6.5Mb	os	6.
According to AN	802.11n(HT		et resulte are	hoth the "wor	13.5Mb at case" and "		1Mbps fo
802.11b, 6Mbps							10000









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5.4 Test Environment

	Operating Environment	Operating Environment:						
- 62	Radiated Spurious Emi	ssions:						
10	Temperature:	22~25.0 °C	(1)		(2)		(2)	
2	Humidity:	50~55 % RH	C		C		S	
	Atmospheric Pressure:	1010mbar						
	Conducted Emissions:							
	Temperature:	22~25.0 °C				(in)		
	Humidity:	50~55 % RH		6)		6		
	Atmospheric Pressure:	1010mbar						
	RF Conducted:							
2	Temperature:	22~25.0 °C	13				13	
	Humidity:	50~55 % RH	(c^{γ})		(c^{γ})		(\mathcal{S})	
~	Atmospheric Pressure:	1010mbar	U		U		U	

5.5 Description of Support Units

The EUT has been tested independently.

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







CTI华测检测

Report No. : EED32O81173003

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9 x 10 ⁻⁸
2	DE nower conducted	0.46dB (30MHz-1GHz)
Ζ	RF power, conducted	0.55dB (1GHz-40GHz)
		3.3dB (9kHz-30MHz)
3	Dedicted Sourious optication test	4.3dB (30MHz-1GHz)
3	Radiated Spurious emission test	4.5dB (1GHz-18GHz)
a		3.4dB (18GHz-40GHz)
2	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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5.7 Measurement Uncertainty (95% confidence levels, k=2)

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6 Equipment List

					2 /					
RF test system										
Equipment	Manufacturer	Mode No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)					
Spectrum Analyzer	Keysight	N9010A	MY54510339	12-24-2021	12-23-2022					
Signal Generator	Keysight	N5182B	MY53051549	12-24-2021	12-23-2022					
Spectrum Analyzer	R&S	FSV40	101200	07-29-2022	07-28-2023					
Signal Generator	Agilent	N5181A	MY46240094	12-24-2021	12-23-2022					
DC Power	Keysight	E3642A	MY56376072	12-24-2021	12-23-2022					
Power unit	R&S	OSP120	101374	12-24-2021	12-23-2022					
RF control unit	JS Tonscend	JS0806-2	158060006	12-24-2021	12-23-2022					
Communication test set	R&S	CMW500	120765	12-22-2021	12-21-2022					
high-low temperature test chamber	Dong Guang Qin Zhuo	LK-80GA	QZ20150611879	12-24-2021	12-23-2022					
Temperature/ Humidity Indicator	biaozhi	HM10	1804186	06-16-2022	06-15-2023					
BT&WI-FI Automatic test software	JS Tonscend	JS1120-3	2.6.77.0518	- 6	9					



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	/						
LISN	R&S	ENV216	100098	03-01-2022	02-28-2023				
Barometer	changchun	DYM3	1188		<u> </u>				

















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	3M Semi-anechoic Chamber (2)- Radiated disturbance 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	10/14/2021	10/13/2022					
TRILOG Broadband Antenna	schwarzbeck	VULB 9163	9163-618	05/22/2022	05/21/2023					
Multi device Controller	maturo	NCD/070/10711112		(3	s					
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					































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		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		
Receiver	Keysight	N9038A	MY57290136	03-01-2022	02-28-2023
Spectrum Analyzer	Keysight	N9020B	MY57111112	02-23-2022	02-22-2023
Spectrum Analyzer	Keysight	N9030B	MY57140871	02-23-2022	02-22-2023
TRILOG Broadband Antenna	Schwarzbeck			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	04-19-2023
Preamplifier	EMCI	EMC001330	980563	04-01-2022	03-31-2023
Preamplifier	JS Tonscend	980380	EMC051845SE	12-24-2021	12-23-2022
Communication test set	R&S	CMW500	102898	12-24-2021	12-23-2022
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	04-11-2022	04-10-2023
Fully Anechoic Chamber	трк	FAC-3	\odot	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	9	<u> </u>
Cable line	Times	SFT205-NMSM-2.50M	393495-0001		
Cable line	Times	EMC104-NMNM-1000	SN160710	- 0	
Cable line	Times	SFT205-NMSM-3.00M	394813-0001		
Cable line	Times	SFT205-NMNM-1.50M	381964-0001		
Cable line	Times	SFT205-NMSM-7.00M	394815-0001	<u>-</u>	
Cable line	Times	HF160-KMKM-3.00M	393493-0001	9_	6











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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:

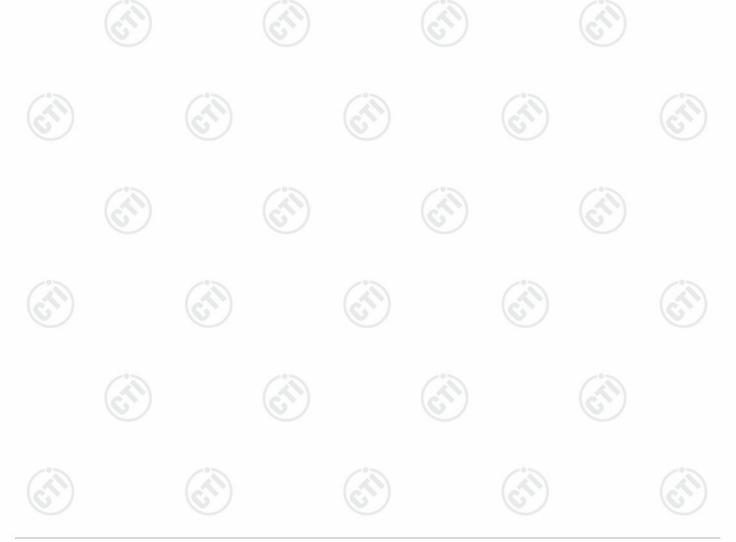
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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
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The antenna is integral antenna. The best case gain of the antenna is 3.64dBi.



СТ	华测检测
	Report No. : EED32O81173003





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7.2 AC Power Line Conducted Emissions

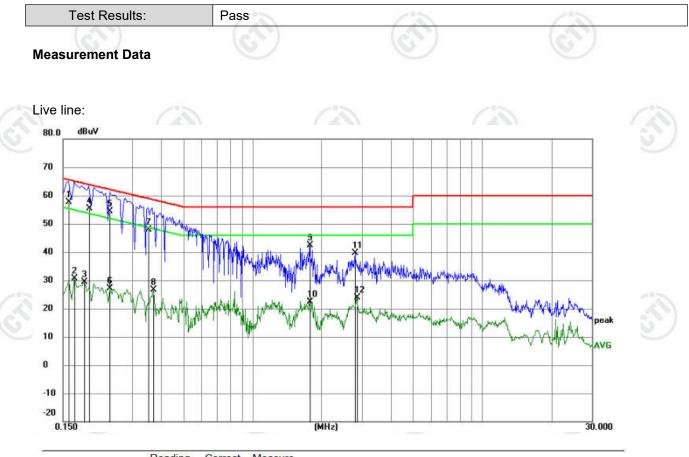
	Test Requirement:	47 CFR Part 15C Section 15.	.207	
	Test Method:	ANSI C63.10: 2013		
	Test Frequency Range:	150kHz to 30MHz		
	Receiver setup:	RBW=9 kHz, VBW=30 kHz, S	Sweep time=auto	(i)
6	Limit:	(25)	Limit (dBuV)
~		Frequency range (MHz)	Quasi-peak	Average
		0.15-0.5	66 to 56*	56 to 46*
		0.5-5	56	46
		5-30	60	50
		* Decreases with the logarith		
(c>)	Test Setup:	Shielding Room	AE	Test Receiver
		AC Mains	Ground Reference Plane	ains
(C) (C)	Test Procedure:	 impedance. The power connected to a second LI plane in the same way multiple socket outlet stript single LISN provided the first single LISN provided the first stript of the second control of the second control	d to AC power source Network) which provide cables of all other SN 2, which was bond as the LISN 1 for the o was used to connect rating of the LISN was aced upon a non-meta And for floor-standing a ground reference plane ith a vertical ground re from the vertical gro e plane was bonded N 1 was placed 0.8 m nded to a ground re pund reference plane. T LISN 1 and the EUT.	e through a LISN 1 (Line es a $50\Omega/50\mu$ H + 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 difference plane. The rear of und reference plane. The to the horizontal ground form the boundary of the ofference plane for LISNs This distance was between All other units of the EUT
3	Test Mode:	 5) In order to find the maxim and all of the interface ca ANSI C63.10: 2013 on co All modes were tested, only t 802.11b was recorded in the 	ables must be changed nducted measurement he worse case lowest o	according to







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No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin			
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment	
1	0.1590	47.73	9.87	57.60	65.52	-7.92	QP		
2	0.1680	20.83	9.87	30.70	55.06	-24.36	AVG		
3	0.1860	19.55	9.87	29.42	54.21	-24.79	AVG		
4	0.1949	45.63	9.87	55.50	63.83	-8.33	QP		
5 *	0.2400	44.55	9.95	54.50	62.10	-7.60	QP		36
6	0.2400	17.18	9.95	27.13	52.10	-24.97	AVG		, 2
7	0.3525	37.88	10.02	47.90	58.90	-11.00	QP		
8	0.3704	16.72	10.00	26.72	48.49	-21.77	AVG		
9	1.7745	32.54	9.80	42.34	56.00	-13.66	QP		
10	1.7745	12.53	9.80	22.33	46.00	-23.67	AVG		
11	2.8005	29.90	9.79	39.69	56.00	-16.31	QP		
12	2.8455	14.12	9.79	23.91	46.00	-22.09	AVG		

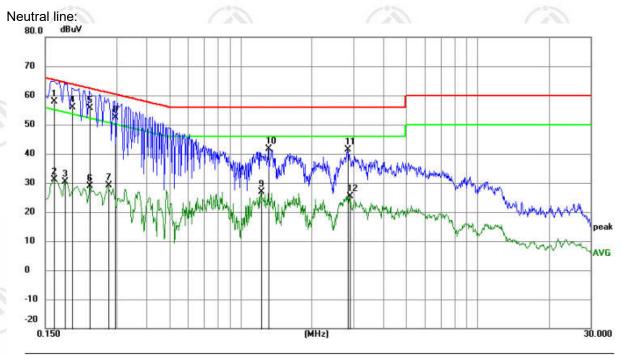


- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
- 3. If the Peak value under Average limit, the Average value is not recorded in the report.





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No. N	٨k.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1635	48.03	9.87	57.90	65.28	-7.38	QP	
2		0.1635	21.15	9.87	31.02	55.28	-24.26	AVG	
3		0.1815	20.49	9.87	30.36	54.42	-24.06	AVG	
4		0.1949	45.93	9.87	55.80	63.83	-8.03	QP	
5 *	8	0.2310	45.77	9.93	55.70	62.41	-6.71	QP	
6		0.2310	19.01	9.93	28.94	52.41	-23.47	AVG	
7		0.2760	19.08	10.02	29.10	50.94	-21.84	AVG	
8		0.2940	42.24	10.06	52.30	60.41	-8.11	QP	
9		1.2210	17.11	9.82	26.93	46.00	-19.07	AVG	
10		1.3110	31.71	9.82	41.53	56.00	-14.47	QP	
11		2.8320	31.61	9.79	41.40	56.00	-14.60	QP	
12		2.8860	15.69	9.79	25.48	46.00	-20.52	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.





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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 Computer Supply Forwar Supply Table						
<u> </u>	Test Procedure:	1. PKPM1 Peak power meter measurement The maximum peak conducted output power may be measured using a						
.22		 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. 2. 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						





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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: **RF** test System Power Supply Attenuator Instrument TEMPERATURE CABINET Remark: Offset=Cable loss+ attenuation factor. Test Procedure: a) Set RBW = 100 kHz. b) Set the VBW \geq [3 \times 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 of module 1

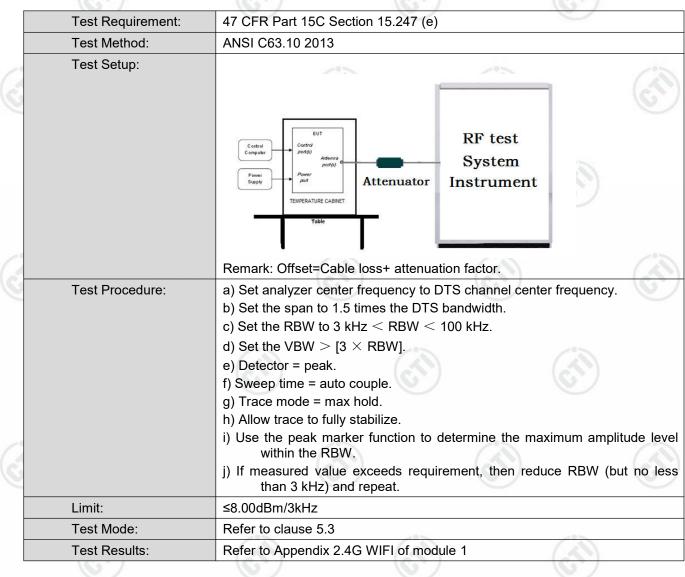






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7.5 Maximum Power Spectral Density



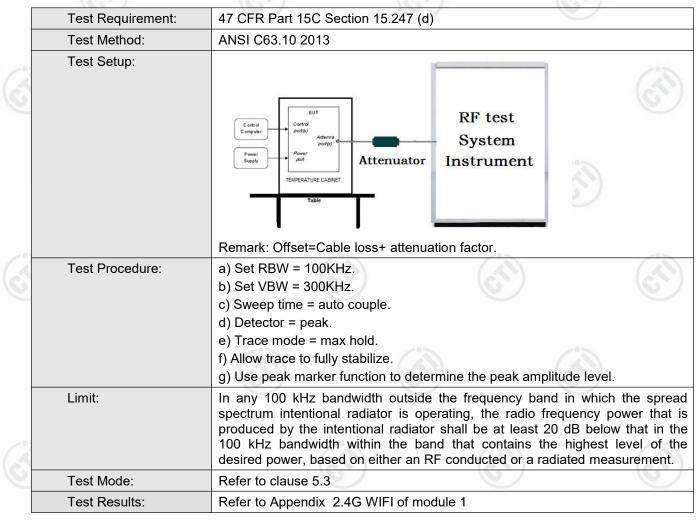






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7.6 Band Edge Measurements and Conducted Spurious Emission









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7.7 Radiated Spurious Emission & Restricted bands

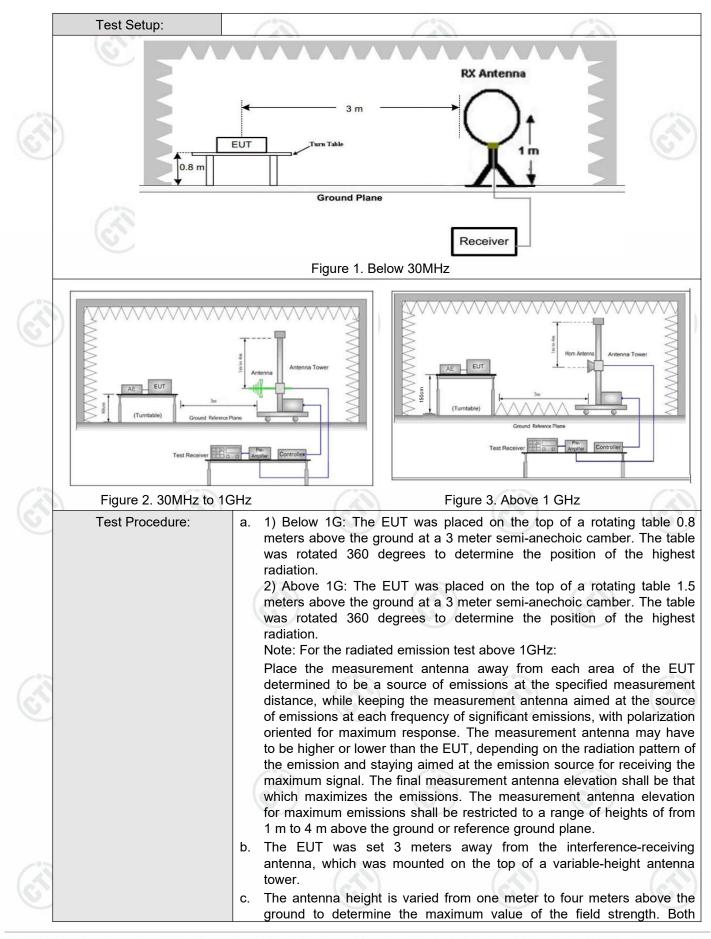
	Test Requirement:	47 CFR Part 15C Section	on 1	5.209 and 15	.205		C	/
	Test Method:	ANSI C63.10 2013						
-	Test Site:	Measurement Distance	: 3m	ı (Semi-Anech	noic Cham	ber)	- 11
	Receiver Setup:	Frequency	6	Detector	RBW	1	VBW	Remark
(U)		0.009MHz-0.090MH	z	Peak	10kHz	z	30kHz	Peak
		0.009MHz-0.090MH	z	Average	10kHz	z	30kHz	Average
		0.090MHz-0.110MH	z	Quasi-peak	10kHz	z	30kHz	Quasi-peak
		0.110MHz-0.490MH	z	Peak	10kHz	z	30kHz	Peak
		0.110MHz-0.490MH	z	Average	10kHz	z	30kHz	Average
		0.490MHz -30MHz		Quasi-peak	10kHz	z	30kHz	Quasi-peak
		30MHz-1GHz		Quasi-peak	100 kH	Iz	300kHz	Quasi-peak
13			~	Peak	1MHz		3MHz	Peak
(c)		Above 1GHz		Peak	1MHz)	10kHz	Average
	Limit:	Frequency		eld strength crovolt/meter)	Limit (dBuV/m)		Remark	Measuremer distance (m)
		0.009MHz-0.490MHz	24	400/F(kHz)	-	- ~ >>		300
		0.490MHz-1.705MHz	24	000/F(kHz)	-		- 2	30
		1.705MHz-30MHz		30 -				30
		30MHz-88MHz		100	40.0	Q	uasi-peak	3
		88MHz-216MHz		150	43.5	Q	uasi-peak	3
		216MHz-960MHz	2	200	46.0	Q	uasi-peak	3
<u> </u>		960MHz-1GHz	/	500	54.0	Q	uasi-peak	3
		Above 1GHz		500	54.0		Average	3
		Note: 15.35(b), frequency emissions is limit applicable to the e peak emission level rac	20d quip	B above the ment under t	maximum est. This p	per	rmitted ave	erage emission







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【华测检测

horizontal and vertical polarizations of the antenna are set to make the measurement. 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. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 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. g. Test the EUT in the lowest channel (2402MHz), the middle channel (2440MHz), the Highest channel (2480MHz) 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. Repeat above procedures until all frequencies measured was complete. i. Refer to clause 5.3 Test Mode: Pass Test Results:









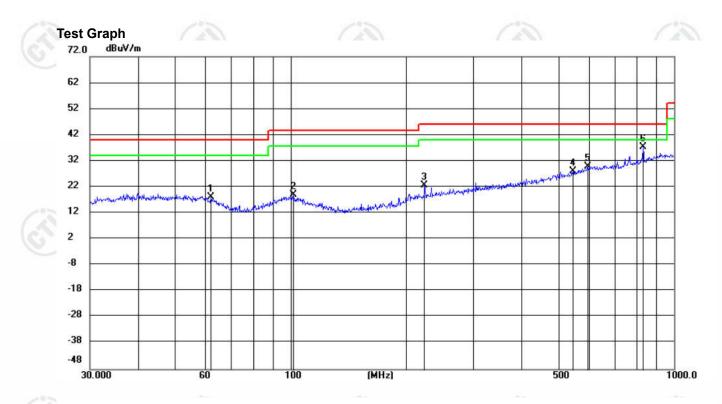


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Radiated Spurious Emission below 1GHz:

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.



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		61.9950	5.15	12.87	18.02	40.00	-21.98	QP	200	356	
2		102.0013	5.40	13.76	19.16	43.50	-24.34	QP	100	262	
3		223.7333	8.02	14.60	22.62	46.00	-23.38	QP	200	356	
4		545.1825	5.42	22.67	28.09	46.00	-17.91	QP	100	130	
5		595.1327	5.93	23.91	29.84	46.00	-16.16	QP	200	27	
6	*	830.4001	10.26	27.00	37.26	46.00	-8.74	QP	100	130	







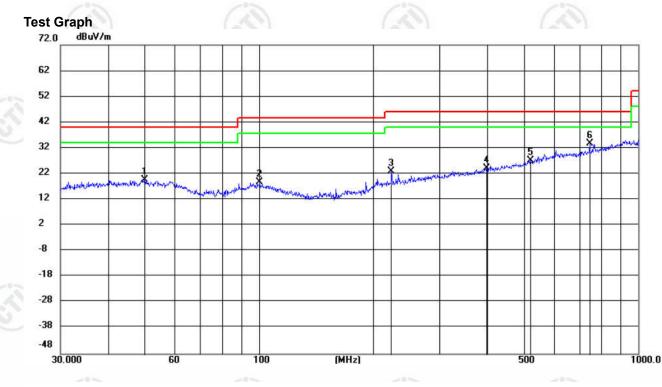








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No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Table Degree	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	50.0566	5.45	14.27	19.72	40.00	-20.28	QP	200	111	
2	100.5806	4.91	13.97	18.88	43.50	-24.62	QP	100	0	
3	223.7333	8.29	14.60	22.89	46.00	-23.11	QP	100	356	
4	399.0302	4.82	19.37	24.19	46.00	-21.81	QP	100	4	
5	520.8882	5.04	22.06	27.10	46.00	-18.90	QP	200	4	
6 *	744.8660	8.21	25.48	33.69	46.00	-12.31	QP	100	37	





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 of was recorded in the report.

le: Freq. [MHz]	Factor	802.11 b Tran	smitting	_	Channe	el:	2412MH	<u>z</u>
	[dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1328.6329	1.15	42.89	44.04	74.00	29.96	PASS	Н	PK
2059.3059	4.75	39.80	44.55	74.00	29.45	PASS	Н	PK
3817.0545	-19.22	56.88	37.66	74.00	36.34	PASS	Н	PK
5911.1941	-13.54	54.08	40.54	74.00	33.46	PASS	Н	PK
7652.3102	-11.13	53.52	42.39	74.00	31.61	PASS	Н	PK
12439.6293	-4.75	50.80	46.05	74.00	27.95	PASS	Н	PK
1331.0331	1.16	45.44	46.60	74.00	27.40	PASS	V	PK
1998.8999	4.54	44.20	48.74	74.00	25.26	PASS	V	PK
3326.0217	-19.90	62.54	42.64	74.00	31.36	PASS	V	PK
4983.1322	-15.88	59.94	44.06	74.00	29.94	PASS	V	PK
5993.1995	-13.00	58.63	45.63	74.00	28.37	PASS	V	PK
8982.3988	-8.60	54.96	46.36	74.00	27.64	PASS	V	PK
	2059.3059 3817.0545 5911.1941 7652.3102 12439.6293 1331.0331 1998.8999 3326.0217 4983.1322 5993.1995	2059.3059 4.75 3817.0545 -19.22 5911.1941 -13.54 7652.3102 -11.13 12439.6293 -4.75 1331.0331 1.16 1998.8999 4.54 3326.0217 -19.90 4983.1322 -15.88 5993.1995 -13.00	2059.30594.7539.803817.0545-19.2256.885911.1941-13.5454.087652.3102-11.1353.5212439.6293-4.7550.801331.03311.1645.441998.89994.5444.203326.0217-19.9062.544983.1322-15.8859.945993.1995-13.0058.63	2059.30594.7539.8044.553817.0545-19.2256.8837.665911.1941-13.5454.0840.547652.3102-11.1353.5242.3912439.6293-4.7550.8046.051331.03311.1645.4446.601998.89994.5444.2048.743326.0217-19.9062.5442.644983.1322-15.8859.9444.065993.1995-13.0058.6345.63	2059.30594.7539.8044.5574.003817.0545-19.2256.8837.6674.005911.1941-13.5454.0840.5474.007652.3102-11.1353.5242.3974.0012439.6293-4.7550.8046.0574.001331.03311.1645.4446.6074.001998.89994.5444.2048.7474.003326.0217-19.9062.5442.6474.004983.1322-15.8859.9444.0674.005993.1995-13.0058.6345.6374.00	2059.30594.7539.8044.5574.0029.453817.0545-19.2256.8837.6674.0036.345911.1941-13.5454.0840.5474.0033.467652.3102-11.1353.5242.3974.0031.6112439.6293-4.7550.8046.0574.0027.951331.03311.1645.4446.6074.0027.401998.89994.5444.2048.7474.0025.263326.0217-19.9062.5442.6474.0031.364983.1322-15.8859.9444.0674.0029.945993.1995-13.0058.6345.6374.0028.37	2059.30594.7539.8044.5574.0029.45PASS3817.0545-19.2256.8837.6674.0036.34PASS5911.1941-13.5454.0840.5474.0033.46PASS7652.3102-11.1353.5242.3974.0031.61PASS12439.6293-4.7550.8046.0574.0027.95PASS1331.03311.1645.4446.6074.0027.40PASS1998.89994.5444.2048.7474.0025.26PASS3326.0217-19.9062.5442.6474.0031.36PASS4983.1322-15.8859.9444.0674.0029.94PASS5993.1995-13.0058.6345.6374.0028.37PASS	2059.30594.7539.8044.5574.0029.45PASSH3817.0545-19.2256.8837.6674.0036.34PASSH5911.1941-13.5454.0840.5474.0033.46PASSH7652.3102-11.1353.5242.3974.0031.61PASSH12439.6293-4.7550.8046.0574.0027.95PASSH1331.03311.1645.4446.6074.0027.40PASSV1998.89994.5444.2048.7474.0025.26PASSV3326.0217-19.9062.5442.6474.0031.36PASSV4983.1322-15.8859.9444.0674.0029.94PASSV5993.1995-13.0058.6345.6374.0028.37PASSV

	10 million - 10 mi				10-					
	Mode	:		802.11 b Tran	smitting		Channe	el:	2437MH	z
2	NO	Freq. [MHz]	Facto [dB]	r Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	1329.0329	1.16	42.78	43.94	74.00	30.06	PASS	Н	PK
	2	1755.4755	3.13	40.11	43.24	74.00	30.76	PASS	Н	PK
	3	4388.0925	-17.07	7 55.13	38.06	74.00	35.94	PASS	Н	PK
	4	6250.2167	-13.06	5 52.96	39.90	74.00	34.10	PASS	Н	PK
	5	8571.3714	-10.41	l 51.92	41.51	74.00	32.49	PASS	Н	PK
0	6	11815.5877	-6.07	51.36	45.29	74.00	28.71	PASS	Н	PK
	7	1327.8328	1.15	43.89	45.04	74.00	28.96	PASS	V	PK
2	8	1991.0991	4.50	45.41	49.91	74.00	24.09	PASS	V	PK
	9	4798.1199	-16.24	4 62.01	45.77	74.00	28.23	PASS	V	PK
	10	5993.1995	-13.00) 58.28	45.28	74.00	28.72	PASS	V	PK
	11	8986.3991	-8.57	54.39	45.82	74.00	28.18	PASS	V	PK
	12	11983.5989	-5.35	52.50	47.15	74.00	26.85	PASS	V	PK
							1		1 1	















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		802.11 b Tran	smitting		Chann	el:	2462MH	Z
Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1327.6328	1.15	45.18	46.33	74.00	27.67	PASS	Н	PK
1939.8940	4.24	39.21	43.45	74.00	30.55	PASS	Н	PK
4406.0937	-17.04	54.65	37.61	74.00	36.39	PASS	Н	PK
6327.2218	-12.90	52.80	39.90	74.00	34.10	PASS	Н	PK
7754.3170	-11.22	52.32	41.10	74.00	32.90	PASS	Н	PK
11894.593	-5.85	50.86	45.01	74.00	28.99	PASS	Н	PK
1328.4328	1.15	44.84	45.99	74.00	28.01	PASS	V	PK
1994.0994	4.52	45.90	50.42	74.00	23.58	PASS	V	PK
3990.0660	-18.91	59.70	40.79	74.00	33.21	PASS	V	PK
4798.1199	-16.24	59.85	43.61	74.00	30.39	PASS	V	PK
5989.1993	-13.03	60.05	47.02	74.00	26.98	PASS	V	PK
8983.3989	-8.59	53.98	45.39	74.00	28.61	PASS	V	PK
	Freq. [MHz] 1327.6328 1939.8940 4406.0937 6327.2218 7754.3170 11894.593 1328.4328 1994.0994 3990.0660 4798.1199 5989.1993	Freq. [MHz]Factor [dB]1327.63281.151939.89404.244406.0937-17.046327.2218-12.907754.3170-11.2211894.593-5.851328.43281.151994.09944.523990.0660-18.914798.1199-16.245989.1993-13.03	Freq. [MHz]Factor [dB]Reading [dBµV]1327.63281.1545.181939.89404.2439.214406.0937-17.0454.656327.2218-12.9052.807754.3170-11.2252.3211894.593-5.8550.861328.43281.1544.841994.09944.5245.903990.0660-18.9159.704798.1199-16.2459.855989.1993-13.0360.05	Freq. [MHz]Factor [dB]Reading [dBµV]Level [dBµV/m]1327.63281.1545.1846.331939.89404.2439.2143.454406.0937-17.0454.6537.616327.2218-12.9052.8039.907754.3170-11.2252.3241.1011894.593-5.8550.8645.011328.43281.1544.8445.991994.09944.5245.9050.423990.0660-18.9159.7040.794798.1199-16.2459.8543.615989.1993-13.0360.0547.02	Freq. [MHz]Factor [dB]Reading [dBµV]Level [dBµV/m]Limit [dBµV/m]1327.63281.1545.1846.3374.001939.89404.2439.2143.4574.004406.0937-17.0454.6537.6174.006327.2218-12.9052.8039.9074.007754.3170-11.2252.3241.1074.0011894.593-5.8550.8645.0174.001328.43281.1544.8445.9974.001994.09944.5245.9050.4274.003990.0660-18.9159.7040.7974.004798.1199-16.2459.8543.6174.005989.1993-13.0360.0547.0274.00	Freq. [MHz]Factor [dB]Reading [dBµV]Level [dBµV/m]Limit [dBµV/m]Margin [dB]1327.63281.1545.1846.3374.0027.671939.89404.2439.2143.4574.0030.554406.0937-17.0454.6537.6174.0036.396327.2218-12.9052.8039.9074.0034.107754.3170-11.2252.3241.1074.0032.9011894.593-5.8550.8645.0174.0028.991328.43281.1544.8445.9974.0028.011994.09944.5245.9050.4274.0023.583990.0660-18.9159.7040.7974.0030.395989.1993-13.0360.0547.0274.0026.98	Freq. [MHz]Factor [dB]Reading [dBµV]Level [dBµV]Limit [dBµV/m]Margin [dB]Result1327.63281.1545.1846.3374.0027.67PASS1939.89404.2439.2143.4574.0030.55PASS4406.0937-17.0454.6537.6174.0036.39PASS6327.2218-12.9052.8039.9074.0034.10PASS7754.3170-11.2252.3241.1074.0032.90PASS11894.593-5.8550.8645.0174.0028.99PASS1328.43281.1544.8445.9974.0028.01PASS1994.09944.5245.9050.4274.0023.58PASS3990.0660-18.9159.7040.7974.0030.31PASS4798.1199-16.2459.8543.6174.0030.39PASS5989.1993-13.0360.0547.0274.0026.98PASS	Freq. [MHz]Factor [dB]Reading [dBµV]Level [dBµV/m]Limit [dBµV/m]Margin [dB]ResultPolarity1327.63281.1545.1846.3374.0027.67PASSH1939.89404.2439.2143.4574.0030.55PASSH4406.0937-17.0454.6537.6174.0036.39PASSH6327.2218-12.9052.8039.9074.0034.10PASSH11894.593-5.8550.8645.0174.0032.90PASSH1328.43281.1544.8445.9974.0028.01PASSV1994.09944.5245.9050.4274.0023.58PASSV3990.0660-18.9159.7040.7974.0030.39PASSV5989.1993-13.0360.0547.0274.0026.98PASSV

	Mode	:		802.11 n(HT40) Transmitting		Channe	el:	2422MHz	
	NO	Freq. [MHz]	Facto [dB]			Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	1196.0196	0.80	40.	71	41.51	74.00	32.49	PASS	Н	PK
6.75	2	1868.6869	3.80	39.	76	43.56	74.00	30.44	PASS	Н	PK
<	3	4989.1326	-15.8	6 54.0	53	38.77	74.00	35.23	PASS	Н	PK
	4	7104.2736	-11.5	9 52.	16	40.57	74.00	33.43	PASS	Н	PK
	5	9663.4442	-7.57	7 51.0)5	43.48	74.00	30.52	PASS	Н	PK
	6	13708.7139	-1.76	6 51.3	35	49.59	74.00	24.41	PASS	Н	PK
	7	1116.0116	0.84	40.	78	41.62	74.00	32.38	PASS	V	PK
	8	1740.6741	3.08	39.	16	42.24	74.00	31.76	PASS	V	PK
	9	4797.1198	-16.2	4 60.	12	43.88	74.00	30.12	PASS	V	PK
	10	5995.1997	-12.9	9 58.	75	45.76	74.00	28.24	PASS	V	PK
	11	8997.3998	-8.49	53.	56	45.07	74.00	28.93	PASS	V	PK
3	12	13712.7142	-1.75	5 51.	10	49.35	74.00	24.65	PASS	V	PK
<u>></u>	1		62)		6		6)		(c)















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		100			10-					0 Mar.	
	Mode	:		802	2.11 n(HT40)	Transmitting		Channe	el:	2437MHz	
	NO	Freq. [MHz]	Facto [dB]	r	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
-	1	1331.4331	1.16		40.42	41.58	74.00	32.42	PASS	Н	PK
	2	1855.2855	3.69		39.20	42.89	74.00	31.11	PASS	Н	PK
	3	3781.0521	-19.3	7	56.60	37.23	74.00	36.77	PASS	Н	PK
	4	5831.1887	-13.5	8	53.31	39.73	74.00	34.27	PASS	Н	PK
	5	9824.4550	-7.30)	50.49	43.19	74.00	30.81	PASS	Н	PK
	6	12489.6326	-4.82	2	50.61	45.79	74.00	28.21	PASS	Н	PK
	7	1279.4279	1.01		40.38	41.39	74.00	32.61	PASS	V	PK
	8	1906.8907	4.07		39.68	43.75	74.00	30.25	PASS	V	PK
	9	4791.1194	-16.2	6	62.19	45.93	74.00	28.07	PASS	V	PK
	10	5992.1995	-13.0	1	58.60	45.59	74.00	28.41	PASS	V	PK
	11	8983.3989	-8.59)	53.96	45.37	74.00	28.63	PASS	V	PK
	12	12432.6288	-4.74	F	50.53	45.79	74.00	28.21	PASS	V	PK
										·	

Mode	:	8	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	1109.6110	0.85	41.12	41.97	74.00	32.03	PASS	Н	PK
2	1629.2629	2.48	40.28	42.76	74.00	31.24	PASS	Н	PK
3	4689.1126	-16.59	54.02	37.43	74.00	36.57	PASS	Н	PK
4	6432.2288	-12.81	53.30	40.49	74.00	33.51	PASS	Н	PK
5	8604.3736	-10.34	52.06	41.72	74.00	32.28	PASS	Н	PK
6	11320.5547	-6.53	51.11	44.58	74.00	29.42	PASS	Н	PK
7	1164.6165	0.82	40.77	41.59	74.00	32.41	PASS	V	PK
8	1752.4752	3.12	39.45	42.57	74.00	31.43	PASS	V	PK
9	3823.0549	-19.21	57.86	38.65	74.00	35.35	PASS	V	PK
10	5998.1999	-12.97	59.20	46.23	74.00	27.77	PASS	V	PK
11	8983.3989	-8.59	53.89	45.30	74.00	28.70	PASS	V	PK
12	12544.6363	-4.51	49.98	45.47	74.00	28.53	PASS	V	PK

Remark:

1) 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.









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Restricted bands:



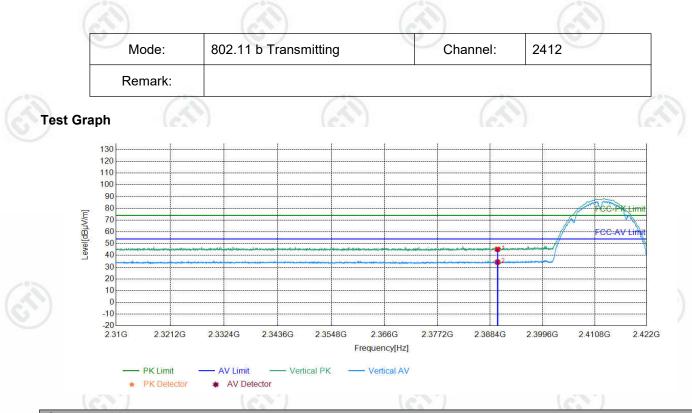


Test plot as follows:

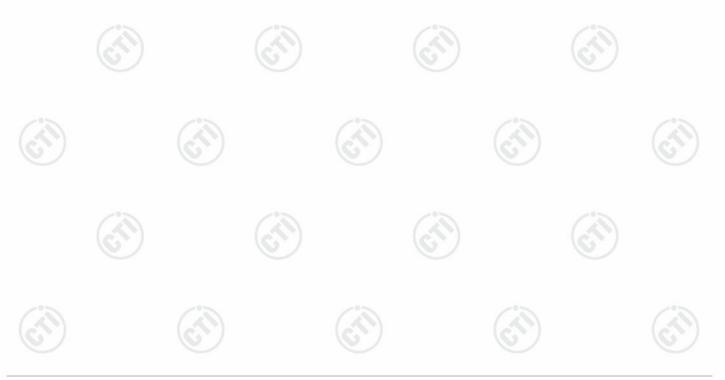
	Mode:	80	2.11 b Tran	smitting		Channel:	2412	2	(g)
	Remark:			Sintung		Channel.	2412	<u>~</u>	
	Remark.		10		10			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
Test G	raph								
	130								
	120 110								
	100 90								
[unity]	80 70							FC-PAL	mit
	60 50 50						1	FCC AV LI	mit
	40 30	9 - 1998 - Jan Jan Jan Barran - 1996 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 19					2		
	20 10								
	-10								
	-20 2.31G 2.321	12G 2.33	24G 2.3436G	2.3548G	2.366G 2.377	2G 2.3884	G 2.3996G	2.4108G	2.422G
				Free	uency[Hz]				
	PK Limit			Free	uency[Hz] — Horizontal AV				
	──── PK Limit ★ PK Dete		V Limit H AV Detector						
Suspe		ector *		lorizontal PK —		(c	81)		(67)
Suspe NO	Cted List Freq.		AV Detector Reading	Level	- Horizontal AV	Margin	Result	Polarity	Rema
NO	★ PK Dete	Factor [dB]	AV Detector Reading [dBµV]	Level [dBµV/m]	Limit	Margin [dB]	Result		
	Cted List Freq.	Factor	AV Detector Reading	Level	- Horizontal AV	Margin		Polarity Horizontal Horizontal	Rema PK AV
NO 1	PK Dete	Factor [dB] 5.77	AV Detector Reading [dBµV] 40.02	Level [dBµV/m] 45.79	Limit [dBµV/m] 74.00	Margin [dB] 28.21	Result	Horizontal	PK
NO 1	PK Dete	Factor [dB] 5.77	AV Detector Reading [dBµV] 40.02	Level [dBµV/m] 45.79	Limit [dBµV/m] 74.00	Margin [dB] 28.21	Result	Horizontal	PK
NO 1	PK Dete	Factor [dB] 5.77	AV Detector Reading [dBµV] 40.02	Level [dBµV/m] 45.79	Limit [dBµV/m] 74.00	Margin [dB] 28.21	Result	Horizontal	PK
NO 1	PK Dete	Factor [dB] 5.77	AV Detector Reading [dBµV] 40.02	Level [dBµV/m] 45.79	Limit [dBµV/m] 74.00	Margin [dB] 28.21	Result	Horizontal	PK
NO 1	PK Dete	Factor [dB] 5.77	AV Detector Reading [dBµV] 40.02	Level [dBµV/m] 45.79	Limit [dBµV/m] 74.00	Margin [dB] 28.21	Result	Horizontal	PK



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	Suspec	cted List								
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
(A)	1	2390.0000	5.77	39.41	45.18	74.00	28.82	PASS	Vertical	PK
6	2	2390.0000	5.77	28.52	34.29	54.00	19.71	PASS	Vertical	AV

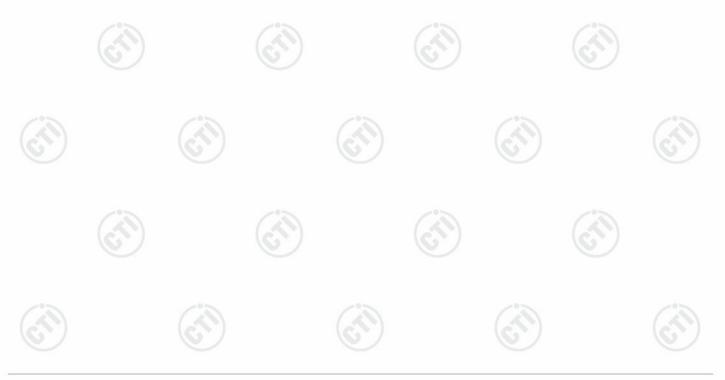




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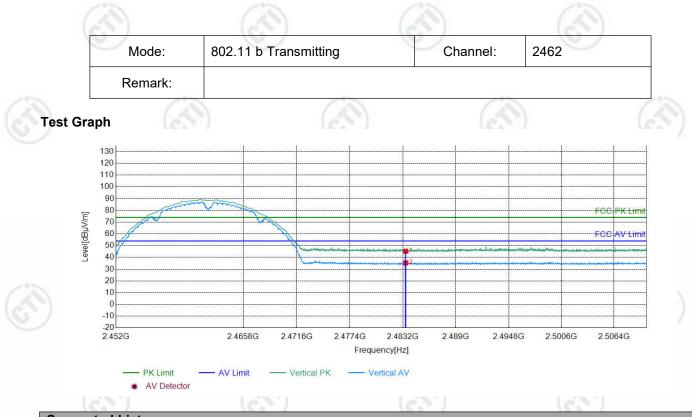


	Suspe	cted List								
100	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
(\mathcal{A})	1	2483.5000	6.57	39.06	45.63	74.00	28.37	PASS	Horizontal	PK
C	2	2483.5000	6.57	27.92	34.49	54.00	19.51	PASS	Horizontal	AV

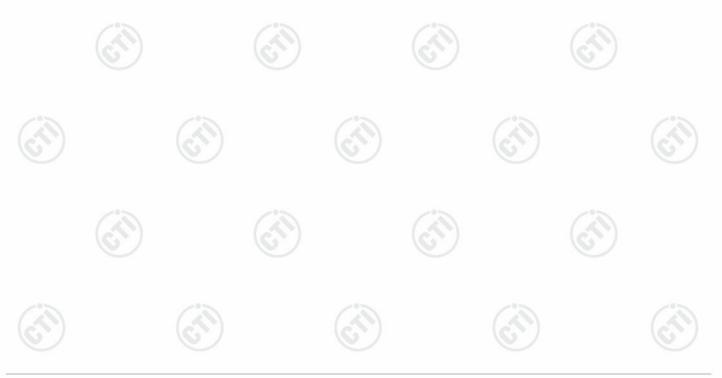




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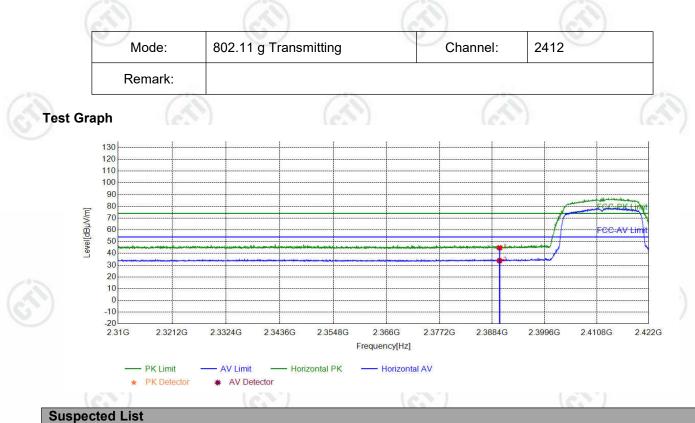


	Suspec	cted List								
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	2483.5000	6.57	38.69	45.26	74.00	28.74	PASS	Vertical	PK
U	2	2483.5000	6.57	28.74	35.31	54.00	18.69	PASS	Vertical	AV

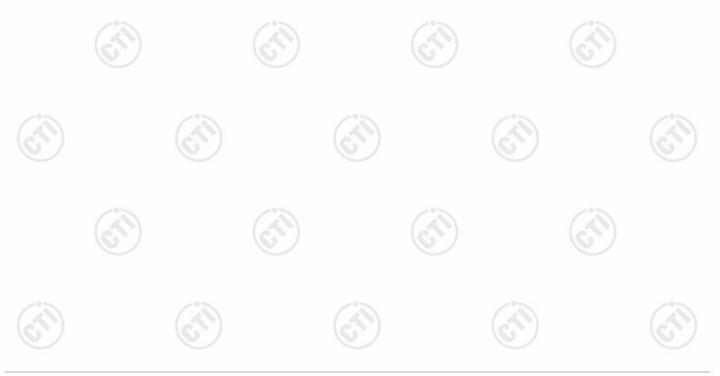




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ouspee									
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390.0000	5.77	39.01	44.78	74.00	29.22	PASS	Horizontal	PK
2	2390.0000	5.77	28.06	33.83	54.00	20.17	PASS	Horizontal	AV
	NO 1	NO [MHz] 1 2390.0000	NO Freq. [MHz] Factor [dB] 1 2390.0000 5.77	NO Freq. [MHz] Factor [dB] Reading [dBμV] 1 2390.0000 5.77 39.01	NO Freq. [MHz] Factor [dB] Reading [dBμV] Level [dBμV/m] 1 2390.0000 5.77 39.01 44.78	NO Freq. [MHz] Factor [dB] Reading [dBμV] Level [dBμV/m] Limit [dBμV/m] 1 2390.0000 5.77 39.01 44.78 74.00	NO Freq. [MHz] Factor [dB] Reading [dBμV] Level [dBμV/m] Limit [dBμV/m] Margin [dB] 1 2390.0000 5.77 39.01 44.78 74.00 29.22	NOFreq. [MHz]Factor [dB]Reading [dBµV]Level [dBµV]Limit [dBµV/m]Margin [dBµV/m]Result12390.00005.7739.0144.7874.0029.22PASS	NOFreq. [MHz]Factor [dB]Reading [dBµV]Level [dBµV/m]Limit [dBµV/m]Margin [dB]ResultPolarity12390.00005.7739.0144.7874.0029.22PASSHorizontal

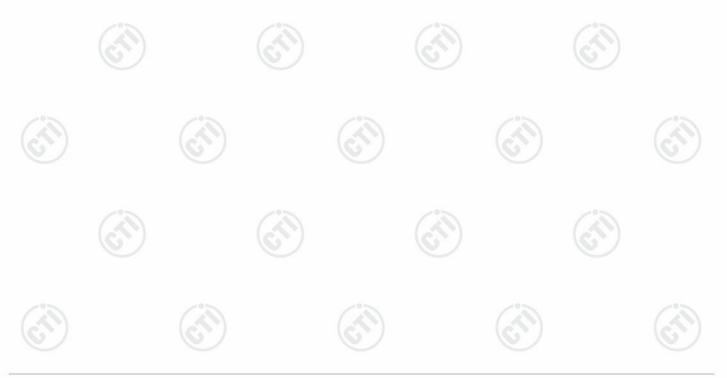




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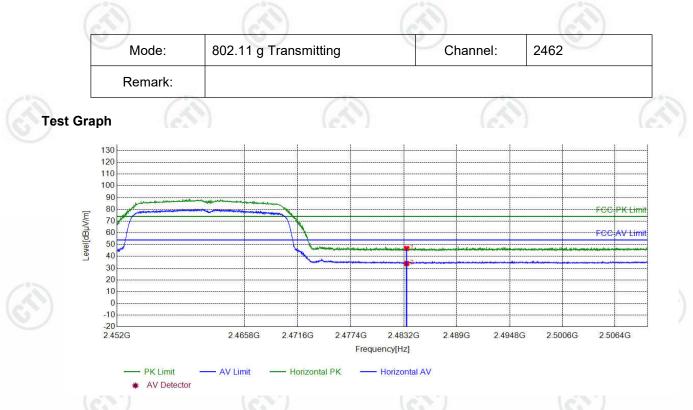


	Suspe	cted List								
100	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
(A)	1	2390.0000	5.77	27.90	33.67	54.00	20.33	PASS	Vertical	AV
6	2	2390.0000	5.77	38.95	44.72	74.00	29.28	PASS	Vertical	PK

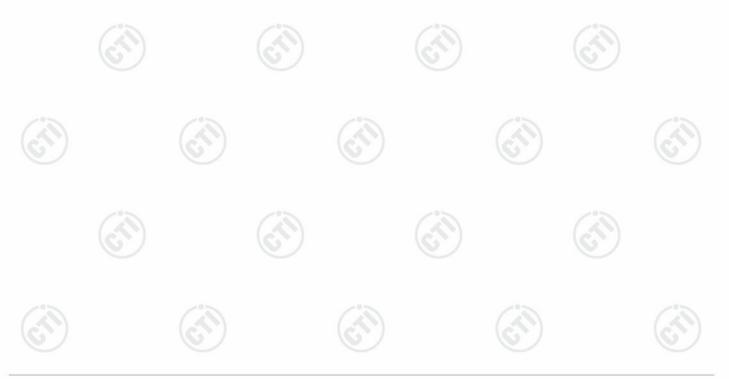




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		1. 1							10.0 /		
	Suspec	cted List									
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
(\mathcal{A})	1	2483.5000	6.57	40.23	46.80	74.00	27.20	PASS	Horizontal	PK	
C	2	2483.5000	6.57	27.38	33.95	54.00	20.05	PASS	Horizontal	AV	





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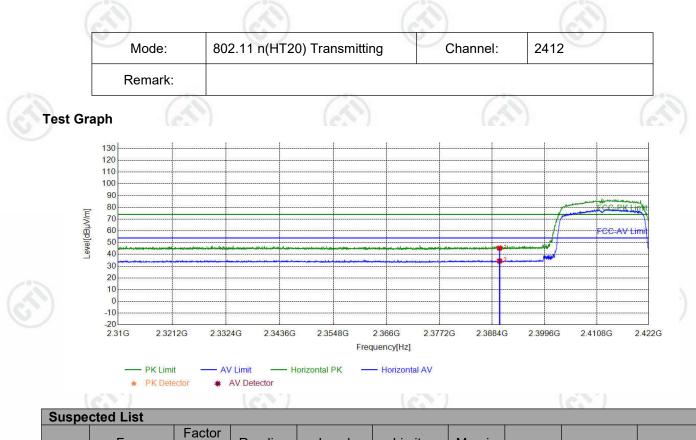


	Suspec	cted List								
100	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
(\mathcal{A})	1	2483.5000	6.57	40.61	47.18	74.00	26.82	PASS	Vertical	PK
C	2	2483.5000	6.57	27.84	34.41	54.00	19.59	PASS	Vertical	AV

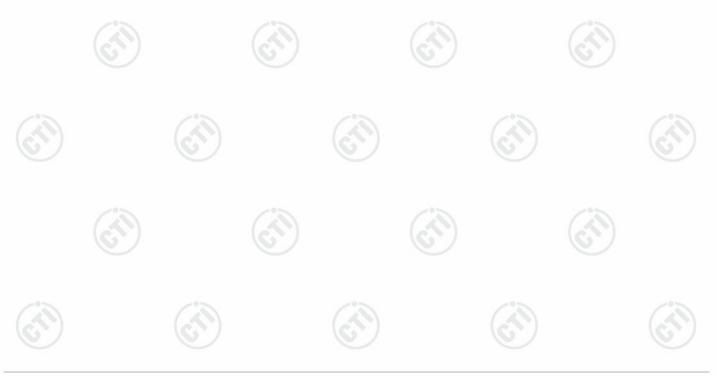




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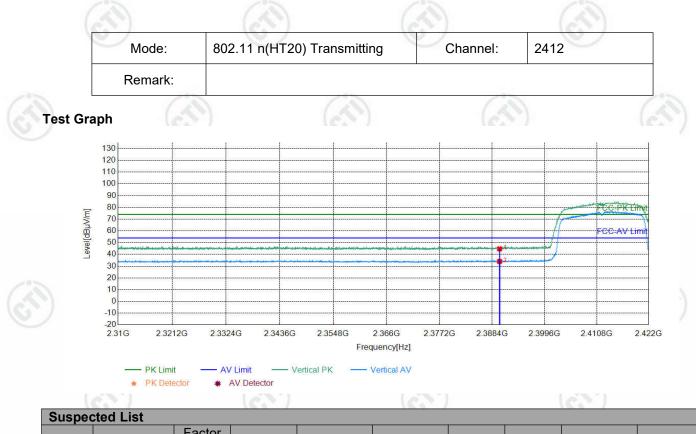


~~~	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
$(\mathcal{A})$	1	2390.0000	5.77	39.59	45.36	74.00	28.64	PASS	Horizontal	PK
6	2	2390.0000	5.77	28.61	34.38	54.00	19.62	PASS	Horizontal	AV

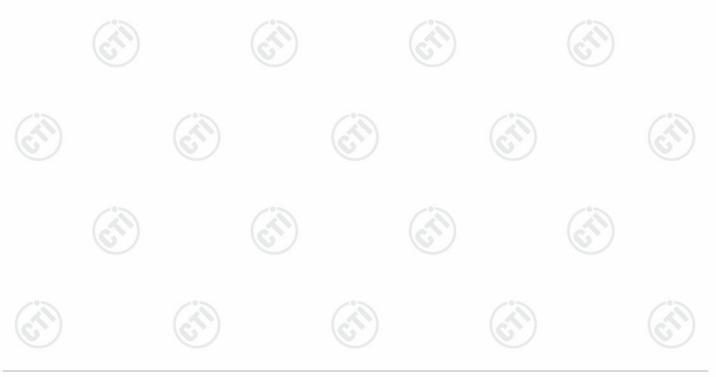




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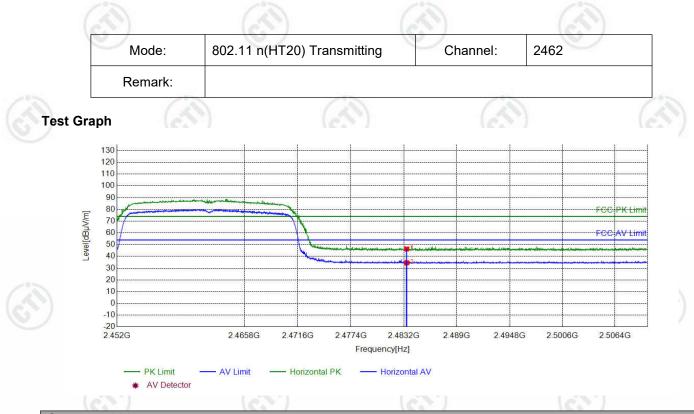


~~~	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
(A)	1	2390.0000	5.77	38.95	44.72	74.00	29.28	PASS	Vertical	PK
6	2	2390.0000	5.77	28.23	34.00	54.00	20.00	PASS	Vertical	AV

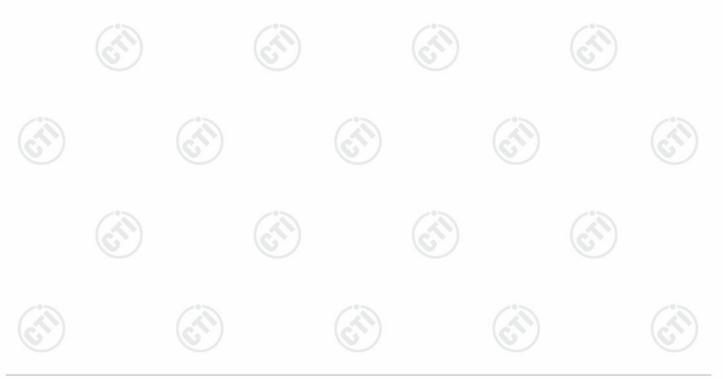




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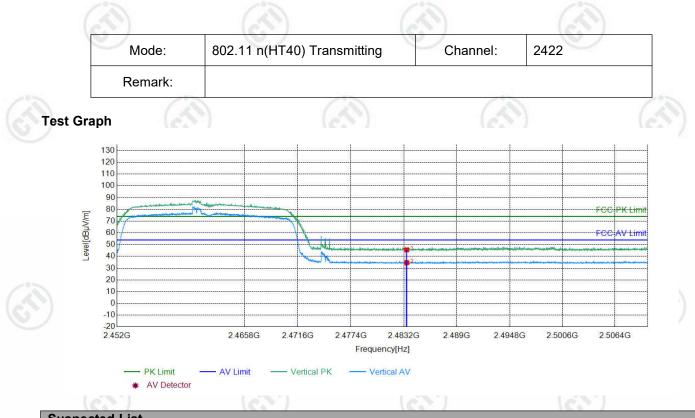


	Suspec	cted List								
~	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
(X	1	2483.5000	6.57	39.79	46.36	74.00	27.64	PASS	Horizontal	PK
C.	2	2483.5000	6.57	28.02	34.59	54.00	19.41	PASS	Horizontal	AV

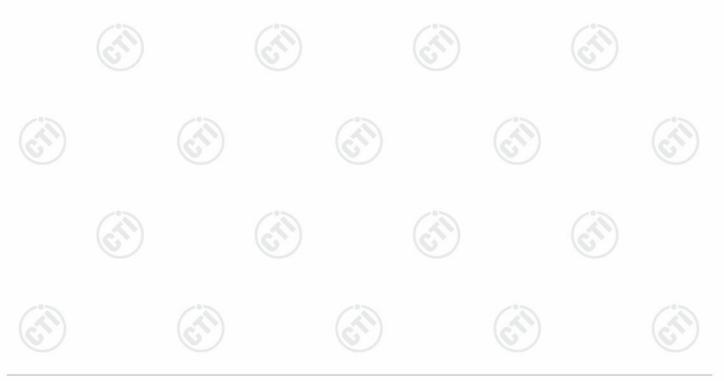




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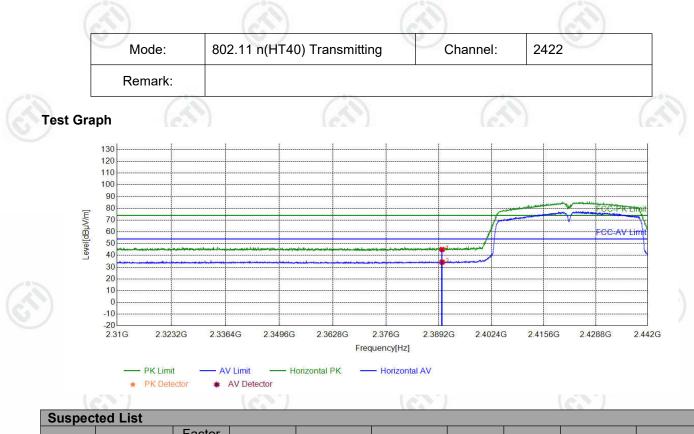


	Suspe	cted List								
~~~	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
$(\mathcal{A})$	1	2483.5000	6.57	39.09	45.66	74.00	28.34	PASS	Vertical	PK
6	2	2483.5000	6.57	28.09	34.66	54.00	19.34	PASS	Vertical	AV

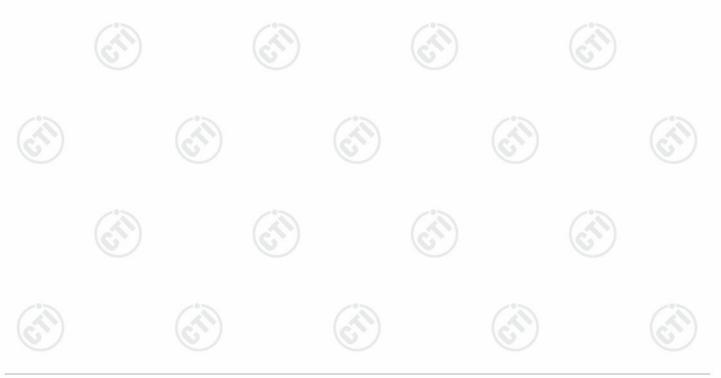




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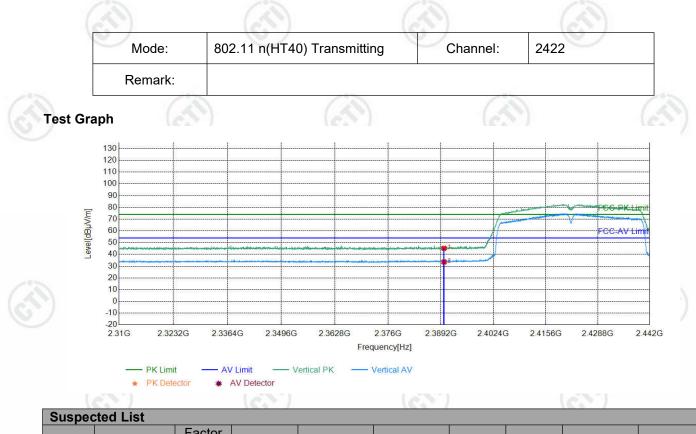


NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark		
1	2390.0000	5.77	39.29	45.06	74.00	28.94	PASS	Horizontal	PK		
2	2390.0000	5.77	28.48	34.25	54.00	19.75	PASS	Horizontal	AV		
		NO         Freq. [MHz]           1         2390.0000	NO         Freq. [MHz]         Factor [dB]           1         2390.0000         5.77	NO         Freq. [MHz]         Factor [dB]         Reading [dBμV]           1         2390.0000         5.77         39.29	NO         Freq. [MHz]         Factor [dB]         Reading [dBμV]         Level [dBμV/m]           1         2390.0000         5.77         39.29         45.06	NO         Freq. [MHz]         Factor [dB]         Reading [dBμV]         Level [dBμV/m]         Limit [dBμV/m]           1         2390.0000         5.77         39.29         45.06         74.00	NO         Freq. [MHz]         Factor [dB]         Reading [dBμV]         Level [dBμV/m]         Limit [dBμV/m]         Margin [dB]           1         2390.0000         5.77         39.29         45.06         74.00         28.94	NO         Freq. [MHz]         Factor [dB]         Reading [dBμV]         Level [dBμV/m]         Limit [dBμV/m]         Margin [dB]         Result           1         2390.0000         5.77         39.29         45.06         74.00         28.94         PASS	NOFreq. [MHz]Factor [dB]Reading [dBµV]Level [dBµV]Limit [dBµV/m]Margin [dBµV/m]ResultPolarity12390.00005.7739.2945.0674.0028.94PASSHorizontal		

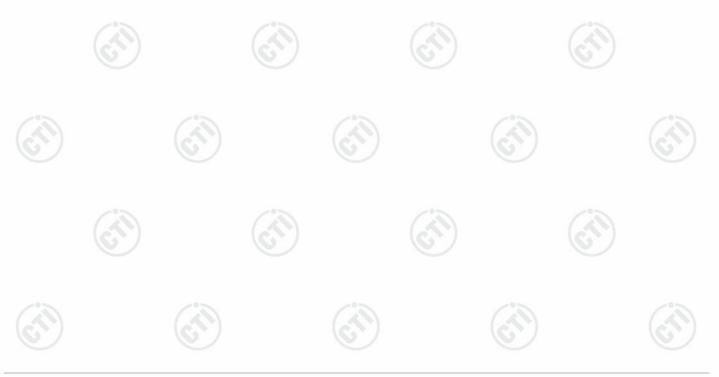




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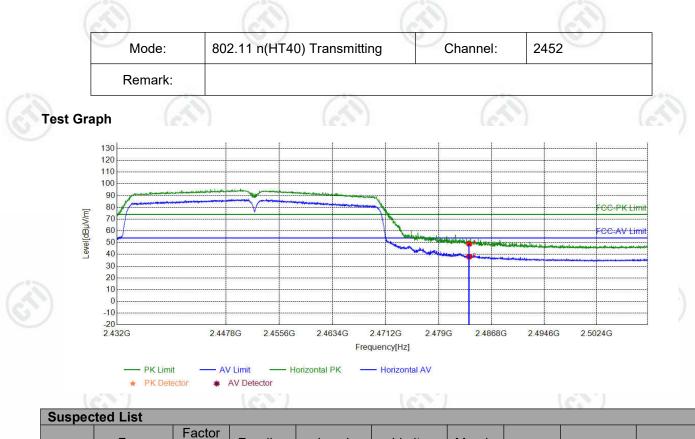


~~~	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
(\mathcal{A})	1	2390.0000	5.77	39.44	45.21	74.00	28.79	PASS	Vertical	PK
C	2	2390.0000	5.77	27.85	33.62	54.00	20.38	PASS	Vertical	AV

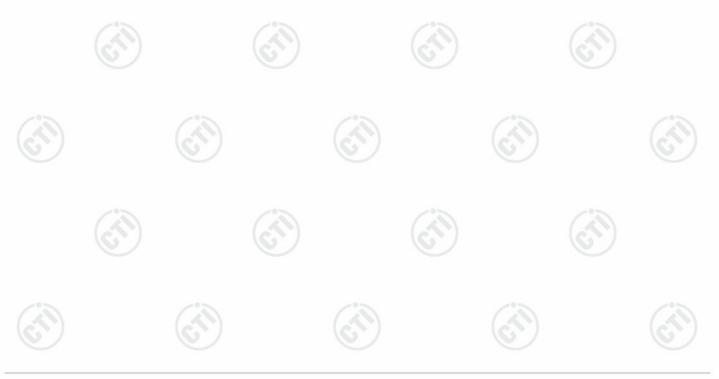




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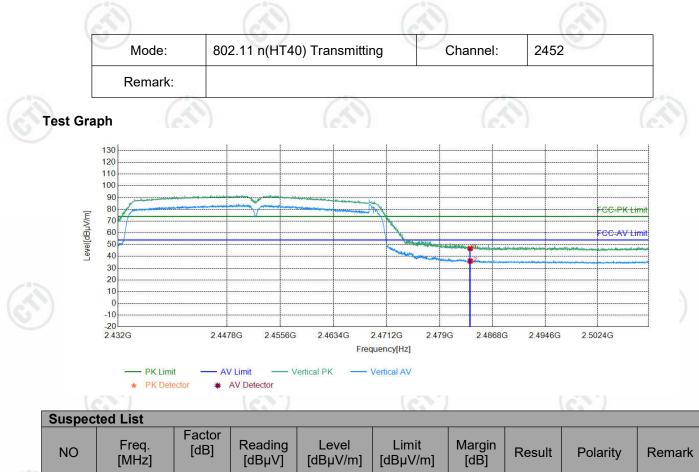


~	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
(A)	1	2483.5000	6.57	42.38	48.95	74.00	25.05	PASS	Horizontal	PK
6	2	2483.5000	6.57	31.47	38.04	54.00	15.96	PASS	Horizontal	AV





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1	NO	Freq. [MHz]	[dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remar
0	1	2483.5000	6.57	40.14	46.71	74.00	27.29	PASS	Vertical	PK
	2	2483.5000	6.57	29.44	36.01	54.00	17.99	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 A

Refer to Appendix: 2.4G WIFI of module 1 of EED32O81173003



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