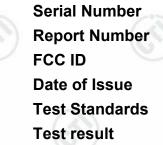






Product Trade mark Model/Type reference



- : Video Encoder
- Kiloview
- : P3, PMD-4G, PMD-5G, PBM-7000
- : N/A
- : EED32Q80470301
- : 2AUYX-P3
- : Jun. 24, 2024
- : 47 CFR Part 15 Subpart C
- : PASS

Prepared for:

ChangSha Kiloview Electronics CO.,LTD. B4-106/109, Jiahua Intelligence Valley Industrial Park, 877 Huijin Road, Yuhua District, Changsha, 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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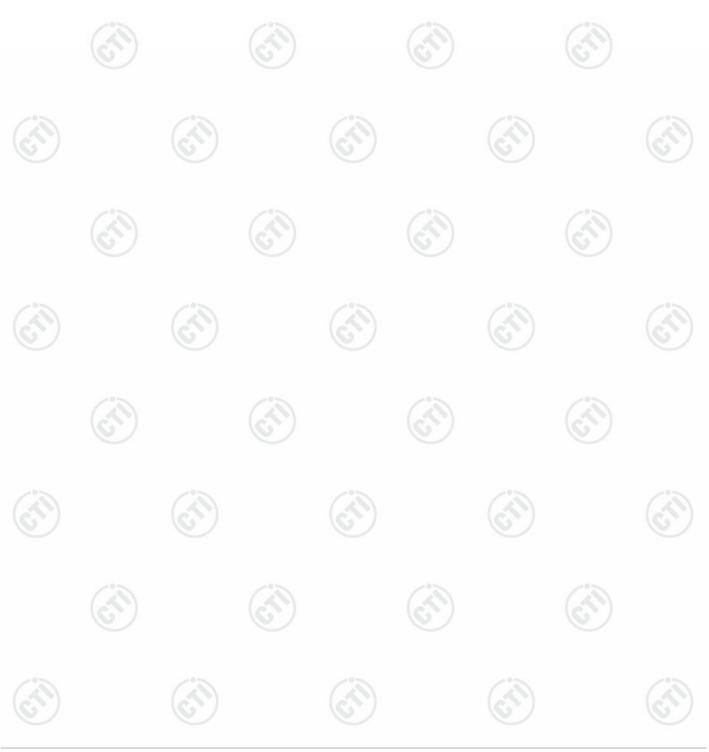
2 Content						
1 COVER PAGE		••••••	••••••	•••••	••••••	••••••
2 CONTENT						
3 VERSION					••••••	
4 TEST SUMMARY						
5 GENERAL INFORMATIC	ON			••••••	••••••	
5.1 CLIENT INFORMATION						
5.2 GENERAL DESCRIPTIC						
5.3 TEST CONFIGURATION 5.4 TEST ENVIRONMENT.						
5.5 DESCRIPTION OF SUP						
5.6 TEST LOCATION						
5.7 MEASUREMENT UNCE	rtainty (95% co	NFIDENCE LEVE	LS, K =2)			
6 EQUIPMENT LIST						
7 TEST RESULTS AND M	EASUREMENT I	DATA		<u> </u>		
7.1 ANTENNA REQUIREME	NIT.					
7.2 AC Power Line Con						
7.3 MAXIMUM CONDUCTE						
7.4 DTS BANDWIDTH						
7.5 MAXIMUM POWER SPI						
7.6 BAND EDGE MEASURI						
7.7 RADIATED SPURIOUS						
8 APPENDIX 2.4G WI-FI						
9 PHOTOGRAPHS OF TE						
10 PHOTOGRAPHS OF E	UT CONSTRUCT	FIONAL DETA	ILS			





3 Version

	Version No.	Date	C	Description	
	00	Jun. 24, 2024		Original	
-	/	2		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	12
	(6	S) (c ^(N)	(c ²)	(2)





et Summary





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lest Summary	Test Deputitions of	Desult	
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 PASS PASS	
DTS Bandwidth	47 CFR Part 15 Subpart C Section 15.247 (a)(2)		
Maximum Conducted Output Power	47 CFR Part 15 Subpart C Section 15.247 (b)(3)		
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. Model: P3, PMD-4G, PMD-5G, PBM-7000

Only the model P3 was tested. They have same electrical, PCB and layout, only the model name, P3 and PMD-4G、PMD-5G、PBM-7000 are different for marketing requirements.





5 General Information

5.1 Client Information

Applicant:	ChangSha Kiloview Electronics CO.,LTD.
Address of Applicant:	B4-106/109, Jiahua Intelligence Valley Industrial Park, 877 Huijin Road, Yuhua District, Changsha, China
Manufacturer:	ChangSha Kiloview Electronics CO.,LTD.
Address of Manufacturer:	B4-106/109, Jiahua Intelligence Valley Industrial Park, 877 Huijin Road, Yuhua District, Changsha, China
Factory:	ChangSha Kiloview Electronics CO.,LTD.
Address of Factory:	B4-106/109, Jiahua Intelligence Valley Industrial Park, 877 Huijin Road, Yuhua District, Changsha, China

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5.2 General Description of EUT

Product Name:	Video Enco	ler					
Model No.:	P3, PMD-40	G, PMD-5G, PBM-7000					
Test Model No.:	P3	P3					
Trade mark:	Kiloview	<u> </u>	(C)	C.			
Product Type:	Mobile	🗌 Portable 🛛 Fixe	ed Location				
Operation Frequency:		IEEE 802.11b/g/n(HT20): 2412MHz to 2462MHz IEEE 802.11n(HT40): 2422MHz to 2452MHz					
Modulation Type:	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	$(\mathcal{C}^{\mathcal{T}})$	(CN)	(6)			
Antenna Type:	PIFA Antenr	na		U			
Antenna Gain:	0.4dBi						
Power Supply:	Adapter:	INPUT: 100-240V 5 OUTPUT:12V/3A 30		2			
G	Battery	7.2V	6)			
Test Voltage:	DC 12V						
Sample Received Date:	Apr. 12, 202	4					
Sample tested Date:	Apr. 22, 202	4 to Jun. 14, 2024					
(2)		(A)	$(c^{(n)})$	60			









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 chann	el (802.11n HT	40)			
Channel	Frequ	ency	Channel	Frequenc	cy Cha	nnel F	requency
3	24221	MHz	6	2437MH	z 🤅		2452MHz
4	24271	MHz	7	2442MH	z		
5	2432	MHz	8	2447MH	7		

Note:

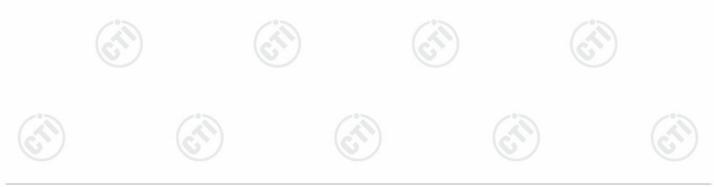
In section 15.31(m), regards to the operating frequency range over 10 MHz, the lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

802.11b/g/n (HT20):

Frequency
2412MHz
2437MHz
2462MHz

802.11n (HT40):

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







5.3 Test Configuration

EUT Test Software Settings:	:	
Software:	Xshell 7	
EUT Power Grade:	Default	
Use test software to set the lo transmitting of the EUT.	west frequency, the middle frequer	ncy and the highest frequency keep
Test Mode:		
the EUT in transmitting operat	tion and function in typical operatio ion, which was shown in this test re e in lowest channel, and found th	
was worst case.		
Mode		Data rate
802.11	D	1Mbps
802.11		6Mbps
	T20)	
802.11n(H	120)	6.5Mbps

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 Environmen	t:				
- 60	Radiated Spurious Emi	issions:				
19	Temperature:	22~25.0 °C		(2)		(2)
2	Humidity:	50~55 % RH		C		C
	Atmospheric Pressure:	1010mbar				
	Conducted Emissions:					
	Temperature:	22~25.0 °C				
	Humidity:	50~55 % RH	(\mathcal{O})		(\mathcal{O})	
	Atmospheric Pressure:	1010mbar				
	RF Conducted:					
	Temperature:	22~25.0 °C		(:D)		13
	Humidity:	50~55 % RH		(2)		(c^{γ})
~	Atmospheric Pressure:	1010mbar		U		U

5.5 Description of Support Units

The EUT has been tested with associated equipment below.

Description	Manufacturer	Model No.	Certification	Supplied by
Adapter	/	DSA-36PFN-	FCC&CE	ChangSha
		12FCA 120300		Kiloview
	S.	G	G	Electronics
				CO.,LTD.
Netbook	ASUSTek	/	FCC&CE	СТІ
Netbook	HP	HP ZHAN 66 PRO	FCC&CE	СТІ
6	6.	14 G4		

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





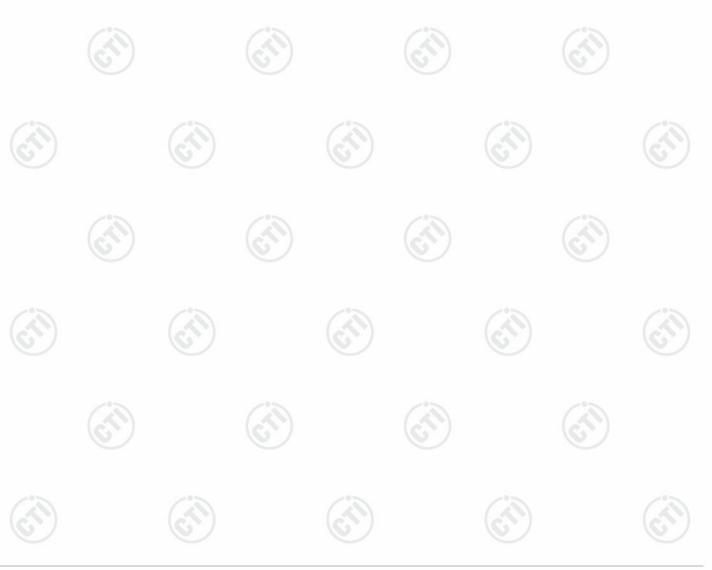




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5.7 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9 x 10 ⁻⁸
2	PE nower, conducted	0.46dB (30MHz-1GHz)
2	RF power, conducted	0.55dB (1GHz-40GHz)
	3.3dB (9kHz-30MHz)	
3	Padiated Spurious amission test	4.3dB (30MHz-1GHz)
3	Radiated Spurious emission test	4.5dB (1GHz-18GHz)
a		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

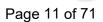
					2 /
	T	RF te	st system		
Equipment	Manufacturer	Manufacturer Model No.		Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Communication test set	R&S	CMW500	107929	06-28-2023	06-27-2024
Signal Generator	R&S	SMBV100A	1407.6004K02- 262149-CV	09-05-2023	09-04-2024
Spectrum Analyzer	R&S	FSV40	101200	07-25-2023	07-24-2024
RF control unit(power unit)	MW/RE-test		MW220620CTI-42	06-28-2023	06-27-2024
High-low temperature test chamber	temperature Oin Zhuo		QZ20150611879	11-12-2023	12-10-2024
Temperature/ Humidity Indicator	biaozhi	HM10	1804186	05-29-2024	05-28-2025
BT&WI-FI Automatic test software	MWRF-test	MTS 8310	V2.0.0.0	(9
Spectrum Analyzer	R&S	FSV3044	101509	01-17-2024	01-16-2025

			Serial	Cal. date	Cal. Due dat	
Equipment	Manufacturer	Model No.	Number	(mm-dd-yyyy)	(mm-dd-yyyy)	
Receiver	R&S	ESCI	100435	04-18-2024	04-17-2025	
Temperature/ Humidity	Defu	TH128		05-04-2023	05-03-2024	
Indicator	Delu	11120	/	04-25-2024	04-24-2025	
	R&S	ENV216	100098	09-22-2023	09-21-2024	
Barometer	changchun	DYM3	1188			
Test software	Fara	EZ-EMC	EMC-CON 3A1.1			









Equipment	Manufacturer	Model	Serial No.	Cal. Date	Due Date
3M Chamber & Accessory Equipment	ток	SAC-3		05/22/2022	05/21/2025
Receiver	R&S	ESCI7	100938-003	09/22/2023	09/21/2024
TRILOG Broadband Antenna	schwarzbeck	VULB 9163	9163-618	05/22/2022	05/21/2025
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-076	04/16/2024	04/15/2025
Multi device Controller	maturo	NCD/070/10711112		<u>I</u>	6
Horn Antenna	ETS-LINGREN	BBHA 9120D	9120D-1869	04/16/2024	04/15/2025
Microwave Preamplifier	Agilent	8449B	3008A02425	06/20/2023 06/13/2024	06/19/2024 06/12/2025
Test software	Fara	EZ-EMC	EMEC-3A1-Pre		U























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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		(2
Receiver	Keysight	N9038A	MY57290136	01-09-2024	01-08-2025
Spectrum Analyzer	Keysight	N9020B	MY57111112	01-19-2024	01-18-2025
Spectrum Analyzer	Keysight	N9030B	MY57140871	01-13-2024	01-12-2025
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-30-2021 04-28-2024	04-29-2024 04-27-2025
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-16-2024	04-15-2025
Horn Antenna	ETS-LINDGREN	3117	57407	07-04-2021	07-03-2024
Preamplifier	EMCI	EMC184055SE	980597	04-12-2024	04-11-2025
Preamplifier	EMCI	EMC001330	980563	03-08-2024	03-07-2025
Preamplifier	JS Tonscend	TAP-011858	AP21B806112	07-25-2023	07-24-2024
Communication test set	R&S	CMW500	102898	12-14-2023	12-13-2024
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	04-07-2024	04-06-2025
Fully Anechoic Chamber	ток	FAC-3		01-09-2024	01-08-2027
Cable line	Times	SFT205-NMSM-2.50M	394812-0001	(- 6
Cable line	Times	SFT205-NMSM-2.50M	394812-0002		\mathcal{O}
Cable line	Times	SFT205-NMSM-2.50M	394812-0003		
Cable line	Times	SFT205-NMSM-2.50M	393495-0001		(2
Cable line	Times	EMC104-NMNM-1000	SN160710		
Cable line	Times	SFT205-NMSM-3.00M	394813-0001		
Cable line	Times	SFT205-NMNM-1.50M	381964-0001	6	<u> </u>
Cable line	Times	SFT205-NMSM-7.00M	394815-0001		·
Cable line	Times	HF160-KMKM-3.00M	393493-0001		





7 Test results and Measurement Data

7.1 Antenna Requirement

S	Standard requirement:	47 CFR Part 15C Section 15.203 /247(c)							
1	15.203 requirement:								
A re s e 1 T a s p	An intentional radiator shall be esponsible party shall be us intenna that uses a unique of that a broken antenna can electrical connector is prohib 5.247(b) (4) requirement: The conducted output power intennas with directional gai section, if transmitting anten power from the intentional ra	r limit specified in paragraph (b) of this section is based on the use of ins that do not exceed 6 dBi. Except as shown in paragraph (c) of this nas of directional gain greater than 6 dBi are used, the conducted output adiator 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.								
E	EUT Antenna:	Please see Internal photos							
Т	he antenna is PIFA antenn	a. The best case gain of the antenna is 0.4dBi.							
	(25) ((I) (I) (I)							













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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	e: 150kHz to 30MHz								
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto								
Limit:	(5)	Limit ((dBuV)						
	Frequency range (MHz)	Quasi-peak	Average						
	0.15-0.5	66 to 56*	56 to 46*						
	0.5-5	46							
	5-30	56 60	50						
	* Decreases with the logarithr								
Test Setup:	Shielding Room	AE	Test Receiver						
Test Procedure:	 impedance. The power connected to a second LIS plane in the same way a multiple socket outlet strip single LISN provided the r 3) The tabletop EUT was pla ground reference plane. A placed on the horizontal g 4) The test was performed with the EUT shall be 0.4 m vertical ground reference plane. The LISI unit under test and bor 	I to AC power source letwork) which provide cables of all other SN 2, which was bond as the LISN 1 for the owas used to connect rating of the LISN was aced upon a non-met and for floor-standing a round reference plane ith a vertical ground re- from the vertical groue a plane was bonded N 1 was placed 0.8 m nded to a ground re- pund reference plane. LISN 1 and the EUT. t was at least 0.8 m fro- um emission, the relation	e through a LISN 1 (Line es a $50\Omega/50\mu$ H + 5Ω linea 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 arrangement, the EUT was be ference plane. The rear of und reference plane. The to the horizontal ground from the boundary of the efference plane for LISNs This distance was between All other units of the EUT om the LISN 2. tive positions of equipmen						
Test Mode:	ANSI C63.10: 2013 on con All modes were tested, only the 802.11b was recorded in the	he worse case lowest							

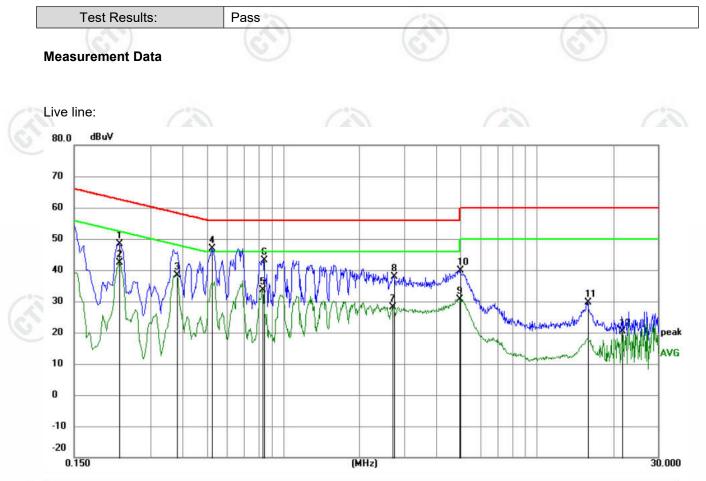






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3	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
			MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
	1		0.2265	38.44	9.82	48.26	62.58	-14.32	QP	
	2		0.2265	32.68	9.82	42.50	52.58	-10.08	AVG	
	3		0.3795	28.65	9.74	38.39	48.29	-9.90	AVG	
	4	*	0.5235	37.18	9.73	46.91	56.00	-9.09	QP	
5 	5		0.8295	23.82	9.79	33.61	46.00	-12.39	AVG	
<u> </u>	6		0.8430	33.43	9.79	43.22	56.00	-12.78	QP	
-	7		2.7060	18.48	9.77	28.25	46.00	-17.75	AVG	
5	8		2.7239	28.14	9.77	37.91	56.00	-18.09	QP	
-	9		4.9470	20.87	9.84	30.71	46.00	-15.29	AVG	
_	10		4.9920	30.16	9.84	40.00	56.00	-16.00	QP	
85	11		15.8460	19.63	9.88	29.51	60.00	-30.49	QP	
-	12		21.6645	10.32	10.00	20.32	50.00	-29.68	AVG	

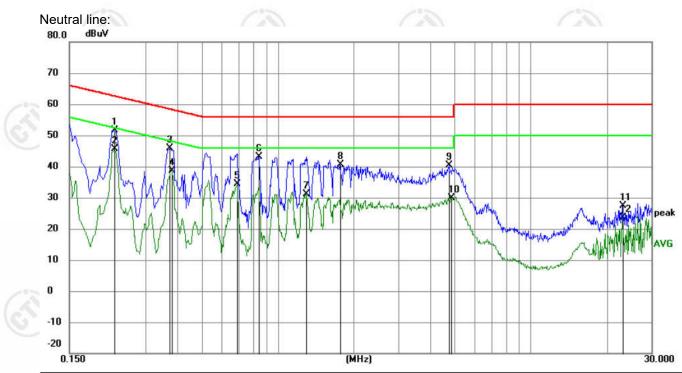
Remark:

- 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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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2265	41.74	9.82	51.56	62.58	-11.02	QP	
2	*	0.2265	35.74	9.82	45.56	52.58	-7.02	AVG	
3		0.3750	36.11	9.73	45.84	58.39	-12.55	QP	
4		0.3795	29.00	9.74	38.74	48.29	-9.55	AVG	
5		0.6900	24.43	9.96	34.39	46.00	-11.61	AVG	
6		0.8430	33.30	9.79	43.09	56.00	-12.91	QP	
7		1.2930	21.31	9.74	31.05	46.00	-14.95	AVG	
8		1.7655	30.88	9.75	40.63	56.00	-15.37	QP	
9		4.7625	30.58	9.83	40.41	56.00	-15.59	QP	
10		4.8390	19.94	9.84	29.78	46.00	-16.22	AVG	
11		23.1270	17.33	9.96	27.29	60.00	-32.71	QP	
12		23.1270	13.76	9.96	23.72	50.00	-26.28	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 Power Supply Table RF test System Instrument						
5	Test Procedure:	1. PKPM1 Peak power meter measurement						
2		 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. 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						
		Refer to Appendix 2.4G Wi-Fi						







7.4 DTS Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.247 (a)(2)						
Test Method:	ANSI C63.10 2013						
Test Setup:							
	Control Congular Congular Power Supply TemPERATURE CABNET Table						
Test Procedure:	Remark: Offset=Cable loss+ attenuation factor. 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 Wi-Fi						







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7.5 Maximum Power Spectral Density

	Test Requirement:	47 CFR Part 15C Section 15.247 (e)					
	Test Method:	ANSI C63.10 2013					
(C.Y.)	Test Setup:						
		Congular Computer Computer Supply Funner Supply Table RF test System Instrument					
	Test Procedure:	Remark: Offset=Cable loss+ attenuation factor. a) Set analyzer center frequency to DTS channel center frequency.					
- 0		 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 amplitude level within the RBW. 					
3	Limit:	 j) If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat. ≤8.00dBm/3kHz 					
	Test Mode:	Refer to clause 5.3					
	Test Results:	Refer to Appendix 2.4G Wi-Fi					

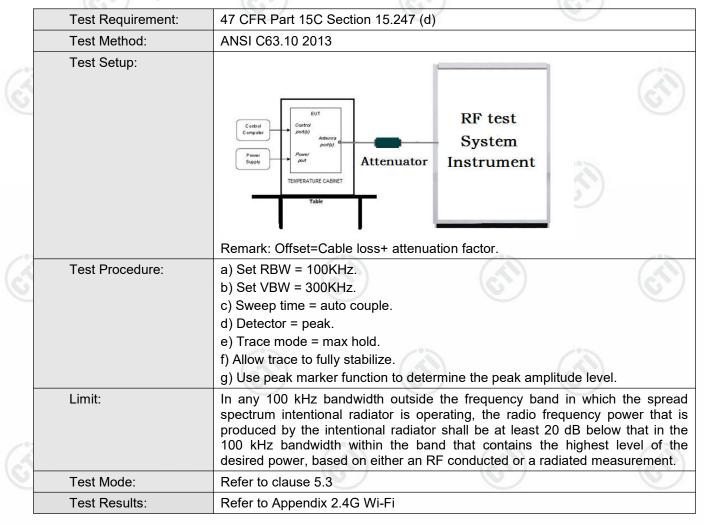








7.6 Band Edge Measurements and Conducted Spurious Emission









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7.7 Radiated Spurious Emission & Restricted bands

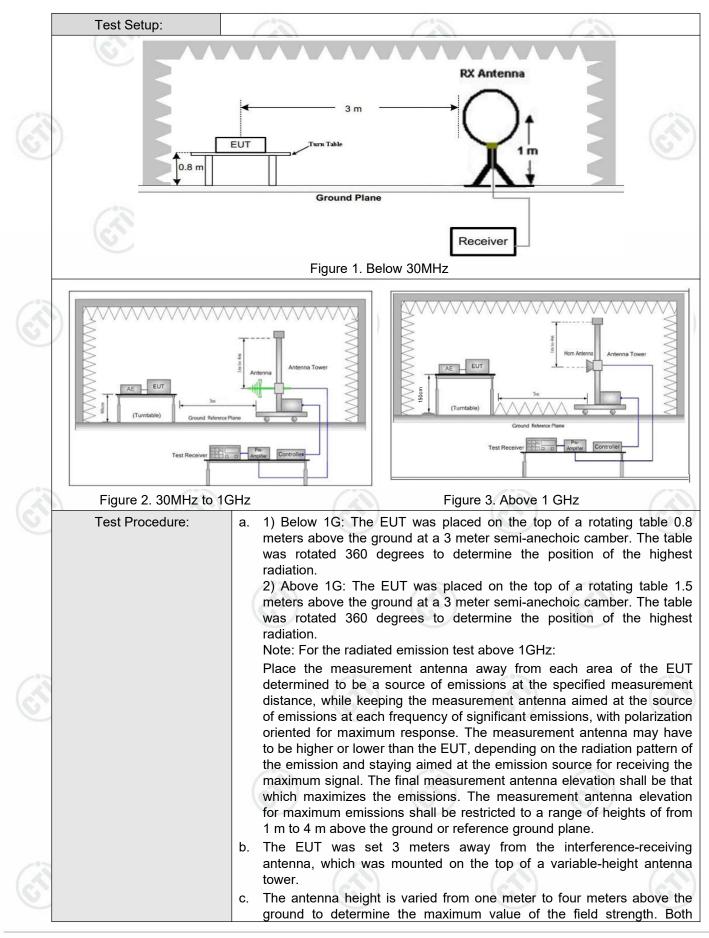
	Test Requirement:	47 CFR Part 15C Section	ion 15	.209 and 15	.205	C	
	Test Method:	ANSI C63.10 2013					
	Test Site:	Measurement Distance	e: 3m (Semi-Anech	noic Cham	ber)	- 11
	Receiver Setup:	Frequency	9	Detector	RBW	VBW	Remark
<u>C</u>		0.009MHz-0.090MH	lz	Peak	10kHz	z 30kHz	Peak
		0.009MHz-0.090MH	lz	Average	10kHz	z 30kHz	Average
		0.090MHz-0.110MH	lz	Quasi-peak	10kHz	z 30kHz	Quasi-peak
		0.110MHz-0.490MH	lz	Peak	10kHz	z 30kHz	Peak
		0.110MHz-0.490MH	lz	Average	10kHz	z 30kHz	Average
		0.490MHz -30MHz	<u>.</u>	Quasi-peak	10kHz	z 30kHz	Quasi-peak
		30MHz-1GHz		Quasi-peak	100 kH	lz 300kHz	Quasi-peak
13				Peak	1MHz	3MHz	Peak
6		Above 1GHz	P) [Peak	1MHz	: 10kHz	Average
	Limit:	Frequency		d strength ovolt/meter)	Limit (dBuV/m)	Remark	Measuremer distance (m)
		0.009MHz-0.490MHz	2400/F(kHz)		-	- / 2	300
		0.490MHz-1.705MHz	240	00/F(kHz)	-	- (2)	30
		1.705MHz-30MHz		30	-	6	30
		30MHz-88MHz		100	40.0	Quasi-peal	x 3
		88MHz-216MHz		150	43.5	Quasi-peal	< <u>3</u>
		216MHz-960MHz	9	200	46.0	Quasi-peal	< <u>3</u>
S.		960MHz-1GHz		500	54.0	Quasi-peal	< 3
		Above 1GHz		500	54.0	Average	3
		Note: 15.35(b), frequency emissions is limit applicable to the e peak emission level rac	s 20dB equipm	above the nent under t	maximum est. This p	permitted av	verage emission











【华测检测

Report No. : EED32Q80470301

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. The test-receiver system was set to Peak Detect Function and Specified e. Bandwidth with Maximum Hold Mode. If the emission level of the EUT in peak mode was 10dB lower than the f. 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:







Hotline:400-6788-333



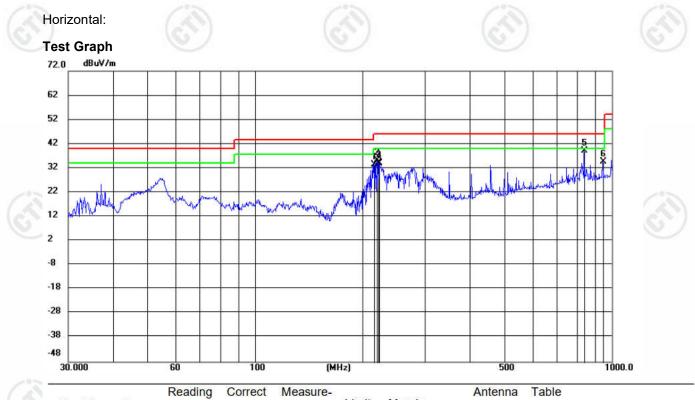






Radiated Spurious Emission below 1GHz:

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.	Level	Factor	ment	Limit	Margin		Height	Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		215.3054	20.23	13.32	33.55	43.50	-9.95	QP	100	208	
2		220.3078	21.88	13.51	35.39	46.00	-10.61	QP	199	171	
3		221.9362	20.84	13.57	34.41	46.00	-11.59	QP	199	160	
4		223.5765	20.37	13.65	34.02	46.00	-11.98	QP	100	186	
5	*	837.1244	12.64	26.41	39.05	46.00	-6.95	QP	199	171	
6		945.1083	6.86	27.68	34.54	46.00	-11.46	QP	100	186	



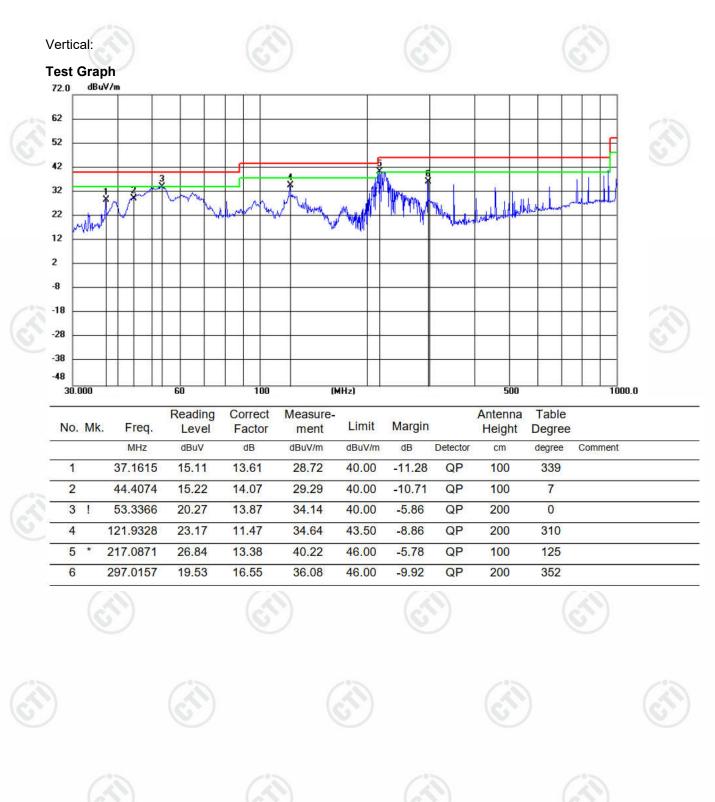






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Radiated Spurious Emission above 1GHz:

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 of was recorded in the report.

	1 - E		
Δ	NT	1	

	ANT	1.	~							
	Mode:)2.11 b Tran	smitting		Channe	el:	2412MH	Z
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
ſ	1	1250.225	7.86	40.28	48.14	74.00	25.86	PASS	н	PK
	2	1594.8595	8.00	37.05	45.05	74.00	28.95	PASS	Н	PK
	3	3810.054	-17.28	52.73	35.45	74.00	38.55	PASS	Н	PK
2	4	5364.1576	-11.72	50.16	38.44	74.00	35.56	PASS	Н	PK
	5	7786.3191	-4.07	46.47	42.40	74.00	31.60	PASS	Н	PK
_	6	13686.7124	5.24	42.89	48.13	74.00	25.87	PASS	Н	PK
	7	1250.225	7.86	43.42	51.28	74.00	22.72	PASS	V	PK
	8	1664.4664	8.33	36.01	44.34	74.00	29.66	PASS	V	PK
ſ	9	3873.0582	-16.97	52.83	35.86	74.00	38.14	PASS	V	PK
	10	6801.2534	-7.88	48.17	40.29	74.00	33.71	PASS	V	PK
	11	8282.3522	-4.68	47.48	42.80	74.00	31.20	PASS	V	PK
	12	13715.7144	4.92	43.41	48.33	74.00	25.67	PASS	V	PK

Mode	e:		802.11 b Tran	smitting		Channe	el:	2437MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1250.025	7.86	39.88	47.74	74.00	26.26	PASS	н	PK
2	2113.7114	9.57	37.33	46.90	74.00	27.10	PASS	н	PK
3	3396.0264	-18.23	53.67	35.44	74.00	38.56	PASS	Н	PK
4	6662.2442	-8.10	49.79	41.69	74.00	32.31	PASS	Н	PK
5	7807.3205	-3.95	46.73	42.78	74.00	31.22	PASS	Н	PK
6	14227.7485	6.92	41.23	48.15	74.00	25.85	PASS	Н	PK
7	1250.025	7.86	42.96	50.82	74.00	23.18	PASS	V	PK
8	2060.7061	9.33	36.37	45.70	74.00	28.30	PASS	V	PK
9	3565.0377	-17.79	53.21	35.42	74.00	38.58	PASS	V	PK
10	6084.2056	-10.37	48.19	37.82	74.00	36.18	PASS	V	PK
11	8602.3735	-3.53	46.26	42.73	74.00	31.27	PASS	V	PK
12	13674.7116	5.38	43.21	48.59	74.00	25.41	PASS	V	PK













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		10		13	S	1	10	
:		802.11 b Tran	smitting		Channe	el:	2462MH	z
Freq. [MHz]	Facto [dB]	r Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1250.225	7.86	40.54	48.40	74.00	25.60	PASS	Н	PK
2158.1158	9.68	36.64	46.32	74.00	27.68	PASS	Н	PK
3105.007	-18.91	56.77	37.86	74.00	36.14	PASS	Н	PK
4263.0842	-15.40) 51.45	36.05	74.00	37.95	PASS	Н	PK
6640.2427	-8.33	47.62	39.29	74.00	34.71	PASS	Н	PK
13742.7162	4.66	43.49	48.15	74.00	25.85	PASS	Н	PK
1125.2125	7.19	43.34	50.53	74.00	23.47	PASS	V	PK
1375.2375	8.10	40.57	48.67	74.00	25.33	PASS	V	PK
3851.0567	-17.08	3 52.91	35.83	74.00	38.17	PASS	V	PK
5342.1561	-11.80) 49.36	37.56	74.00	36.44	PASS	V	PK
8202.3468	-3.89	46.64	42.75	74.00	31.25	PASS	V	PK
14199.7466	7.14	41.43	48.57	74.00	25.43	PASS	V	PK
	Freq. [MHz] 1250.225 2158.1158 3105.007 4263.0842 6640.2427 13742.7162 1125.2125 1375.2375 3851.0567 5342.1561 8202.3468	Freq. [MHz]Facto [dB]1250.2257.862158.11589.683105.007-18.914263.0842-15.406640.2427-8.3313742.71624.661125.21257.191375.23758.103851.0567-17.085342.1561-11.808202.3468-3.89	Freq. [MHz]Factor [dB]Reading [dBµV]1250.2257.8640.542158.11589.6836.643105.007-18.9156.774263.0842-15.4051.456640.2427-8.3347.6213742.71624.6643.491125.21257.1943.341375.23758.1040.573851.0567-17.0852.915342.1561-11.8049.368202.3468-3.8946.64	Freq. [MHz]Factor [dB]Reading [dBµV]Level [dBµV/m]1250.2257.8640.5448.402158.11589.6836.6446.323105.007-18.9156.7737.864263.0842-15.4051.4536.056640.2427-8.3347.6239.2913742.71624.6643.4948.151125.21257.1943.3450.531375.23758.1040.5748.673851.0567-17.0852.9135.835342.1561-11.8049.3637.568202.3468-3.8946.6442.75	Freq. [MHz]Factor [dB]Reading [dBµV]Level [dBµV]Limit [dBµV/m]1250.2257.8640.5448.4074.002158.11589.6836.6446.3274.003105.007-18.9156.7737.8674.004263.0842-15.4051.4536.0574.006640.2427-8.3347.6239.2974.0013742.71624.6643.4948.1574.001125.21257.1943.3450.5374.001375.23758.1040.5748.6774.003851.0567-17.0852.9135.8374.005342.1561-11.8049.3637.5674.008202.3468-3.8946.6442.7574.00	Freq. [MHz]Factor [dB]Reading [dBµV]Level [dBµV]Limit [dBµV/m]Margin [dB]1250.2257.8640.5448.4074.0025.602158.11589.6836.6446.3274.0027.683105.007-18.9156.7737.8674.0036.144263.0842-15.4051.4536.0574.0037.956640.2427-8.3347.6239.2974.0034.7113742.71624.6643.4948.1574.0025.851125.21257.1943.3450.5374.0025.333851.0567-17.0852.9135.8374.0038.175342.1561-11.8049.3637.5674.0036.448202.3468-3.8946.6442.7574.0031.25	Freq. [MHz]Factor [dB]Reading [dBµV]Level [dBµV/m]Limit [dBµV/m]Margin [dB]Result1250.2257.8640.5448.4074.0025.60PASS2158.11589.6836.6446.3274.0027.68PASS3105.007-18.9156.7737.8674.0036.14PASS4263.0842-15.4051.4536.0574.0037.95PASS6640.2427-8.3347.6239.2974.0034.71PASS13742.71624.6643.4948.1574.0025.85PASS1125.21257.1943.3450.5374.0025.33PASS3851.0567-17.0852.9135.8374.0038.17PASS5342.1561-11.8049.3637.5674.0036.44PASS8202.3468-3.8946.6442.7574.0031.25PASS	Freq. [MHz]Factor [dB]Reading [dBµV]Level [dBµV/m]Limit [dBµV/m]Margin [dB]ResultPolarity1250.2257.8640.5448.4074.0025.60PASSH2158.11589.6836.6446.3274.0027.68PASSH3105.007-18.9156.7737.8674.0036.14PASSH4263.0842-15.4051.4536.0574.0037.95PASSH6640.2427-8.3347.6239.2974.0034.71PASSH13742.71624.6643.4948.1574.0025.85PASSH1125.21257.1943.3450.5374.0023.47PASSV3851.0567-17.0852.9135.8374.0038.17PASSV5342.1561-11.8049.3637.5674.0031.25PASSV

	Mode:			802.11 n(HT4	0) Transmitti	ing	Channe	el:	2422MHz	
	NO	Freq. [MHz]	Facto [dB]	Deeding	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	1250.225	7.86	40.37	48.23	74.00	25.77	PASS	н	PK
ſ	2	2015.1015	9.07	36.88	45.95	74.00	28.05	PASS	н	PK
	3	3105.007	-18.9	1 57.88	38.97	74.00	35.03	PASS	Н	PK
ð	4	5277.1518	-12.0	0 49.18	37.18	74.00	36.82	PASS	Н	PK
	5	7837.3225	-3.96	6 46.24	42.28	74.00	31.72	PASS	Н	PK
	6	14200.7467	7.14	41.62	48.76	74.00	25.24	PASS	Н	PK
	7	1125.2125	7.19	43.51	50.70	74.00	23.30	PASS	V	PK
Γ	8	2111.7112	9.57	37.76	47.33	74.00	26.67	PASS	V	PK
Γ	9	3105.007	-18.9	1 55.08	36.17	74.00	37.83	PASS	V	PK
Γ	10	6227.2151	-10.1	0 48.23	38.13	74.00	35.87	PASS	V	PK
Γ	11	7790.3194	-4.03	3 47.53	43.50	74.00	30.50	PASS	V	PK
	12	13677.7118	5.35	43.10	48.45	74.00	25.55	PASS	V	PK
-	-05		10				205		202	











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100			10-		0.00	225			
Mode	:		802.11 n(HT4	0) Transmitt	ing	Channe	el:	2437MH	z
NO	Freq. [MHz]	Facto [dB]	r Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1250.025	7.86	40.44	48.30	74.00	25.70	PASS	н	PK
2	2136.3136	9.62	37.24	46.86	74.00	27.14	PASS	Н	PK
3	3105.007	-18.9	1 57.54	38.63	74.00	35.37	PASS	Н	PK
4	5666.1777	-11.8	2 49.27	37.45	74.00	36.55	PASS	Н	PK
5	7801.3201	-3.94	46.56	42.62	74.00	31.38	PASS	Н	PK
6	14306.7538	6.35	41.82	48.17	74.00	25.83	PASS	Н	PK
7	1250.025	7.86	43.05	50.91	74.00	23.09	PASS	V	PK
8	2107.7108	9.56	36.78	46.34	74.00	27.66	PASS	V	PK
9	3105.007	-18.9	1 55.33	36.42	74.00	37.58	PASS	V	PK
10	4704.1136	-13.7	2 50.48	36.76	74.00	37.24	PASS	V	PK
11	8589.3726	-3.57	46.87	43.30	74.00	30.70	PASS	V	PK
12	14341.7561	6.27	42.70	48.97	74.00	25.03	PASS	V	PK

Mode	:		802.11 n(HT4	0) Transmitti	ing	Channe	el:	2452MHz	
NO	Freq. [MHz]	Facto [dB]	r Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1125.2125	7.19	40.80	47.99	74.00	26.01	PASS	н	PK
2	2062.5063	9.33	37.45	46.78	74.00	27.22	PASS	Н	PK
3	3106.0071	-18.9′	1 56.31	37.40	74.00	36.60	PASS	Н	PK
4	4800.12	-13.44	49.90	36.46	74.00	37.54	PASS	Н	PK
5	7789.3193	-4.05	46.85	42.80	74.00	31.20	PASS	н	PK
6	14805.7871	8.55	39.39	47.94	74.00	26.06	PASS	Н	PK
7	1250.025	7.86	42.77	50.63	74.00	23.37	PASS	V	PK
8	2106.7107	9.55	37.70	47.25	74.00	26.75	PASS	V	PK
9	3105.007	-18.9′	1 55.06	36.15	74.00	37.85	PASS	V	PK
10	4696.1131	-13.76	50.03	36.27	74.00	37.73	PASS	V	PK
11	7808.3206	-3.95	46.06	42.11	74.00	31.89	PASS	V	PK
12	14313.7542	6.33	41.75	48.08	74.00	25.92	PASS	V	PK

















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	MIMO:									
	Mode:			802.11 n(H	T40) Transmitt	Channe	el:	2422MHz		
	NO	Freq. [MHz]	Facto [dB]		g Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1	1347.6348	7.97	37.51	45.48	74.00	28.52	PASS	Н	PK
S	2	1620.6621	8.11	37.49	45.60	74.00	28.40	PASS	Н	PK
5	3	4320.088	-15.1	6 53.20	38.04	74.00	35.96	PASS	Н	PK
	4	5595.173	-11.8	2 48.70	36.88	74.00	37.12	PASS	Н	PK
	5	7804.3203	-3.94	4 46.97	43.03	74.00	30.97	PASS	Н	PK
	6	13683.7122	5.28	3 43.73	49.01	74.00	24.99	PASS	Н	PK
	7	1250.225	7.86	6 42.10	49.96	74.00	24.04	PASS	V	PK
	8	4320.088	-15.1	6 51.12	35.96	74.00	38.04	PASS	V	PK
	9	6840.256	-7.72	2 47.09	39.37	74.00	34.63	PASS	V	PK
	10	8748.3832	-3.05	5 45.68	42.63	74.00	31.37	PASS	V	PK
0	11	10369.4913	-1.49	9 44.58	43.09	74.00	30.91	PASS	V	PK
	12	13718.7146	4.89	42.83	47.72	74.00	26.28	PASS	V	PK

	Mode:			802.11 n(HT4	0) Transmitti	Channel:		2437MHz		
	NO	Freq. [MHz]	Facto [dB]	Deedine	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	1250.225	7.86	39.88	47.74	74.00	26.26	PASS	Н	PK
-	2	4319.0879	-15.1	7 53.47	38.30	74.00	35.70	PASS	Н	PK
	3	6167.2111	-10.0	6 47.37	37.31	74.00	36.69	PASS	Н	PK
	4	7887.3258	-4.00) 46.72	42.72	74.00	31.28	PASS	Н	PK
-	5	12344.623	-0.05	5 44.49	44.44	74.00	29.56	PASS	Н	PK
	6	14789.786	8.60	39.17	47.77	74.00	26.23	PASS	Н	PK
	7	1374.8375	8.10	37.78	45.88	74.00	28.12	PASS	V	PK
	8	3546.0364	-17.8	6 53.91	36.05	74.00	37.95	PASS	V	PK
	9	5852.1901	-11.3	2 48.09	36.77	74.00	37.23	PASS	V	PK
	10	7650.31	-5.99	9 46.89	40.90	74.00	33.10	PASS	V	PK
	11	10802.5202	-0.55	5 44.56	44.01	74.00	29.99	PASS	V	PK
	12	13667.7112	5.48	43.69	49.17	74.00	24.83	PASS	V	PK











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:	8	302.11 n(HT4	0) Transmitti	ng	Channe	el:	2452MH	z
Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1193.2193	7.93	39.07	47.00	74.00	27.00	PASS	н	PK
3402.0268	-18.24	54.01	35.77	74.00	38.23	PASS	Н	PK
4665.111	-13.97	49.33	35.36	74.00	38.64	PASS	Н	PK
7288.2859	-6.89	46.40	39.51	74.00	34.49	PASS	Н	PK
8276.3518	-4.62	46.91	42.29	74.00	31.71	PASS	Н	PK
13666.7111	5.49	42.83	48.32	74.00	25.68	PASS	Н	PK
1250.225	7.86	41.47	49.33	74.00	24.67	PASS	V	PK
3390.026	-18.23	53.43	35.20	74.00	38.80	PASS	V	PK
5401.1601	-11.59	48.14	36.55	74.00	37.45	PASS	V	PK
7152.2768	-7.67	47.88	40.21	74.00	33.79	PASS	V	PK
9273.4182	-3.19	46.37	43.18	74.00	30.82	PASS	V	PK
14218.7479	7.00	41.65	48.65	74.00	25.35	PASS	V	PK
	Freq. [MHz] 1193.2193 3402.0268 4665.111 7288.2859 8276.3518 13666.7111 1250.225 3390.026 5401.1601 7152.2768 9273.4182	Freq. [MHz]Factor [dB]1193.21937.933402.0268-18.244665.111-13.977288.2859-6.898276.3518-4.6213666.71115.491250.2257.863390.026-18.235401.1601-11.597152.2768-7.679273.4182-3.19	Freq. [MHz]Factor [dB]Reading [dBµV]1193.21937.9339.073402.0268-18.2454.014665.111-13.9749.337288.2859-6.8946.408276.3518-4.6246.9113666.71115.4942.831250.2257.8641.473390.026-18.2353.435401.1601-11.5948.147152.2768-7.6747.889273.4182-3.1946.37	Freq. [MHz]Factor [dB]Reading [dBµV]Level [dBµV/m]1193.21937.9339.0747.003402.0268-18.2454.0135.774665.111-13.9749.3335.367288.2859-6.8946.4039.518276.3518-4.6246.9142.2913666.71115.4942.8348.321250.2257.8641.4749.333390.026-18.2353.4335.205401.1601-11.5948.1436.557152.2768-7.6747.8840.219273.4182-3.1946.3743.18	Freq. [MHz]Factor [dB]Reading [dBµV]Level [dBµV/m]Limit [dBµV/m]1193.21937.9339.0747.0074.003402.0268-18.2454.0135.7774.004665.111-13.9749.3335.3674.004665.111-13.9749.3335.3674.007288.2859-6.8946.4039.5174.008276.3518-4.6246.9142.2974.0013666.71115.4942.8348.3274.001250.2257.8641.4749.3374.003390.026-18.2353.4335.2074.005401.1601-11.5948.1436.5574.007152.2768-7.6747.8840.2174.009273.4182-3.1946.3743.1874.00	Freq. [MHz]Factor [dB]Reading [dBµV]Level [dBµV]Limit [dBµV/m]Margin [dB]1193.21937.9339.0747.0074.0027.003402.0268-18.2454.0135.7774.0038.234665.111-13.9749.3335.3674.0038.647288.2859-6.8946.4039.5174.0034.498276.3518-4.6246.9142.2974.0031.7113666.71115.4942.8348.3274.0025.681250.2257.8641.4749.3374.0024.673390.026-18.2353.4335.2074.0038.805401.1601-11.5948.1436.5574.0037.457152.2768-7.6747.8840.2174.0033.799273.4182-3.1946.3743.1874.0030.82	Freq. [MHz]Factor [dB]Reading [dBµV]Level [dBµV/m]Limit [dBµV/m]Margin [dB]Result1193.21937.9339.0747.0074.0027.00PASS3402.0268-18.2454.0135.7774.0038.23PASS4665.111-13.9749.3335.3674.0038.64PASS7288.2859-6.8946.4039.5174.0034.49PASS8276.3518-4.6246.9142.2974.0031.71PASS13666.71115.4942.8348.3274.0025.68PASS1250.2257.8641.4749.3374.0038.80PASS3390.026-18.2353.4335.2074.0037.45PASS5401.1601-11.5948.1436.5574.0033.79PASS7152.2768-7.6747.8840.2174.0030.82PASS9273.4182-3.1946.3743.1874.0030.82PASS	Freq. [MHz]Factor [dB]Reading [dBµV]Level [dBµV/m]Limit [dBµV/m]Margin [dB]ResultPolarity1193.21937.9339.0747.0074.0027.00PASSH3402.0268-18.2454.0135.7774.0038.23PASSH4665.111-13.9749.3335.3674.0038.64PASSH7288.2859-6.8946.4039.5174.0034.49PASSH8276.3518-4.6246.9142.2974.0031.71PASSH13666.71115.4942.8348.3274.0025.68PASSH1250.2257.8641.4749.3374.0024.67PASSV3390.026-18.2353.4335.2074.0038.80PASSV5401.1601-11.5948.1436.5574.0037.45PASSV9273.4182-3.1946.3743.1874.0030.82PASSV

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:

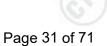
Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

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.









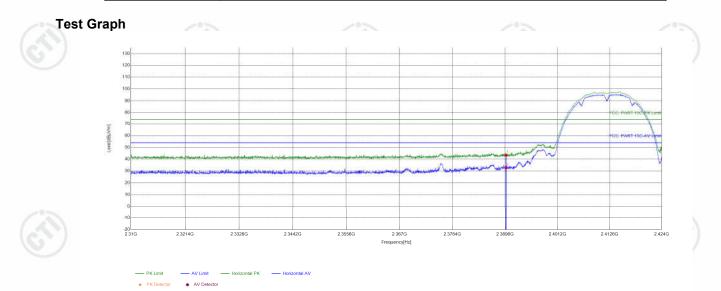






Test plot as follows:

ANT 1:					
	Test_Mode	802.11 b Transmitting	Test_Frequency	2412	
(Tset_Engineer	chenjun	Test_Date	2024/05/30	
	Remark	,			

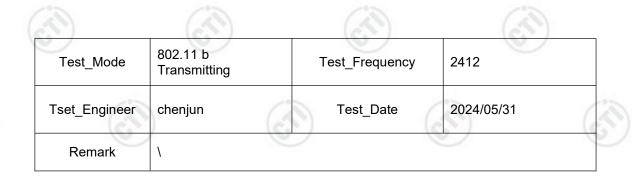


_	~°>>			10		C°>>			12		
	Suspected List										
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
-	1	2390	4.79	38.66	43.45	74.00	30.55	PASS	Horizontal	PK	
	2	2390	4.79	27.99	32.78	54.00	21.22	PASS	Horizontal	AV	
1.1	1		CCI		10.77		NC.			10.31	

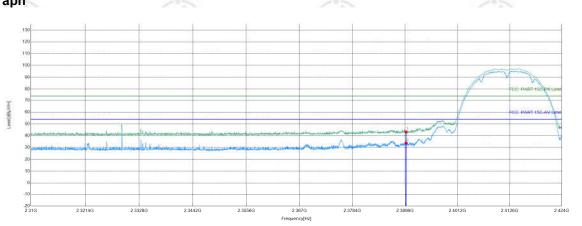




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Test Graph



PK Limit — AV Limit — Vertical PK — Vertical AV PK Detector AV Detector

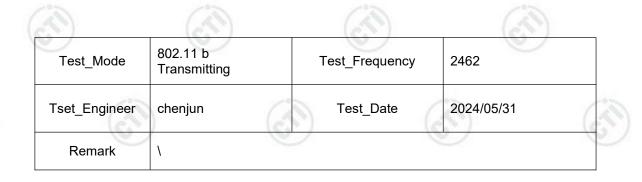
Cuer		10		12					^°
NO	ected List Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	4.79	38.36	43.15	74.00	30.85	PASS	Vertical	PK
2	2390	4.79	28.94	33.73	54.00	20.27	PASS	Vertical	AV
	67	·	67		6			S)	



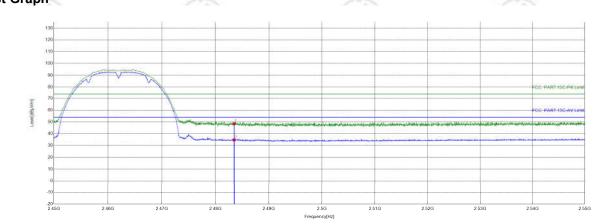




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Test Graph



PK Limit AV Limit Horizontal PK Horizontal AV AV Detector

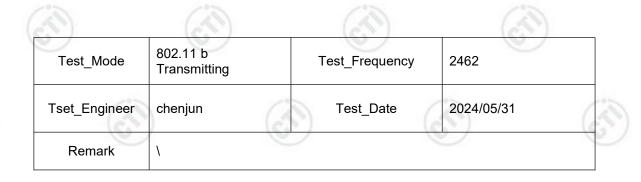
°			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		12		1	-		12
Sι	Suspected List									
-	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	2483.5	10.38	38.16	48.54	74.00	25.46	PASS	Horizontal	PK
	2	2483.5	10.38	24.32	34.70	54.00	19.30	PASS	Horizontal	AV
	(C	·)		67		GT)			ST)	



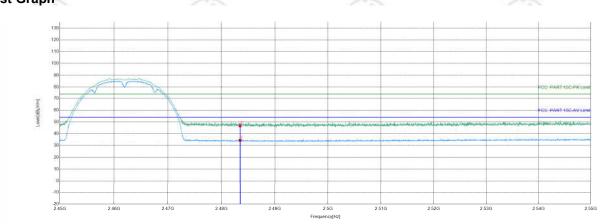




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Test Graph



PK Limit — AV Limit — Vertical PK — Vertical AV AV Detector

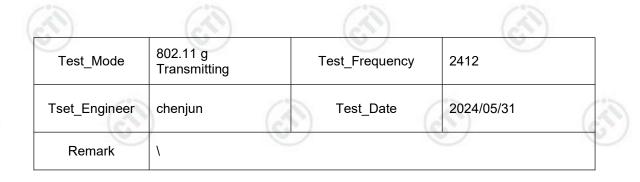
1° 20			1°2		12		1	2		2°2	
8	Suspected List										
2	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
Γ	1	2483.5	10.38	36.32	46.70	74.00	27.30	PASS	Vertical	PK	
	2	2483.5	10.38	24.04	34.42	54.00	19.58	PASS	Vertical	AV	
_	G			67		6			ST)		



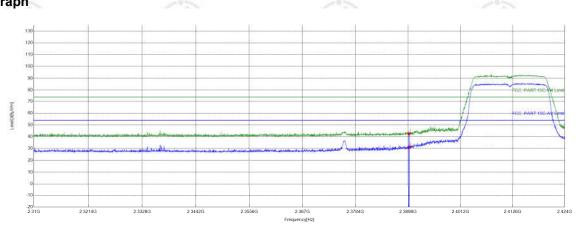




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Test Graph



PK Limit — AV Limit — Horizontal PK — Horizontal A PK Detector AV Detector

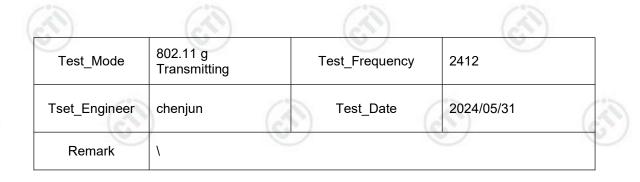
Suspecte NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	4.79	37.80	42.59	74.00	31.41	PASS	Horizontal	PK
2	2390	4.79	26.14	30.93	54.00	23.07	PASS	Horizontal	AV



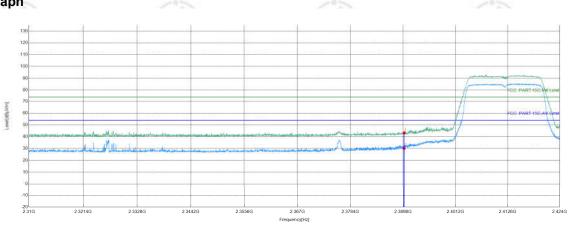




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Test Graph



PK Limit — AV Limit — Vertical PK — Vertical AV PK Detector AV Detector

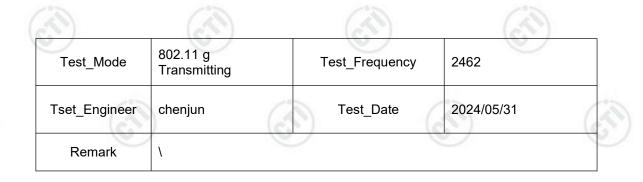
		<u> ~~~</u>					2		12
Suspect	ed List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	4.79	38.51	43.30	74.00	30.70	PASS	Vertical	PK
2	2390	4.79	25.51	30.30	54.00	23.70	PASS	Vertical	AV
	5)		67		6			67)	



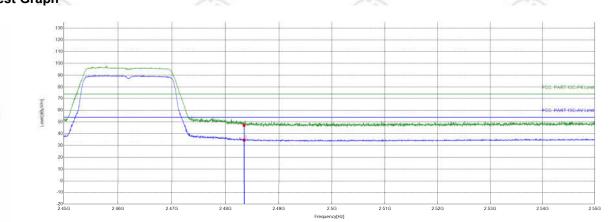








Test Graph



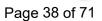
PK Limit AV Limit Horizontal PK Horizontal AV AV Detector

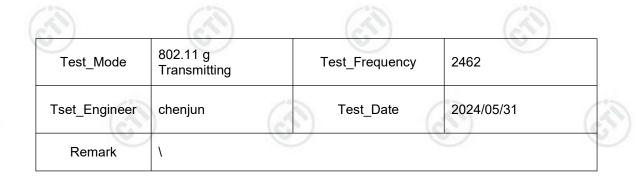
<->>			1°2		12		1	2		2°2	
<u> </u>	Suspecte	d List									
S.	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
Ī	1	2483.5	10.38	36.74	47.12	74.00	26.88	PASS	Horizontal	PK	
ſ	2	2483.5	10.38	24.25	34.63	54.00	19.37	PASS	Horizontal	AV	
-	G			67		(0)			(\mathbf{C}^{*})		



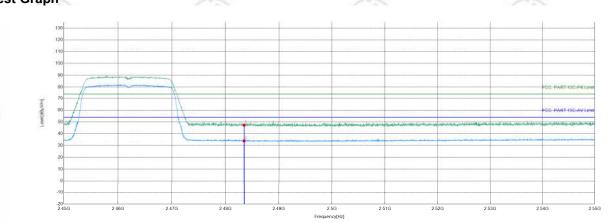








Test Graph



PK Limit — AV Limit — Vertical PK — Vertical AV AV Detector

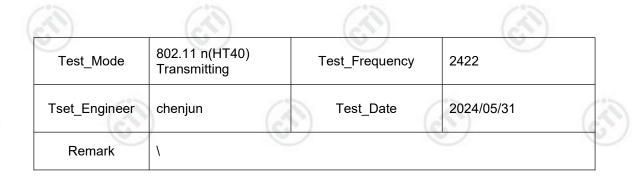
	Suspecte	dliet	<u>~~</u>		^~			-		2°3
2	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	2483.5	10.38	37.00	47.38	74.00	26.62	PASS	Vertical	PK
	2	2483.5	10.38	23.59	33.97	54.00	20.03	PASS	Vertical	AV
	(C			(C)		6			ST/	



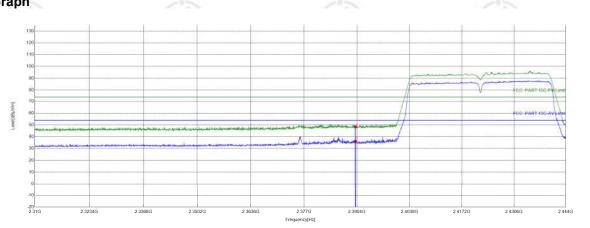




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Test Graph



PK Limit — AV Limit — Horizontal PK — Horizontal A PK Detector AV Detector

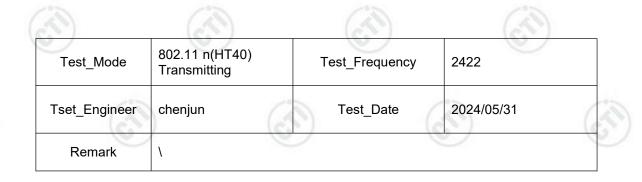
Suspecte	ed List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	9.96	38.50	48.46	74.00	25.54	PASS	Horizontal	PK
2	2390	9.96	26.05	36.01	54.00	17.99	PASS	Horizontal	AV
))			(C)		(C)			(C)	



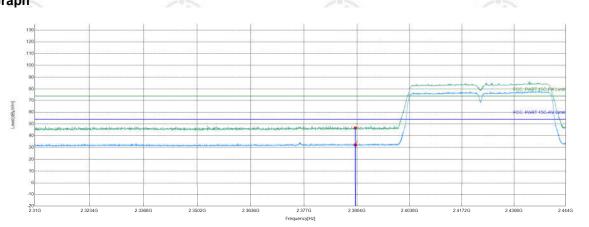








Test Graph



PK Limit - 497.13 * PK Detector · AV Detector

	S		1°2		12		1	2		12
A	Suspecte	d List								
6	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	2390	9.96	36.68	46.64	74.00	27.36	PASS	Vertical	PK
	2	2390	9.96	22.27	32.23	54.00	21.77	PASS	Vertical	AV
	6			(\mathbf{O})		6			S)	

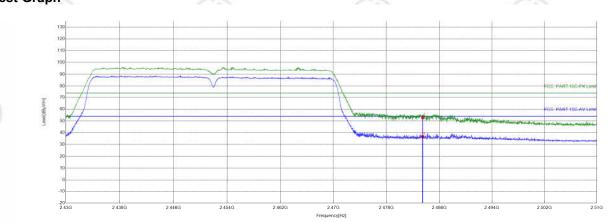






<u>()</u>	(\mathcal{A})	(3)	(25)	
Test_Mode	802.11 n(HT40) Transmitting	Test_Frequency	2452	
Tset_Engineer	chenjun	Test_Date	2024/05/31	(
Remark	1			

Test Graph



PK Limit — AV Limit — Horizontal PK — Horizontal AV PK Detector AV Detector

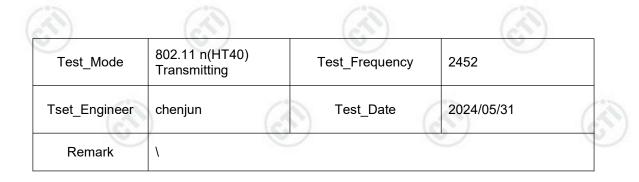
S		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		/°~		1	-		<">>
Suspect	ed List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	10.30	43.38	53.68	74.00	20.32	PASS	Horizontal	PK
2	2483.5	10.77	42.00	52.77	74.00	21.23	PASS	Horizontal	PK
3	2390	10.30	27.58	37.88	54.00	16.12	PASS	Horizontal	AV
4	2483.5	10.77	25.86	36.63	54.00	17.37	PASS	Horizontal	AV



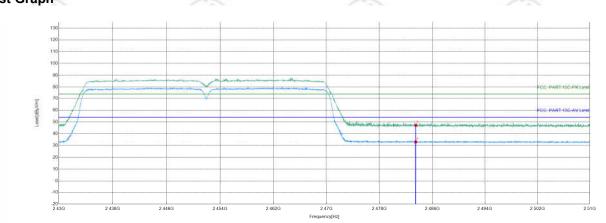




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Test Graph



2			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		/°~		1	2		<">>
•	Suspecte	d List								
-	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	2390	10.30	36.20	46.50	74.00	27.50	PASS	Vertical	PK
	2	2483.5	10.77	36.38	47.15	74.00	26.85	PASS	Vertical	PK
	3	2390	10.30	22.52	32.82	54.00	21.18	PASS	Vertical	AV
	4	2483.5	10.77	22.28	33.05	54.00	20.95	PASS	Vertical	AV









MIMO:

	Test_Mode	802.11 n(HT20) Transmitting	Test_Frequency	2412
	Tset_Engineer	chenjun	Test_Date	2024/05/31
	Remark	1		
st Grap	oh			
	130			
	00 90 80			CC Marrison
LeveldB/Wm]	70 60 50 50			GC PART-ISC AV
	20 30 <mark>10 - 10 - 10 - 10 - 10 - 10 - 10 - 10</mark>	oga da bi da kana ana kana kana kana ang kana ang kana ang kana kana		and the second second
	-10			

PK Limit AV Limit Horizontal PK PK Detector AV Detector

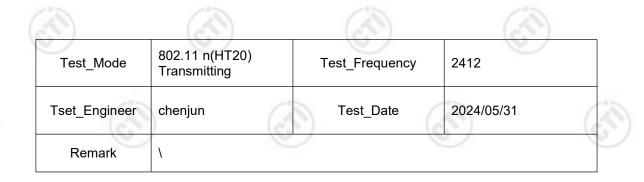
1												
S	Suspected List											
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark		
	1	2390	4.79	38.84	43.63	74.00	30.37	PASS	Horizontal	PK		
	2	2390	4.79	24.71	29.50	54.00	24.50	PASS	Horizontal	AV		



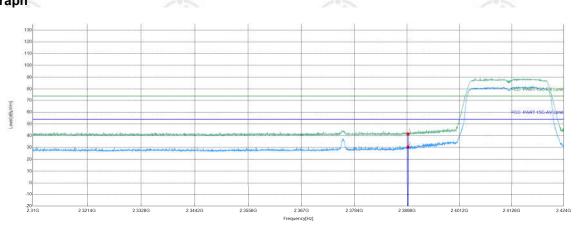




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Test Graph



PK Limit — AV Limit — Vertical PK — Vertical AV PK Detector AV Detector

-		<u>~~</u>				1	2		2°3
Suspe	cted List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	4.79	36.87	41.66	74.00	32.34	PASS	Vertical	PK
2	2390	4.79	25.65	30.44	54.00	23.56	PASS	Vertical	AV
	ST)		67		6			67)	



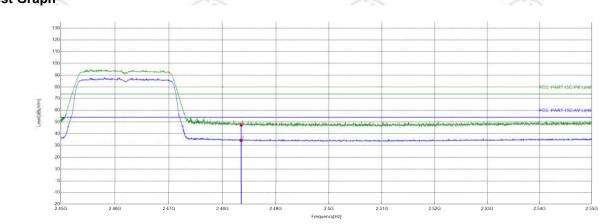




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S)		(I)	(S)	
Test_Mode	802.11 n(HT20) Transmitting	Test_Frequency	2462	
Tset_Engineer	chenjun	Test_Date	2024/05/31	
Remark	١		\sim	

Test Graph



PK Limit AV Limit Horizontal PK Horizontal AV * AV Detector

** <u>~</u>			1°2		12		1	2		12
< I	Suspecte	d List								
2	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
Γ	1	2483.5	10.38	36.98	47.36	74.00	26.64	PASS	Horizontal	PK
	2	2483.5	10.38	24.01	34.39	54.00	19.61	PASS	Horizontal	AV
_	6			(C)		6			ST/	



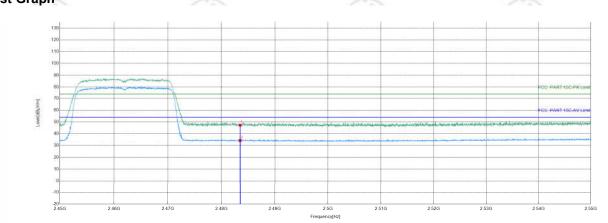




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Test_Mode	802.11 n(HT20) Transmitting	Test_Frequency	2462	
Tset_Engineer	chenjun	Test_Date	2024/05/31	6
Remark	1		J	

Test Graph



PK Limit AV Limit Vertical PK Vertical AV AV Detector

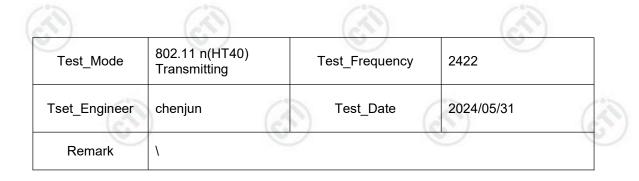
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5	10.38	36.91	47.29	74.00	26.71	PASS	Vertical	PK
2	2483.5	10.38	23.89	34.27	54.00	19.73	PASS	Vertical	AV



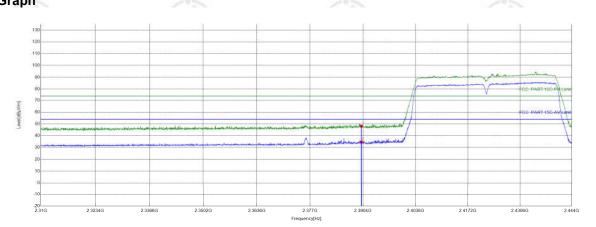




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Test Graph



PK Limit — AV Limit — Horizontal PK — Horizontal A PK Detector AV Detector

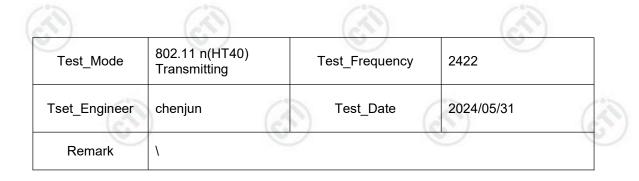
100			1°2		12		1	2		2°2
<u> </u>	Suspecte	d List								
2	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
Γ	1	2390	9.96	38.13	48.09	74.00	25.91	PASS	Horizontal	PK
	2	2390	9.96	24.61	34.57	54.00	19.43	PASS	Horizontal	AV
_	(C			67		(GT)			ST/	



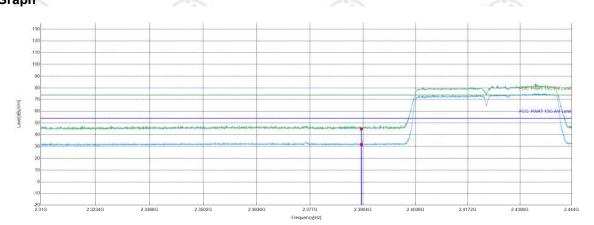




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Test Graph



PK Limit — AV Limit — Vertical PK — Vertical AV PK Detector AV Detector

Suspecte	ed List								22
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	9.96	35.09	45.05	74.00	28.95	PASS	Vertical	PK
2	2390	9.96	21.77	31.73	54.00	22.27	PASS	Vertical	AV
0	51		(C)		6			ST/	



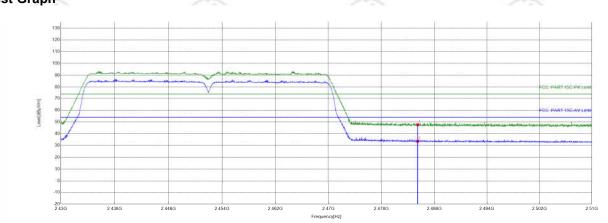






Test_Mode	802.11 n(HT40) Transmitting	Test_Frequency	2452
Tset_Engineer	chenjun	Test_Date	2024/05/31

Test Graph



PK Limit — AV Limit — Horizontal PK — Horizontal AV PK Detector AV Detector

3	Suspecte	d List								23
્	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
ĺ	1	2483.5	10.77	36.84	47.61	74.00	26.39	PASS	Horizontal	PK
Ī	2	2483.5	10.77	22.83	33.60	54.00	20.40	PASS	Horizontal	AV
	6			67		6			ST)	

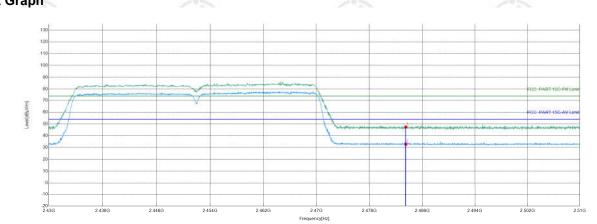






Test_Mode	802.11 n(HT40) Transmitting	Test_Frequency	2452
Tset_Engineer	chenjun	Test_Date	2024/05/31

Test Graph



PK Limit — AV Limit — Vertical PK — Vertical AV * PK Detector * AV Detector

Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5	10.77	36.67	47.44	74.00	26.56	PASS	Vertical	PK
2	2483.5	10.77	22.00	32.77	54.00	21.23	PASS	Vertical	AV
10			1657		16.7			Col /	

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







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8 Appendix 2.4G Wi-Fi

Refer to Appendix: 2.4G Wi-Fi of EED32Q80470301

