

TEST REPORT

Product Name	:	PETKIT FRESHELEMENT GEMINI
Model Number	:	P590
FCC ID	:	2A72N-P590

Prepared for Address	:	PETKIT Network Technology (Shanghai) Co., Ltd. Room 4139, Building 2, 588 Zixing Road, Minhang District, Shanghai, China.
Prepared by Address	:	EMTEK (NINGBO) CO., LTD. 1F Building 4, 1177#, Lingyun Road, Ningbo National Hi-Tech Zone, Ningbo, Zhejiang, China. Tel: +86-574-27907998 Fax: +86-574-27721538
Report Number Date(s) of Tests	:	ENB2208050031W00601R August 05, 2022 to August 19, 2022

Date of Issue : September 22, 2022

EMTEK(Ningbo) Co., Ltd.



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1 TEST RESULT CERTIFICATION

Applicant	:	PETKIT Network Technology (Shanghai) Co., Ltd.
Address	:	Room 4139, Building 2, 588 Zixing Road, Minhang District, Shanghai, China.
Manufacturer	:	Dongguan Zhihang Plastic Technology Co.,Ltd.
Address	:	Building 10, Pushikegu, Pushi 1st Road, Gangtou Village, Qiaotou Town, Dongguan City, Guangdong Province, P.R.C
EUT	:	PETKIT FRESHELEMENT GEMINI
Model Name	:	P590
Trademark	:	N/A

Measurement Procedure Used:

APPLICABLE STANDARDS				
STANDARD	TEST RESULT			
FCC 47 CFR Part 2, Subpart J FCC 47 CFR Part 15, Subpart C	PASS			

The above equipment was tested by EMTEK (NINGBO) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules Part 2 and Part 15.247

The test results of this report relate only to the tested sample identified in this report.

Date of Test :	August 05, 2022 to August 19, 2022
Prepared by :	June Gao/Engineer
Reviewer :	Vinay/Supervisor
Approved & Authorized Signer :	Tony Wei STING

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2 EUT TECHNICAL DESCRIPTION

Characteristics	Description
Product	PETKIT FRESHELEMENT GEMINI
Model Number	P590
Sample Number	1#
IEEE 802.11 WLAN Mode Supported	⊠802.11b ⊠802.11g ⊠802.11n(20MHz channel bandwidth) ⊠802.11n(40MHz channel bandwidth)
Data Rate	802.11 b:1,2,5.5,11Mbps; 802.11 g:6,9,12,18,24,36,48,54Mbps; 802.11 n: MCS0~7,up to 150Mbps;
Modulation	DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/ CCK /16QAM/64QAM for 802.11g/n20;
Operating Frequency Range	⊠2412-2462MHz for 802.11b/g/n(HT20); ⊠2422-2452MHz for 802.11n(HT40);
Number of Channels	⊠11 channels for 802.11b/g n(HT20); ⊠7 Channels for 802.11n(HT40);
Transmit Power Max	15.70 dBm
Smart system	⊠SISO for802.11 b/g/n(HT20)/ n(HT40); □MIMO for802.11n(HT20);
Antenna Type	PCB Antenna
Antenna Gain	3.7 dBi
Adapter	Model: TEKA006-0601000CH Input: 100-240V 50/60Hz Output: 6.0V 1.0A
Temperature Range	-40°C~+85℃
Date of Received	August 05, 2022

Note: for more details, please refer to the User's manual of the EUT.

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FCC Part Clause	Test Parameter	Verdict	Remark			
15.247(a)(2)	DTS (6dB) Bandwidth	PASS				
15.247(b)(3)	Maximum Peak Conducted Output Power	PASS				
15.247(e)	Maximum Power Spectral Density Level	PASS				
15.247(d)	Unwanted Emission Into Non-Restricted	PASS				
	Frequency Bands					
15.247(d)	Unwanted Emission Into Restricted Frequency	PASS				
15.209	Bands (conducted)					
15.247(d)	Radiated Spurious Emission	PASS				
15.209						
15.207	Conducted Emission Test	PASS				
15.247(b)	Antenna Application	PASS				
	NOTE1:N/A (Not Applicable)					
	NOTE2: According to FCC OET KDB 558074, the report use radiated					
	measurements in the restricted frequency bands. In addition, the radiated					
	test is also performed to ensure the emissions emanating from the device					
	cabinet also comply with the applicable limits.					

3 SUMMARY OF TEST RESULT

RELATED SUBMITTAL(S) / GRANT(S):

This submittal(s) (test report) is intended for FCC ID: 2A72N-P590 filing to comply with Section 15.247 of the FCC Part 15, Subpart C Rules.

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TEST METHODOLOGY 4

4.1 GENERAL DESCRIPTION OF APPLIED STANDARDS

According to its specifications, the EUT must comply with the requirements of the following standards: FCC 47 CFR Part 2, Subpart J FCC 47 CFR Part 15, Subpart C FCC KDB 558074 D01 15.247 Meas Guidance v05r02

4.2 MEASUREMENT EQUIPMENT USED

4.2.1	Conducted	Emission	Test	Equipment
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Equ. No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
ENE-001	Test Receiver	Rohde & Schwarz	ESCI	101108	July 07, 2022	1 Year
ENE-003	L.I.S.N	Rohde & Schwarz	ENV216	101193	July 07, 2022	1 Year
ENE-004	L.I.S.N	Schwarzbeck	NSLK 8126	8126-462	July 07, 2022	1 Year
ENE-006	Pulse Limiter	MTS-systemtec hnik	IMP-136	2611115-001-00 33	July 07, 2022	1 Year
ENE-005	RF Switching unit	Compliance Direction Systems Inc.	RSU-M2	38400	July 07, 2022	1 Year

4.2.2 Radiated Emission Test Equipment

Equ. No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
ENE-002	EMI Test Receiver	Rohde & Schwarz	ESCI	101107	July 07, 2022	1 Year
ENE-009	Pre-Amplifier	CD	PAP-0203	22015	July 07, 2022	1 Year
ENE-010	Bilog Antenna	Schwarzbeck	VULB9163	9163-467	July 12, 2021	2 Year
ENE-025-1	Cable	Huber + Suhner	CBL3-NN-0.5 M	101216-214050 0-2	July 07, 2022	1 Year
ENE-025-2	Cable	Huber + Suhner	CBL3-NN-3.0 M	101216-214300 0-2	July 07, 2022	1 Year
ENE-025-3	Cable	Huber + Suhner	CBL3-NN-9.0 M	101216-214900 0	July 07, 2022	1 Year
ENE-170	EXA Signal Analyzer	KEYSIGHT	N9010B	MY60242457	March 01, 2022	1 Year
ENE-090	Pre-Amplifier	Connphy Microwave Inc.	GLN-1G40G-4 165-K	0319104	Nov 22, 2021	1 Year
ENE-060	Horn Antenna	Schwarzbeck	BBHA 9120	9120D-707	April 13, 2021	2 Year
ENE-101-1	Cable	SMAMSMAM	A50-0.5M	N/A	July 07, 2022	1 Year
ENE-101-2	Cable	SMAMSMAM	A50-3M	N/A	July 07, 2022	1 Year
ENE-101-4	Cable	SMAMSMAM	A50-6M	N/A	July 07, 2022	1 Year

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Eau No	Equipment	Manufacturer	Model No	Serial No	Last Cal	Cal.
Equ. No.	Equipment	Manulacturer	Model No.		Last Gal.	Interval
ENE-170	EXA Signal Analyzer	KEYSIGHT	N9010B	MY60242457	March 01, 2022	1 Year
ENE-095	Band Reject Filter	O.M.Jones,Inc.d ba	BRM50702-0	G049	July 07, 2022	1 Year

4.2.3 Radio Frequency Test Equipment



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4.3 DESCRIPTION OF TEST MODES

The EUT has been tested under its typical operating condition.

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

Those data rates (\boxtimes 802.11b:1 Mbps; \boxtimes 802.11g: 6 Mbps; \boxtimes 802.11n(HT20): MCS0; \square 802.11n(HT40): MCS0) were used for all test.

Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

		<u> </u>			
Channel —	Frequency	Channel	Frequency	Channel	Frequency
	(MHz)	Channel	(MHz)	Channel	(MHz)
1	2412	6	2437	11	2462
2	2417	7	2442		
3	2422	8	2447		
4	2427	9	2452		
5	2432	10	2457		

Frequency and Channel list for 802.11b/g/n (HT20):

Frequency and Channel list for 802.11n (HT40):

Channel	Frequency		Frequency	Channel	Frequency	
Channel	(MHz)	Channel	(MHz)	Charmer	(MHz)	
3	2422	6	2437	9	2452	
4	2427	7	2442			
5	2432	8	2447			

Test Frequency and Channel for 802.11b/g/n (HT20):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	6	2437	11	2462

Test Frequency and Channel for 802.11n (HT40):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
3	2422	6	2437	9	2452

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4.4 TEST SOFTWARE

Item	Software
Radiated Emission:	EMC (Ver. EMEC-3A1)
Conducted Emission	EZ-EMC (Ver. CON-03A1)



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FACILITIES AND ACCREDITATIONS 5

5.1 FACILITIES

All measurement facilities used to collect the measurement data are located at

1F Building 4, 1177#, Lingyun Road, Ningbo National Hi-Tech Zone, Ningbo, Zhejiang, China. The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.10 and **CISPR** Publication 32.

5.2 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description						
EMC Lab.	: Accredited by CNAS					
	The Certificate Registration Number is L6666.					
	The Laboratory has been assessed and proved to be in compliance with					
	CNAS-CL01:2018 (identical to ISO/IEC 17025:2017)					
	Accredited by FCC					
	Designation Number: CN1302					
	Test Firm Registration Number: 436491					
	Accredited by A2LA					
	The certificate is valid until May 31, 2023					
	The Certificate Number is 4321.03.					
	Accredited by Industry Canada					
	The Certificate Degistration Number is CN0114					
	Correspondence Registration Number is CN0114					
	Company Number: 9469A					
Name of Firm	: EMTEK (NINGBO) CO., LTD.					
Site Location	: 1F Building 4, 1177#, Lingyun Road, Ningbo National Hi-Tech Zone, Ningbo, Zheijang, China.					

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6 TEST SYSTEM UNCERTAINTY

The following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Parameter	Uncertainty
Radio Frequency	± 1x10^-5
Maximum Peak Output Power Test	± 1.0 dB
Conducted Emissions Test	± 2.0 dB
Radiated Emission Test	± 2.0 dB
Power Density	± 2.0 dB
Occupied Bandwidth Test	± 1.0 dB
Band Edge Test	± 3 dB
All emission, radiated	± 3 dB
Antenna Port Emission	± 3 dB
Temperature	± 0.5 °C
Humidity	± 3 %

Measurement Uncertainty for a level of Confidence of 95%

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7 SETUP OF EQUIPMENT UNDER TEST

7.1 RADIO FREQUENCY TEST SETUP 1

The WLAN component's antenna ports(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The EUT is controlled by PC/software to emit the specified signals for the purpose of measurements.



7.2 RADIO FREQUENCY TEST SETUP 2

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10. The test distance is 3m.The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 and CAN/CSA-CEI/IEC CISPR 22.

Below 30MHz:

The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna (loop antenna). The Antenna should be positioned with its plane vertical at the specified distance from the EUT androtated about its vertical axis formaximum response at each azimuth about the EUT. The center of the loopshall be 1 m above the ground.For certain applications, the loop antennaplane may also need to be positioned horizontally at the specified distance from the EUT.

30MHz-1GHz:

The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

Above 1GHz:

The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

(a) Radiated Emission Test Set-Up, Frequency Below 30MHz



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(b)Radiated Emission Test Set-Up, Frequency Below 1000MHz

(c) Radiated Emission Test Set-Up, Frequency above 1000MHz



7.3 CONDUCTED EMISSION TEST SETUP

The mains cable of the EUT (maybe per AC/DC Adapter) must be connected to LISN. The LISN shall be placed 0.8 m from the boundary of EUT and bonded to a ground reference plane for LISN mounted on top of the ground reference plane. This distance is between the closest points of the LISN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8m from the LISN.

Ground connections, where required for safety purposes, shall be connected to the reference ground point of the LISN and, where not otherwise provided or specified by the manufacturer, shall be of same length as the mains cable and run parallel to the mains connection at a separation distance of not more than 0.1 m.

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.



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7.4 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM



7.5 SUPPORT EQUIPMENT

EUT Cable List and Details							
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite				
1	1	1	/				

Auxiliary Cable List and Details							
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite				
1	1	1	1				

Auxiliary Equipment List and Details							
Description	Manufacturer	Model	Serial Number				
Motherboard Power Supply	GINLONG	1	/				
DC Power supply	/	KDP3603	20074D3062946				

Notes:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
- 3. Unless otherwise denoted as EUT in *[Remark]* column , device(s) used in tested system is a support equipment

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8 TEST REQUIREMENTS

8.1 DTS (6DB) BANDWIDTH

8.1.1 Applicable Standard

According to FCC Part15.247 (a)(2) and KDB 558074 D01 15.247 Meas Guidance v05r02

8.1.2 Conformance Limit

The minimum -6 dB bandwidth shall be at least 500 kHz.

8.1.3 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

8.1.4 Test Procedure

The EUT was operating in IEEE 802.11b/g/n mode and controlled its channel. Printed out the test result from the spectrum by hard copy function.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously

Set RBW = 100 kHz.

Set the video bandwidth (VBW) =300kHz.

Set Span=2 times OBW

Set Detector = Peak.

Set Trace mode = max hold.

Set Sweep = auto couple.

Allow the trace to stabilize.

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.

Measure and record the results in the test report.

8.1.5 Test Results

Temperature:	23° C
Relative Humidity:	56%
ATM Pressure:	1011 mbar

Operation Mode	Channel Number	Channel Frequency (MHz)	Measurement Bandwidth (MHz)	Limit (kHz)	Verdict
	1	2412	9.092	>500	PASS
802.11b	6	2437	9.090	>500	PASS
	11	2462	9.533	>500	PASS
	1	2412	16.43	>500	PASS
802.11g	6	2437	16.43	>500	PASS
	11	2462	16.43	>500	PASS
802.11n (HT20)	1	2412	17.56	>500	PASS
	6	2437	17.57	>500	PASS
	11	2462	17.57	>500	PASS
802.11n (HT40)	3	2422	33.49	>500	PASS
	6	2437	33.51	>500	PASS
	9	2452	33.47	>500	PASS

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st Model			802.11g		
		Chanr	nel 6: 2437MHz		
Spectrum Analyzer 1				Frequency 🔻	214
L Input: RF Input:	put Z: 50 Ω Atten: 20 dB orr CCorr μW Path: Sta req Ref: Int (S)	Trig: Free Run andard Gate: Off #IF Gain: Low	Center Freq: 2.437000000 GHz Avg Hold:>10/10 Radio Std: None	Center Frequency 2.437000000 GHz	gs
				Span	
1 Graph v Scale/Div 10.0 dB	Ref LvI Offset Ref Value 20.0	t 10.00 dB 00 dBm		40.000 MHz	
Log 10.0				CF Step 4.000000 MHz	
0.00	and the second second second second	1 por halfer and and have		Auto	
-20.0	AND I WANTED	W	M	Man	
-30.0 -40.0			Munda and	Freq Offset	
-50.0 mmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmm			- month marine	wyArr	
-60.0					
Center 2.43700 GHz Res BW 100.00 kHz	#Video BW 30	00.00 kHz*	ں Span 40 M Sweep 5.00 ms (1001	NHz pts)	
2 Metrics					
		Measure Trace	Trace 1		
Occupied Bandwidth 16.501 Mi	Hz	Total Power	14.3 dBm		
Transmit Freq Error	-3.229 kHz	% of OBW Powe	r 99.00 %		
D. D	16.43 MHz	x dB	-6.00 dB		
X dB Bangwigth					
	Aug 15, 2022 4:06:06 PM	DTS (6dB) Bandwidth		
est Model	Aug 15, 2022 4:06:06 PM	DTS (Chanr	6dB) Bandwidth 802.11g hel 11: 2462MHz		
est Model	Aug 15, 2022 4:06:06 PM	DTS (Chanr	6dB) Bandwidth 802.11g nel 11: 2462MHz	C Frequency	
est Model	Aug 15, 2022 4:06:06 PM	DTS (Chanr Trig: Free Run	6dB) Bandwidth 802.11g nel 11: 2462MHz		**
est Model	Aug 15, 2022 4:06:06 PM	DTS (Chanr andard Trig: Free Run gate: Off #IF Gain: Low	6dB) Bandwidth 802.11g hel 11: 2462MHz Center Freq 2.46200000 GHz AvgHold-10/10 Radio Std None	Frequency Center Frequency 2.46200000 GHz Settin	gs
est Model	Aug 15, 2022 4:06:06 PM put Z. 50 Ω orr CCorr req Ref: Int (S) Atten: 20 dB μW Path: Sta	DTS (Chann andard Trig: Free Run Gate: Off #IF Gain: Low	6dB) Bandwidth 802.11g hel 11: 2462MHz Center Freq: 2.46200000 GHz Avg Hold > 10/10 Radio Std: None	Frequency Center Frequency 2.46200000 GHz Span	<mark>₽</mark> gs
Est Model	Aug 15, 2022 4:06:06 PM put Z: 50 Ω orr CCorr req Ref: Int (S) Ref Lvl Offsee Ref Lvl Offsee Ref Lvl Offsee	DTS (Chann andard Gate: Off #IF Gain: Low t 10.000 dB	Center Freq: 2.46200000 GHz Avg Hold > 10/10 Radio Std: None	Frequency 2.46200000 GHz Span 40.000 MHz	gs III
	Aug 15, 2022 4:06:06 PM put Z: 50 Ω orr CCorr req Ref. Int (S) Ref LvI Offset Ref Value 20.0	DTS (Chanr andard Trig: Free Run Gate: Off #IF Gain: Low t 10.00 dB 00 dBm	Center Freq: 2.46200000 GHz AvgHold > 10/10 Radio Std. None	Frequency Center Frequency 2.46200000 GHz Span 40.000 MHz CF Step CF Step	gs
	Aug 15, 2022 4:06:06 PM put Z: 50 Ω orr CCorr req Ref: Int (S) Ref LvI Offset Ref Value 20.0	DTS (Chanr andard Trig: Free Run Gate: Off #IF Gain: Low t 10.00 dB 00 dBm	Center Freq: 2.46200000 GHz AvgHold > 10/10 Radio Std: None	Frequency Center Frequency 2.46200000 GHz Span 40.000 MHz CF Step 4.000000 MHz	gs
	Aug 15, 2022 4:06:06 PM put Z: 50 Ω or CCorr put Z: 50 Ω Atten: 20 dB µW Path: Sta Ref Lvl Offser Ref Value 20.1	DTS (Chanr andard Trig: Free Run andard #IF Gain: Low t 10.00 dB 00 dBm	6dB) Bandwidth 802.11g hel 11: 2462MHz Center Freq: 2.46200000 GHz Avg Hold >10/10 Radio Std: None	Frequency Center Frequency 2.46200000 GHz Span 40.000 MHz CF Step 4.00000 MHz CF Step 4.00000 MHz	gs
	Aug 15, 2022 4:06:06 PM put Z: 50 Ω or CCorr req Ref: Int (S) Ref LvI Offset Ref Value 20.1 Augustation of the second se	DTS (Chann andard Trig: Free Run Gate: Off #IF Gain: Low t 10.00 dB 00 dBm	6dB) Bandwidth 802.11g hel 11: 2462MHz Center Freq: 2.46200000 GHz AvgHold: 10/10 Radio Std. None	Frequency 2.46200000 GHz Span 40.000 MHz CF Step 4.00000 MHz CF Step 4.00000 MHz Auto Man Freq Offset	gs
tob Bandwidth tob Band	Aug 15, 2022 4:06:06 PM put Z: 50 Ω orr CCorr req Ref. Int (S) Ref LvI Offset Ref Value 20.1	DTS (Chann andard Trig: Free Run Gate: Off #IF Gain: Low t 10.00 dB 00 dBm	Center Freq: 2.46200000 GHz AvgHold > 10/10 Radio Std None	Frequency 2.46200000 GHz Span 40.000 MHz CF Step 4.00000 MHz CF Step 4.00000 MHz Man Freq Offset 0 Hz	gs
x dB Bandwidth x	Aug 15, 2022 4:06:06 PM put Z: 50 Ω Atten: 20 dB orr CCorr req Ref: Int (S) Ref LvI Offset Ref Value 20.0 Atten: 20 dB μW Path: Sta	DTS (Chann andard Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 2.46200000 GHz AvgHold > 10/10 Radio Std. None	Frequency Center Frequency 2.462000000 GHz Span 40.000 MHz CF Step 4.000000 MHz CF Step 4.000000 MHz Auto Man Freq Offset 0 Hz	gs
x db Bandwidth	Aug 15, 2022 4:06:06 PM put Z: 50 Ω Atten: 20 dB orr CCorr req Ref. Int (S) Ref Lvl Offset Ref Value 20.1 #Video BW 30	DTS (Chanr andard Gate: Off #IF Gain: Low t 10.00 dB 00 dBm	Center Freq 2.46200000 GHz Arg Hold > 10/10 Radio Std None	Frequency Settin Span 40.000 MHz CF Step 4.00000 MHz CF Step 4.00000 MHz Freq Offset 0 Hz WTC	gs
x ob Bandwidth Est Model Spectrum Analyzer 1 Couplied BW KEYSIGHT Input: RF Coupling DC Align: Auto Fi Scale/Div 10.0 dB 100 000 100 000 <p< td=""><td>Aug 15, 2022 4:06:06 PM put Z: 50 Ω preq Ref: Int (S) Ref Lvl Offset Ref Value 20.0 #Video BW 30 #Video BW 30</td><td>DTS (Chann andard Trig: Free Run Gate: Off #IF Gain: Low t 10.00 dB 00 dBm</td><td>Center Freq: 2.46200000 GHz Avg Hold > 10/10 Radio Std: None</td><td>Frequency Settin Span 40.000 MHz CF Step 4.00000 MHz CF Step 4.00000 MHz Freq Offset 0 Hz WHz</td><td>gs</td></p<>	Aug 15, 2022 4:06:06 PM put Z: 50 Ω preq Ref: Int (S) Ref Lvl Offset Ref Value 20.0 #Video BW 30 #Video BW 30	DTS (Chann andard Trig: Free Run Gate: Off #IF Gain: Low t 10.00 dB 00 dBm	Center Freq: 2.46200000 GHz Avg Hold > 10/10 Radio Std: None	Frequency Settin Span 40.000 MHz CF Step 4.00000 MHz CF Step 4.00000 MHz Freq Offset 0 Hz WHz	gs
Corporation C	Aug 15, 2022 4:06:06 PM iput Z: 50 Ω orr CCorr req Ref: Int (S) Ref LvI Offset Ref Value 20.0 #Video BW 30	DTS (Chann andard Trig: Free Run Gate: Off #IF Gain: Low t 10.00 dB 00 dBm	6dB) Bandwidth 802.11g hel 11: 2462MHz Center Freq: 2.46200000 GHz AvgHold Std None	Frequency 2.46200000 GHz Settin Span 40.000 MHz CF Step 4.00000 MHz CF Step 4.00000 MHz Freq Offset 0 Hz Freq Offset 0 Hz	gs
tob Bandwidth tob Band	Aug 15, 2022 4:06:06 PM put Z: 50 Ω orr CCorr req Ref. Int (S) Ref LvI Offset Ref Value 20.0 #Video BW 30	DTS (Chann andard Trig: Free Run Gate: Off #IF Gain: Low t 10.00 dB 00 dB 00 dB 00 dB	Center Freq: 2.46200000 GHz AvgHold - 10/10 Radio Std: None	Frequency Center Frequency 2.46200000 GHz Span 40.000 MHz CF Step 4.00000 MHz CF Step 4.00000 MHz Freq Offset 0 Hz WHz OHz	gs
Cocupied Bandwidth	Aug 15, 2022 4:06:06 PM put Z: 50 Ω Atten: 20 dB orr CCorr req Ref: Int (S) Ref LvI Offset Ref Value 20.0 #Video BW 30 #Video BW 30	DTS (Chann andard Trig: Free Run Gate: Off #IF Gain: Low t 10.00 dB 00 dB 00 dB 00 dB 00 dB 00 dB 00 dB 00 dB 00 dB	Center Freq: 2.46200000 GHz AvgHold > 10/10 Radio Std: None Span 40 M Sweep 5.00 ms (1001)	Frequency Center Frequency 2.462000000 GHz Settin Span 40.000 MHz CF Step 4.000000 MHz CF Step 4.000000 MHz O Hz Frequency Settin Substrate O Hz WHz Pission	gs
A GB Bandwidth Spectrum Analyzer 1 Coupling Coupling	Aug 15, 2022 4:06:06 PM put Z: 50 Ω orr CCorr req Ref: Int (S) Ref Lvl Offset Ref Value 20.1 #Video BW 30 #Video BW 30 -5.204 kHz	DTS (Chann andard Gate: Off #IF Gain: Low t 10.00 dB 00 dBm 00 dBm 00 dB 00 dB	Center Freq 2.46200000 GHz AvgHold > 10/10 Radio Std None Span 40 M Sweep 5.00 ms (1001)	Frequency Center Frequency 2.46200000 GHz Settin 4.0000 MHz CF Step 4.00000 MHz Auto MHz Freq Offset 0 Hz MHz	gs
A GB Bandwidth Spectrum Analyzer 1 Coupling BW Coupling BW Coupling DC Align: Auto Fi Coupling C Cou	Aug 15, 2022 4:06:06 PM put Z: 50 Ω Atten: 20 dB orr CCorr μW Path: Sta Ref Lvl Offset Ref Value 20.1 #Video BW 30 #Video BW 30 Hz -5.204 kHz 16.43 MHz	DTS (Chann andard Trig: Free Run Gate: Off #IF Gain: Low t 10.00 dB 00 dBm 00 dBm 00 dBm 00 dB 00 dBm 00 dB 00 dB	Center Freq: 2.46200000 GHz Avg Hold > 10/10 Radio Std: None Span 40 M Sweep 5.00 ms (1001) Trace 1 15.4 dBm r 99.00 % -6.00 dB	Frequency Settin Span 40.000 MHz CF Step 4.00000 MHz CF Step 4.00000 MHz Freq Offset 0 Hz WHz Preq Offset 0 Hz	gs









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x dB

Report No. ENB2208050031W00601R

x dB Bandwidth

Aug 18, 2022 4:10:15 PM

33 49 MHz

-6 00 dB

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8.2 MAXIMUM CONDUCTED (AVERAGE) OUTPUT POWER

8.2.1 Applicable Standard

According to FCC Part15.247 (b)(3) and KDB 558074 D01 15.247 Meas Guidance v05r02

8.2.2 Conformance Limit

The maximum peak conducted output power of the intentional radiator for systems using digital modulation in the 2400 - 2483.5 MHz bands shall not exceed: 1 Watt (30dBm).

8.2.3 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

8.2.4 Test Procedure

a) Set span to at least 1.5 times the OBW.

b) Set RBW = 1-5% of the OBW, not to exceed 1 MHz.

c) Set VBW \geq 3 x RBW.

d) Number of points in sweep $\ge 2 \times \text{span}$ / RBW. (This gives bin-to-bin spacing \le RBW/2, so that narrowband signals are not lost between frequency bins.)

e) Sweep time = auto.

f) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.

g) If transmit duty cycle < 98 %, use a sweep trigger with the level set to enable triggering only on full power pulses. The transmitter shall operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle \ge 98 %, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to "free run".

h) Trace average at least 100 traces in power averaging (i.e., RMS) mode.

i) Compute power by integrating the spectrum across the OBW of the signal using the instrument's band power measurement function, with band limits set equal to the OBW band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.

8.2.5	Test Results
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Temperature:	23° C
Relative Humidity:	56%
ATM Pressure:	1011 mbar

Operation Mode	Channel Number	Channel Frequency (MHz)	Measurement Level (dBm)	Limit (dBm)	Verdict
	1	2412	14.89	30	PASS
802.11b	6	2437	14.83	30	PASS
	11	2462	15.70	30	PASS
	1	2412	12.15	30	PASS
802.11g	6	2437	11.76	30	PASS
	11	2462	12.85	30	PASS
900 11 m	1	2412	12.10	30	PASS
002.1111 (UT20)	6	2437	11.63	30	PASS
(1120)	11	2462	12.77	30	PASS
000.11	3	2422	9.61	30	PASS
002.110 (UT40)	6	2437	9.93	30	PASS
(1140)	9	2452	9.97	30	PASS

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Test Model		Duty cycle 802.11b Channel 1: 2412MHz				
EYSIGHT Input: RF Coupling: DC Align: Auto	H Input Z: 50 Ω #A Corr CCorr Freq Ref: Int (S)	utten: 30 dB PNO: Fast V Path: Standard Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Avg Hold:>100/100 Trig: Free Run	1 2 3 4 5 6 M W W W W P N N N N N	Frequency Frequency Center Frequency 2:412000000 GHz Span	
Spectrum Y cale/Div 10 dB	Ref I	LVI Offset 10.00 dB Level 20.00 dBm		Span 0 Hz	0.0000000 Hz Swept Span Zero Span Full Span Start Freq 2.412000000 GHz Stop Freq 2.412000000 GHz AUTO TUNE CF Step 1.000000 MHz Auto Man Freq Offset 0 Hz X Axis Scale Log	

st Model		Ηz			
Spectrum Analyzer 1 Swept SA	+				Frequency 🔹 🔆
KEYSIGHT Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω #Atten: 30 dB Corr CCorr μW Path: Standa Freq Ref: Int (S)	PNO: Fast rd Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Avg Hold:>100/100 Trig: Free Run	123456 M WWWWW PNNNNN	Center Frequency 2.412000000 GHz
1 Spectrum	Ref LvI Offset 10. Ref Level 20.00 d	.00 dB IBm			0.00000000 Hz Swept Span Zero Span
10.0					Full Span
0.00					Start Freq 2.412000000 GHz
20.0					Stop Freq 2.412000000 GHz
30.0					AUTO TUNE
40.0					CF Step 1.000000 MHz
60.0					Auto Man
70.0					Freq Offset 0 Hz
Center 2.412000000 GHz Res BW 1.0 MHz	#Video BW 3.0	MHz	Sweep 8.33	Span 0 Hz ms (1001 pts)	X Axis Scale Log Lin
	Aug 18, 2022 4:44:30 PM				Signal Track (Span Zoom)



Test Model		Duty cycle 802.11n(HT20) Channel 1: 2412MHz				
Spectrum Analyzer 1 Swept SA	+			Frequency	• 絵	
KEYSIGHT Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω #Atten: 30 dB F Corr CCorr μW Path: Standard C Freq Ref: Int (S)	PNO: Fast Avg Type: Log Sate: Off Avg Hold:>10 F Gain: Low Trig: Free Ru Sig Track: Off	g-Power 0/100 n P N N N N N	Center Frequency 2.412000000 GHz	ettings	
1 Spectrum v Scale/Div 10 dB	Ref LvI Offset 10.00 (Ref Level 20.00 dBm	dB		0.000000000 Hz Swept Span Zero Span		
10.0				Full Span		
0.00				Start Freq 2.412000000 GHz		
-20.0				Stop Freq 2.412000000 GHz		
-30.0				AUTO TUNE		
40.0				CF Step 1.000000 MHz		
60.0				Auto Man		
70.0				Freq Offset 0 Hz		
Center 2.412000000 GHz #Res BW 1.0 MHz	#Video BW 3.0 MH;	z Swe	Span 0 Hz ep 8.33 ms (1001 pts)	X Axis Scale Log Lin		
	Aug 18, 2022			Signal Track (Span Zoom)		

Test Model		Duty cycle 802.11n(HT40) Channel 1: 2422MHz				
Spectrum Analyzer 1 Swept SA	+				Frequency v 🔆	
KEYSIGHT Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω #Atten: 30 dB Corr CCorr μW Path: Standa Freq Ref: Int (S)	PNO: Fast Ave ard Gate: Off Ave IF Gain: Low Trio Sig Track: Off	g Type: Log-Power g Hold:>100/100 g: Free Run	123456 MWWWWW PNNNNN	Center Frequency 2.422000000 GHz	
1 Spectrum ▼ Scale/Div 10 dB Log	Ref LvI Offset 10 Ref Level 20.00 d).00 dB dBm			0.000000000 Hz Swept Span Zero Span	
10.0					Full Span	
0.00					Start Freq 2.422000000 GHz	
-10.0					Stop Freq 2.422000000 GHz	
-30.0					AUTO TUNE	
-40.0					CF Step 1.000000 MHz	
-60.0					Auto Man	
-70.0					Freq Offset 0 Hz	
Center 2.422000000 GHz #Res BW 1.0 MHz	#Video BW 3.0	MHz	Sweep 8.33 m	Span 0 Hz is (1001 pts)	X Axis Scale Log Lin	
	Aug 18, 2022 4:45:06 PM				Signal Track (Span Zoom)	





MAXIMUM CONDUCTED(AVERAGE) OUTPUT POWER





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	MAXIM	UM CONDU	JCTED(AVERAGE) OUTPUT POWER	
Test Model		_	802.11b		
		C	hannel 11: 2462MI	Hz	
Spectrum Analyzer 1 Channel Power				Frequency 🔻 🛃	÷
L L Coupling: DC C L L Align: Auto F	nput Z: 50 Ω Atten: 20 dB Corr CCorr µW Path: Standa Freq Ref: Int (S) #PNO: Fast	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 2.462000000 GHz Avg[Hold:>100/100 Radio Std: None	Center Frequency 2.462000000 GHz Span	
1 Graph v Scale/Div 10.0 dB	Ref LvI Offset 10 Ref Value 20.00 o	.00 dB iBm		30.000 MHz	
Log 10.0				CF Step 3.000000 MHz	
-10.0				Auto Man	
-20.0				Freq Offset 0 Hz	
-30.0					
-50.0					
-70.0					
#Res BW 300.00 kHz	#Video BW 1.000	U MHZ^	Span 30 Sweep 1.00 ms (100	1 pts)	
2 Metrics			`		
Total Channel Power	15.70 dBm / 20.0 MHz				
Total Power Spectral Density	-57.31 dBm/Hz				
	Aug 15, 2022 5:28:27 PM				

MAXIMUM CONDUCTED(AVERAGE) OUTPUT POWER

802.11g Channel 1: 2412MHz



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	MAXIM	IUM CONDU	JCTED(AVERAGE)	OUTPUT POWER	
Test Model			802.11g		
		(Channel 6: 2437MH	Z	
Spectrum Analyzer 1				Frequency	* [法
L Coupling: DC Align: Auto	nput Z: 50 Ω Atten: 20 dB Corr CCorr μW Path: Stanc Freq Ref: Int (S) #PNO: Fast	Trig: Free Run Jard Gate: Off #IF Gain: Low	Center Freq: 2.437000000 GHz Avg Hold:>100/100 Radio Std: None	Center Frequency 2.437000000 GHz	ttings
1 Graph v	Ref LvI Offset 1 Ref Value 20 00	0.00 dB dBm		30.000 MHz	
				CF Step 3.000000 MHz	
0.00				Auto	
-10.0				Freq Offset	
-30.0				0 Hz	
-40.0				****	
-60.0					
-70.0					
Center 2.43700 GHz #Res BW 300.00 kHz	#Video BW 1.00	00 MHz*	Span 30 I Sweep 1.00 ms (1001	MHz pts)	
2 Metrics					
Total Channel Power	11.76 dBm / 20.0 MHz				
Total Power Spectral Density	-61.25 dBm/Hz				
	Aug 15, 2022 5:28:57 PM				

MAXIMUM CONDUCTED(AVERAGE) OUTPUT POWER

802.11g Channel 11: 2462MHz



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	MAXIMUN	I CONDUC	FED(AVERAGE	E) OUTPUT POWE	R
Test Model		8	802.11n(HT20)		
		Cha	nnel 1: 2412M	Ηz	
Spectrum Analyzer 1				Frequency	/ 1器
L L Align: Auto	nput Z: 50 Ω Atten: 20 dB T Corr CCorr µW Path: Standard C Freq Ref: Int (S) #PNO: Fast #	rig: Free Run Cel Gate: Off Avç 4F Gain: Low Ra	nter Freq: 2.412000000 GHz g Hold:>100/100 dio Std: None	Center Frequency 2.412000000 GHz	Settings
1 Graph ▼ Scale/Div 10 0 dB	Ref LvI Offset 10.00 (Ref Value 20.00 dBm	dB		30.000 MHz	
				CF Step 3.000000 MHz	
0.00				Auto	
-10.0				Freq Offset	
-30.0				0 Hz	
-40.0					
-50.0					
-70.0					
Center 2.41200 GHz #Res BW 300.00 kHz	#Video BW 1.0000 M	Hz*	Span 3 Sweep 1.00 ms (100	0 MHz)1 pts)	
2 Metrics v					
Total Channel Power	12.10 dBm / 20.0 MHz				
Total Power Spectral Density	-60.91 dBm/Hz				
= ? ?	Aug 15, 2022				

MAXIMUM CONDUCTED(AVERAGE) OUTPUT POWER 802.11n(HT20)

				Ullar	inei 0. 24.		-		
Spectrum Analy. Channel Power	zer 1 🔻	+						₽	Frequency 🔹 🛃
KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S)	Atten: 20 dB µW Path: Stand #PNO: Fast	Trig: Free Run Jard Gate: Off #IF Gain: Low	Center Freq: 2 Avg Hold:>100 Radio Std: Nor	437000000)/100 ne	GHz	Center Freq 2.43700000	uency 0 GHz
1 Graph	•	I	Ref LvI Offset 1	0.00 dB				30.000 MHz	z
Scale/Div 10.0 Log 10.0 0.00	dB		Ref Value 20.00	dBm				CF Step 3.000000 M Auto	IHz
-10.0 -20.0 -30.0								Freq Offset 0 Hz	
40.0							······		
-70.0			Nidoo BW(1.00)	00 MH-*			op 20 MHz		
#Res BW 300.0	0 kHz	#	VILLEO BAN 1.00		Swee	эр әр 1.00 ms	(1001 pts)		
2 Metrics	•								
Total Chann	el Power	11.63 dBm / 20.	0 MHz						
Total Power	Spectral Densi	ty -61.38 d	Bm/Hz						
		Aug 15, 2022 5:29:37 PM	\square						

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Test Model	MAXIMU	M CONDU	CTED(AVER	AGE) OL	JTPUT POWE	R
	Channel 11: 2462MHz					
Spectrum Analyzer 1					Frequency	▼ 8%
KEYSIGHT Input: RF L Coupling: DC Align: Auto	Input Z: 50 Ω Atten: 20 dB Corr CCorr μW Path: Standard Freq Ref: Int (S) #PNO: Fast	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 2.4620000 Avg Hold:>100/100 Radio Std: None	00 GHz	Center Frequency 2.462000000 GHz	Settings
1 Graph v Scale/Div 10.0 dB	Ref LvI Offset 10.0 Ref Value 20.00 dB	0 dB			30.000 MHz	
Log 10.0					CF Step 3.000000 MHz	
0.00					Auto Man	
-20.0					Freq Offset 0 Hz	
-30.0				······································		
-50.0						
-70.0						
Center 2.46200 GHz #Res BW 300.00 kHz	#Video BW 1.0000 I	MHz*	Sweep 1.00 r	Span 30 MHz ns (1001 pts)		
2 Metrics						
Total Channel Power	12.77 dBm / 20.0 MHz					
Total Power Spectral Density	-60.24 dBm/Hz					
	Aug 15, 2022					
	5:29:47 PM					

MAXIMUM CONDUCTED(AVERAGE) OUTPUT POWER 802.11n(HT40)



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Test Model	MAXIMUM CONDUCTED(AVERAGE) OUTPUT POWER 802.11n(HT40) Channel 11: 2437MHz					
Spectrum Analyzer 1 Channel Power KEYSIGHT Input RF Coupling, DC Align: Auto 1 Graph Scale/Div 10.0 dB Log 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Center 2.43700 GHz #Res BW 1.0000 MHz 2 Metrics Total Channel Power Total Channel Power Total Power Spectral Density	aput Z. 50 Ω pror CCorr req Ref. Int (S) Ref Lvi Offset 10.00 d Ref Value 20.00 dBm #Video BW 3.0000 MH 9.93 dBm / 40.0 MHz -66.09 dBm/Hz -66.09 dBm/Hz	IB	YMT12 IGHz Center Frequency 2.43700000 GHz Settings Span 60.000 MHz Ghz CF Step 6.00000 MHz Auto Man Freq Offset 0 Hz Hz			
€ ∩ ⊂ ₽ ?′	Aug 18, 2022 4:28:14 PM					

MAXIMUM CONDUCTED(AVERAGE) OUTPUT POWER 802.11n(HT40)



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8.3 MAXIMUM POWER SPECTRAL DENSITY

8.3.1 Applicable Standard

According to FCC Part15.247(e) and KDB 558074 D01 15.247 Meas Guidance v05r02

8.3.2 Conformance Limit

The transmitter power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

8.3.3 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

8.3.4 Test Procedure

This procedure shall be used if maximum peak conducted output power was used to demonstrate compliance

The transmitter output (antenna port) was connected to the spectrum analyzer Set analyzer center frequency to DTS channel center frequency. Set the span to 1.5 times the DTS bandwidth.

Set the RBW to: 3 kHz

Set the VBW to:10 kHz.

Set Detector = peak.

Set Sweep time = auto couple.

Set Trace mode = max hold.

Allow trace to fully stabilize.

Use the peak marker function to determine the maximum amplitude level within the RBW. Note: If antenna Gain exceeds 6 dBi, then PSD Limit=8-(Gain- 6)

8.3.5 Test Results

Temperature:	23° C
Relative Humidity:	56%
ATM Pressure:	1011 mbar

Operation Mode	Channel Number	Channel Frequency (MHz)	Measurement Level (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
802.11b	1	2412	-9.76	8	PASS
	6	2437	-10.04	8	PASS
	11	2462	-9.03	8	PASS
802.11g	1	2412	-18.75	8	PASS
	6	2437	-19.04	8	PASS
	11	2462	-17.93	8	PASS
802.11n (HT20)	1	2412	-17.93	8	PASS
	6	2437	-18.42	8	PASS
	11	2462	-17.25	8	PASS
802.11n (HT40)	3	2422	-25.76	8	PASS
	6	2437	-26.31	8	PASS
	9	2452	-25.58	8	PASS

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Power Spectral Density 802.11b



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Power Spectral Density 802.11g



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Power Spectral Density 802.11g



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Power Spectral Density 802.11n (HT20) Channel 6: 2437MHz



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8.4 UNWANTED EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS

8.4.1 Applicable Standard

According to FCC Part15.247(d) and KDB 558074 D01 15.247 Meas Guidance v05r02

8.4.2 **Conformance Limit**

According to FCC Part 15.247(d):

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

8.4.3 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

8.4.4 Test Procedure

The transmitter output (antenna port) was connected to the spectrum analyzer

Reference level measurement

Establish a reference level by using the following procedure:

Set instrument center frequency to DTS channel center frequency.

Set the span to \geq 1.5 times the DTS bandwidth.

Set the RBW = 100 kHz.

Set the VBW \geq 3 x RBW.

Set Detector = peak.

Set Sweep time = auto couple.

Set Trace mode = max hold.

Allow trace to fully stabilize.

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

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

Emission level measurement

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

Set the RBW = 100 kHz.

Set the VBW =300 kHz.

Set Detector = peak

Sweep time = auto couple.

Trace mode = max hold.

Allow trace to fully stabilize.

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

Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) are attenuated by at least the minimum requirements . Report the three highest emissions relative to the limit.

8.4.5 Test Results

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All modes 2.4G 802.11b/g/n have been tested, and the worst result 802.11b recorded was report as below:



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