FCC TEST REPORT

Report No: SSP25070114-2E

FCC ID: 2BQ9Z-SK510

Report No. : SSP25070114-2E

Applicant : Beijing ShixianTechnology Co., Ltd.

Product Name: MR Home Smart Terminal

Model Name : SK510, SK550, SK560

Test Standard: FCC Part 15.247

Date of Issue : 2025-08-11



Shenzhen CCUT Quality Technology Co., Ltd.

1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China; (Tel.:+86-755-23406590 website: www.ccuttest.com)

This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen CCUT Quality Technology Co., Ltd.

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Test Report Basic Information

Applicant..... Beijing ShixianTechnology Co., Ltd.

Room (02), 1602, 16th Floor, Building 12, Taiyang Palace Middle Road,

Address of Applicant..... Chaoyang District, Beijing, China

Manufacturer....: Beijing ShixianTechnology Co., Ltd.

Room (02), 1602, 16th Floor, Building 12, Taiyang Palace Middle Road,

Address of Manufacturer.....: Chaoyang District, Beijing, China

Product Name..... MR Home Smart Terminal

Brand Name....: N/A

Main Model....: SK510

Series Models....: SK550, SK560

FCC Part 15 Subpart C

KDB 558074 D01 15.247 Meas Guidance v05r02

ANSI C63.4-2014

Test Standard....: ANSI C63.10-2013

Date of Test 2025-06-27 to 2025-08-11

Test Result....: PASS

Authorized Signatory..... (Lahm Peng)

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Revision	Issue Date	Description	Revised By
V1.0	2025-08-11	Initial Release	Lahm Peng

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1. General Information

1.1 Product Information

Product Name:	MR Home Smart Terminal
Trade Name:	N/A
Main Model:	SK510
Series Models:	SK550, SK560
Rated Voltage:	DC 12V
Davier Adamton	Input: AC 100-240V/50-60Hz,
Power Adapter:	Output: DC 12V/3A
Test Sample No:	N/A
Hardware Version:	V1.0
Software Version:	V1.0

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Note 1: The test data is gathered from a production sample, provided by the manufacturer.

Note 2: The listed series name is different from the main model, but the circuit and electronic structure are the same, as declared by the manufacturer.

Wireless Specification	
Wireless Standard:	802.11b/g/n
Operating Frequency	2412MHz ~ 2462MHz for 802.11b/g/n(HT20)
Operating Frequency:	2422MHz ~ 2452MHz for 802.11n(HT40)
RF Output Power:	14.51dBm (Conducted)
Number of Channel:	11/7
Channel Separation:	5MHz
Modulation:	CCK, OFDM, QPSK, BPSK, 16QAM, 64QAM
Antenna Gain:	2.04dBi
Type of Antenna:	Internal Antenna
Type of Device:	☐ Portable Device ☐ Modular Device

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1.2 Test Setup Information

List of Test Modes						
Test Mode	De	escription		Remark		
TM1	8	302.11b		2412MHz/2437MH	z/2462MHz	
TM2	8	302.11g		2412MHz/2437MH	z/2462MHz	
TM3	802	11n(H20)		2412MHz/2437MH	z/2462MHz	
TM4	802	11n(H40)		2422MHz/2437MH	z/2452MHz	
List and Details of Auxiliary Cable						
Description Length (cm)			Shielded/Unshielded	With/Without Ferrite		
-				-	-	
-		-		-	-	
List and Detai	ls of Auxiliary	y Equipment				
Description Manufacturer Model Serial Number					Serial Number	
AC/DC AI	APTER Shenzhen Runfeng Power Technology Co., LTD		RSF-DY098B-1203000CN	-		
-				-	-	

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List of Chann	iels						
No. of	Frequency	No. of	Frequency	No. of	Frequency	No. of	Frequency
Channel	(MHz)	Channel	(MHz)	Channel	(MHz)	Channel	(MHz)
01	2412	05	2432	09	2452	13	
02	2417	06	2437	10	2457	14	
03	2422	07	2442	11	2462	15	
04	2427	08	2447	12		16	

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1.3 Compliance Standards

Compliance Standards			
ECC Davit 15 Calmant C	FEDERAL COMMUNICATIONS COMMISSION, RADIO FREQUENCY DEVICES,		
FCC Part 15 Subpart C	Intentional Radiators		
All measurements contained	d in this report were conducted with all above standards		
According to standards for	or test methodology		
ECC Dont 15 Cubnant C	FEDERAL COMMUNICATIONS COMMISSION, RADIO FREQUENCY DEVICES,		
FCC Part 15 Subpart C	Intentional Radiators		
KDB 558074 D01 15.247	GUIDANCE FOR COMPLIANCE MEASUREMENTS ON DIGITAL TRANSMISSION SYSTEM,		
Meas Guidance v05r02	FREQUENCY HOPPING SPREAD SPECTRUM SYSTEM, AND HYBRID SYSTEM DEVICES		
Meas Guidance vosi oz	OPERATING UNDER SECTION 15.247 OF THE FCC RULES		
ANSI C63.4-2014	American National Standard for Methods of Measurement of Radio-Noise Emissions from		
ANSI C05.4-2014	Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.		
ANSI C63.10-2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless		
ANSI C03.10-2013	Devices		
Maintenance of compliance is the responsibility of the manufacturer or applicant. Any modification of the product, which			
result is lowering the emission, should be checked to ensure compliance has been maintained.			

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1.4 Test Facilities

	Shenzhen CCUT Quality Technology Co., Ltd.			
Laboratory Name:	1F, Building 35, Changxing Technology Industrial Park, Yutang Street,			
	Guangming District, Shenzhen, Guangdong, China			
CNAS Laboratory No.:	L18863			
A2LA Certificate No.:	6893.01			
FCC Registration No:	583813			
FCC Designation No.:	CN1373			
ISED Registration No.:	CN0164			
All management facilities used to collect the management date are legated at 1E Duilding 2E Changeing				

All measurement facilities used to collect the measurement data are located at 1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China.

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1.5 List of Measurement Instruments

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
Conducted Emissions					
AMN	ROHDE&SCHWARZ	ENV216	101097	2024-08-07	2025-08-06
EMI Test Receiver	ROHDE&SCHWARZ	ESPI	100242	2024-08-07	2025-08-06
Test Cable	N/A	Cable 5	N/A	2024-08-07	2025-08-06
EMI Test Software	FARA	EZ-EMC	EMEC-3A1+	N/A	N/A
		Radiated Emission	ıs		•
EMI Test Receiver	ROHDE&SCHWARZ	ESPI	100154	2024-08-07	2025-08-06
Spectrum Analyzer	KEYSIGHT	N9020A	MY48030972	2024-08-07	2025-08-06
Spectrum Analyzer	ROHDE&SCHWARZ	FSV40-N	101692	2024-08-07	2025-08-06
Amplifier	SCHWARZBECK	BBV 9743B	00251	2024-08-07	2025-08-06
Amplifier	HUABO	YXL0518-2.5-45		2024-08-07	2025-08-06
Amplifier	COM-MW	DLAN-18G-4G-02	10229104	2024-08-07	2025-08-06
Loop Antenna	DAZE	ZN30900C	21104	2024-08-03	2025-08-02
Broadband Antenna	SCHWARZBECK	VULB 9168	01320	2024-08-03	2025-08-02
Horn Antenna	SCHWARZBECK	BBHA 9120D	02553	2024-08-03	2025-08-02
Horn Antenna	COM-MW	ZLB7-18-40G-950	12221225	2024-08-03	2025-08-02
Attenuator	QUANJUDA	6dB	220731	2024-08-07	2025-08-06
Test Cable	N/A	Cable 1	N/A	2024-08-07	2025-08-06
Test Cable	N/A	Cable 2	N/A	2024-08-07	2025-08-06
Test Cable	N/A	Cable 3	N/A	2024-08-07	2025-08-06
Test Cable	N/A	Cable 4	N/A	2024-08-07	2025-08-06
Test Cable	N/A	Cable 8	N/A	2024-08-07	2025-08-06
Test Cable	N/A	Cable 9	N/A	2024-08-07	2025-08-06
EMI Test Software	FARA	EZ-EMC	FA-03A2 RE+	N/A	N/A
		Conducted RF Testi	ng		•
RF Test System	MWRFTest	MW100-RFCB	220418SQS-37	2024-08-07	2025-08-06
Spectrum Analyzer	KEYSIGHT	N9020A	ATO-90521	2024-08-07	2025-08-06
RF Test Software	MWRFTest	MTS 8310	N/A	N/A	N/A
Laptop	Lenovo	ThinkPad E15 Gen 3	SPPOZ22485	N/A	N/A

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	Manufacturer	Model	version	Test power levels
DUT Test Software	/	adb	/	Maximum

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1.6 Measurement Uncertainty

Test Item	Conditions	Uncertainty
Conducted Emissions	9kHz ~ 30MHz	±1.64 dB
	9kHz ~ 30MHz	±2.88 dB
Dadiated Emissions	30MHz ∼ 1GHz	±3.32 dB
Radiated Emissions	1GHz ~ 18GHz	±3.50 dB
	18GHz ~ 40GHz	±3.66 dB
Conducted Output Power	9kHz ~ 26GHz	±0.50 dB
Occupied Bandwidth	9kHz ~ 26GHz	±4.0 %
Conducted Spurious Emission	9kHz ~ 26GHz	±1.32 dB
Power Spectrum Density	9kHz ~ 26GHz	±0.62 dB

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2. Summary of Test Results

FCC Rule	Description of Test Item	Result
FCC Part 15.203	Antenna Requirement	Passed
FCC Part 15.247(i)	RF Exposure(see the RF exposure report)	Passed
FCC Part 15.207	Conducted Emissions	Passed
FCC Part 15.209, 15.247(d), 15.205	Radiated Emissions	Passed
FCC Part 15.209, 15.247(d), 15.205	Band-edge Emissions(Radiated)	Passed
FCC Part 15.247(b)(3)	Maximum Conducted Output Power	Passed
FCC Part 15.247(a)(2)	Occupied Bandwidth	Passed
FCC Part 15.247(e)	Maximum Power Spectral Density	Passed
FCC Part 15.209, 15.247(d), 15.205	Band-edge Emissions(Conducted)	Passed
FCC Part 15.209, 15.247(d), 15.205	Conducted RF Spurious Emissions	Passed

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Passed: The EUT complies with the essential requirements in the standard

Failed: The EUT does not comply with the essential requirements in the standard

N/A: Not applicable

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3. Antenna Requirement

3.1 Standard and Limit

According to FCC Part 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

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3.2 Test Result

This product has an internal antenna, fulfill the requirement of this section.

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4. Conducted Emissions

4.1 Standard and Limit

According to the rule FCC Part 15.207, Conducted emissions limit, the limit for a wireless device as below:

Frequency of Emission	Conducted emissions (dBuV)			
(MHz)	Quasi-peak	Average		
0.15-0.5	66 to 56	56 to 46		
0.5-5	56	46		
5-30	60	50		

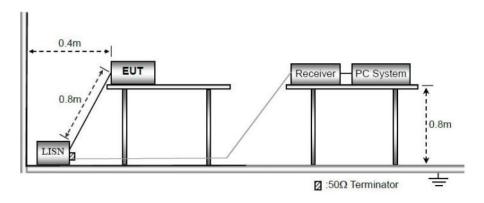
Report No: SSP25070114-2E

Note 1: Decreases with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz

Note 2: The lower limit applies at the band edges

4.2 Test Procedure

Test is conducting under the description of ANSI C63.10 - 2013 section 6.2.



Test Setup Block Diagram

- a) The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.
- b) The following is the setting of the receiver

Attenuation: 10dB

Start Frequency: 0.15MHz Stop Frequency: 30MHz IF Bandwidth: 9kHz

c) The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

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d) Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

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- e) I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- f) LISN is at least 80 cm from nearest part of EUT chassis.
- g) For the actual test configuration, please refer to the related Item photographs of the test setup.

4.3 Test Data and Results

All of the 802.11b, 802.11g and 802.11n modes have been tested, the EUT complied with the FCC Part 15.207 standard limit for a wireless device, and with the worst case $802.11b_2412MHz$ as below:

Remark: Level = Reading + Factor, Margin = Level - Limit

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ested Mod	le:	TM1							
est Voltag	e:	AC 120	V/60Hz						
est Power	Line:	Neutra	1						
emark:									
80.0	dBuV								
70									
60 4	-					FC	C Part15 CE-	Class B_QP	
80	3								
50	MALIA	5					C Part15 CE-	Class B_AVG	
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10 0.0 0.1	50	0.5	500	(MI	Hz)	5.000		A WA	30.0
0.0	50			170		200404		A HAM	
0.0 0.1	50 No.	Frequency	Reading	Factor	Level	Limit	Margin	Detector	
0.0 0.1	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	30.00
0.0 0.1	No.	Frequency (MHz) 0.1544	Reading (dBuV) 47.73	Factor (dB) 9.76	Level (dBuV) 57.49	Limit (dBuV) 65.76	Margin (dB)	Detector	30.00 P/F
0.0 0.1	No.	Frequency (MHz) 0.1544 0.1544	Reading (dBuV) 47.73 23.35	Factor (dB) 9.76 9.76	Level (dBuV) 57.49 33.11	Limit (dBuV) 65.76 55.76	Margin (dB) -8.27 -22.65	Detector QP AVG	30.00 P/F P
0.0 0.1	No. 1 2 3	Frequency (MHz) 0.1544 0.1544 0.1768	Reading (dBuV) 47.73 23.35 45.79	Factor (dB) 9.76 9.76 9.79	Level (dBuV) 57.49 33.11 55.58	Limit (dBuV) 65.76 55.76 64.63	Margin (dB) -8.27 -22.65 -9.05	Detector QP AVG QP	30.00 P/F P P
0.0 0.1	No. 1 2 3 4	Frequency (MHz) 0.1544 0.1544 0.1768 0.1768	Reading (dBuV) 47.73 23.35 45.79 26.18	Factor (dB) 9.76 9.76 9.79 9.79	Level (dBuV) 57.49 33.11 55.58 35.97	Limit (dBuV) 65.76 55.76 64.63 54.63	Margin (dB) -8.27 -22.65 -9.05 -18.66	Detector QP AVG QP AVG	30.00 P/F P P P
0.0	No. 1 2 3 4 5	Frequency (MHz) 0.1544 0.1544 0.1768 0.1768 0.4783	Reading (dBuV) 47.73 23.35 45.79 26.18 36.98	Factor (dB) 9.76 9.76 9.79 9.79 9.77	Level (dBuV) 57.49 33.11 55.58 35.97 46.75	Limit (dBuV) 65.76 55.76 64.63 54.63 56.37	Margin (dB) -8.27 -22.65 -9.05 -18.66 -9.62	Detector QP AVG QP AVG QP	30.00 P/F P P P
0.0	No. 1 2 3 4 5 6 *	Frequency (MHz) 0.1544 0.1544 0.1768 0.1768 0.4783 0.4783	Reading (dBuV) 47.73 23.35 45.79 26.18 36.98 29.37	Factor (dB) 9.76 9.76 9.79 9.79 9.77	Level (dBuV) 57.49 33.11 55.58 35.97 46.75 39.14	Limit (dBuV) 65.76 55.76 64.63 54.63 56.37 46.37	Margin (dB) -8.27 -22.65 -9.05 -18.66 -9.62 -7.23	Detector QP AVG QP AVG QP AVG	30.00 P/F
0.0	No. 1 2 3 4 5 6 * 7	Frequency (MHz) 0.1544 0.1544 0.1768 0.1768 0.4783 0.4783 1.2341	Reading (dBuV) 47.73 23.35 45.79 26.18 36.98 29.37 28.69	Factor (dB) 9.76 9.76 9.79 9.79 9.77 9.77	Level (dBuV) 57.49 33.11 55.58 35.97 46.75 39.14 38.43	Limit (dBuV) 65.76 55.76 64.63 54.63 56.37 46.37 56.00	Margin (dB) -8.27 -22.65 -9.05 -18.66 -9.62 -7.23 -17.57	Detector QP AVG QP AVG QP AVG QP AVG	30.000 P/F
0.0	No. 1 2 3 4 5 6 * 7 8	Frequency (MHz) 0.1544 0.1544 0.1768 0.1768 0.4783 0.4783 1.2341 1.2341	Reading (dBuV) 47.73 23.35 45.79 26.18 36.98 29.37 28.69 17.57	Factor (dB) 9.76 9.76 9.79 9.79 9.77 9.77 9.74	Level (dBuV) 57.49 33.11 55.58 35.97 46.75 39.14 38.43 27.31	Limit (dBuV) 65.76 55.76 64.63 54.63 56.37 46.37 56.00 46.00	Margin (dB) -8.27 -22.65 -9.05 -18.66 -9.62 -7.23 -17.57 -18.69	Detector QP AVG QP AVG QP AVG QP AVG	30.000 P/F
0.0	No. 1 2 3 4 5 6 * 7 8 9	Frequency (MHz) 0.1544 0.1544 0.1768 0.1768 0.4783 0.4783 1.2341 1.2341 5.9009	Reading (dBuV) 47.73 23.35 45.79 26.18 36.98 29.37 28.69 17.57 32.86	Factor (dB) 9.76 9.76 9.79 9.77 9.77 9.77 9.74 9.80	Level (dBuV) 57.49 33.11 55.58 35.97 46.75 39.14 38.43 27.31 42.66	Limit (dBuV) 65.76 55.76 64.63 54.63 56.37 46.37 56.00 46.00	Margin (dB) -8.27 -22.65 -9.05 -18.66 -9.62 -7.23 -17.57 -18.69 -17.34	Detector QP AVG QP AVG QP AVG QP AVG QP AVG	P/F P P P P P P
0.0	No. 1 2 3 4 5 6 * 7 8 9 10	Frequency (MHz) 0.1544 0.1544 0.1768 0.1768 0.4783 0.4783 1.2341 1.2341 5.9009 5.9009	Reading (dBuV) 47.73 23.35 45.79 26.18 36.98 29.37 28.69 17.57 32.86 22.63	Factor (dB) 9.76 9.76 9.79 9.79 9.77 9.74 9.74 9.80 9.80	Level (dBuV) 57.49 33.11 55.58 35.97 46.75 39.14 38.43 27.31 42.66 32.43	Limit (dBuV) 65.76 55.76 64.63 54.63 56.37 46.37 56.00 46.00 60.00 50.00	Margin (dB) -8.27 -22.65 -9.05 -18.66 -9.62 -7.23 -17.57 -18.69 -17.34 -17.57	Detector QP AVG QP AVG QP AVG QP AVG QP AVG	30.000 P/F
0.0	No. 1 2 3 4 5 6 * 7 8 9	Frequency (MHz) 0.1544 0.1544 0.1768 0.1768 0.4783 0.4783 1.2341 1.2341 5.9009	Reading (dBuV) 47.73 23.35 45.79 26.18 36.98 29.37 28.69 17.57 32.86	Factor (dB) 9.76 9.76 9.79 9.77 9.77 9.77 9.74 9.80	Level (dBuV) 57.49 33.11 55.58 35.97 46.75 39.14 38.43 27.31 42.66	Limit (dBuV) 65.76 55.76 64.63 54.63 56.37 46.37 56.00 46.00	Margin (dB) -8.27 -22.65 -9.05 -18.66 -9.62 -7.23 -17.57 -18.69 -17.34	Detector QP AVG QP AVG QP AVG QP AVG QP AVG	P/F P P P P P P

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sted Mod	de:	TM1							
st Voltag	ge:	AC 120	V/60Hz						
st Power	Line:	Live							
mark:									
80.0	dBuV								
70									
60	-					F	C Part15 CE-	Class B_QP	
1	*								
50	Amo	3 %				F	C Part15 CE-	Class B_AVG	
	4 11 . 44	1 N				9 1	•		
40 2		WA MAN SE		· ·	My Johnson March of Joseph Commercial Commer	Miran Market	Way I		
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10 0.0 0.1	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	5.000 Limit (dBuV)	Margin (dB)	Detector	HIP'
10 0.0 0.1		Frequency	Reading	Factor	Level	Limit		Detector	30.00
10 0.0 0.1	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	(dB)		30.00
10 0.0 0.1	No.	Frequency (MHz) 0.1544	Reading (dBuV) 45.41	Factor (dB) 9.68	Level (dBuV) 55.09	Limit (dBuV) 65.76	(dB) -10.67	QP	30.00 P/F
10 0.0 0.1	No.	Frequency (MHz) 0.1544 0.1544	Reading (dBuV) 45.41 27.81	Factor (dB) 9.68 9.68	Level (dBuV) 55.09 37.49	Limit (dBuV) 65.76 55.76	(dB) -10.67 -18.27	QP AVG	30.00 P/F P
10 0.0 0.1	No. 1 * 2 3	Frequency (MHz) 0.1544 0.1544 0.2444	Reading (dBuV) 45.41 27.81 38.43	Factor (dB) 9.68 9.68 9.71	Level (dBuV) 55.09 37.49 48.14	Limit (dBuV) 65.76 55.76 61.95	(dB) -10.67 -18.27 -13.81	QP AVG QP	30.00 P/F P
10 0.0 0.1	No. 1 * 2 3 4	Frequency (MHz) 0.1544 0.1544 0.2444 0.2444	Reading (dBuV) 45.41 27.81 38.43 20.57	Factor (dB) 9.68 9.68 9.71 9.71	Level (dBuV) 55.09 37.49 48.14 30.28	Limit (dBuV) 65.76 55.76 61.95 51.95	(dB) -10.67 -18.27 -13.81 -21.67	QP AVG QP AVG	30.00 P/F P P
0.0	No. 1 * 2 3 4 5	Frequency (MHz) 0.1544 0.1544 0.2444 0.2444 0.4828	Reading (dBuV) 45.41 27.81 38.43 20.57 33.08 24.25	Factor (dB) 9.68 9.68 9.71 9.71	Level (dBuV) 55.09 37.49 48.14 30.28 42.78	Limit (dBuV) 65.76 55.76 61.95 51.95 56.29	(dB) -10.67 -18.27 -13.81 -21.67 -13.51	QP AVG QP AVG QP	30.00 P/F P P P
0.0	No. 1 * 2 3 4 5 6 7	Frequency (MHz) 0.1544 0.1544 0.2444 0.2444 0.4828 0.4828 1.8192	Reading (dBuV) 45.41 27.81 38.43 20.57 33.08 24.25 26.92	Factor (dB) 9.68 9.68 9.71 9.71 9.70 9.70	Level (dBuV) 55.09 37.49 48.14 30.28 42.78 33.95 36.61	Limit (dBuV) 65.76 55.76 61.95 51.95 56.29 46.29 56.00	(dB) -10.67 -18.27 -13.81 -21.67 -13.51 -12.34 -19.39	QP AVG QP AVG QP AVG	30.00 P/F P P P P
0.0	No. 1 * 2 3 4 5 6 7 8	Frequency (MHz) 0.1544 0.1544 0.2444 0.2444 0.4828 0.4828 1.8192 1.8192	Reading (dBuV) 45.41 27.81 38.43 20.57 33.08 24.25 26.92 14.05	Factor (dB) 9.68 9.68 9.71 9.70 9.70 9.69 9.69	Level (dBuV) 55.09 37.49 48.14 30.28 42.78 33.95 36.61 23.74	Limit (dBuV) 65.76 55.76 61.95 51.95 56.29 46.29 56.00 46.00	(dB) -10.67 -18.27 -13.81 -21.67 -13.51 -12.34 -19.39 -22.26	QP AVG QP AVG QP AVG QP AVG	30.00 P/F P P P P P P
0.0	No. 1 * 2 3 4 5 6 7 8 9	Frequency (MHz) 0.1544 0.1544 0.2444 0.2444 0.4828 0.4828 1.8192 1.8192 6.0674	Reading (dBuV) 45.41 27.81 38.43 20.57 33.08 24.25 26.92 14.05 32.17	Factor (dB) 9.68 9.68 9.71 9.70 9.70 9.69 9.69 9.72	Level (dBuV) 55.09 37.49 48.14 30.28 42.78 33.95 36.61 23.74 41.89	Limit (dBuV) 65.76 55.76 61.95 51.95 56.29 46.29 56.00 46.00	(dB) -10.67 -18.27 -13.81 -21.67 -13.51 -12.34 -19.39 -22.26 -18.11	QP AVG QP AVG QP AVG QP AVG	30.00 P/F P P P P P P
0.0	No. 1 * 2 3 4 5 6 7 8	Frequency (MHz) 0.1544 0.1544 0.2444 0.2444 0.4828 0.4828 1.8192 1.8192	Reading (dBuV) 45.41 27.81 38.43 20.57 33.08 24.25 26.92 14.05	Factor (dB) 9.68 9.68 9.71 9.70 9.70 9.69 9.69	Level (dBuV) 55.09 37.49 48.14 30.28 42.78 33.95 36.61 23.74	Limit (dBuV) 65.76 55.76 61.95 51.95 56.29 46.29 56.00 46.00	(dB) -10.67 -18.27 -13.81 -21.67 -13.51 -12.34 -19.39 -22.26	QP AVG QP AVG QP AVG QP AVG	30.00 P/F P P P P P P

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5. Radiated Emissions

5.1 Standard and Limit

According to §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. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

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According to the rule FCC Part 15.209, Radiated emission limit for a wireless device as below:

Frequency of Emission	Field Strength	Measurement Distance
(MHz)	(micorvolts/meter)	(meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3
Note: The more stringent limit applies	at transition frequencies.	

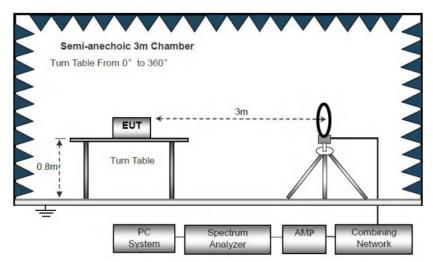
The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply. Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

Note: Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

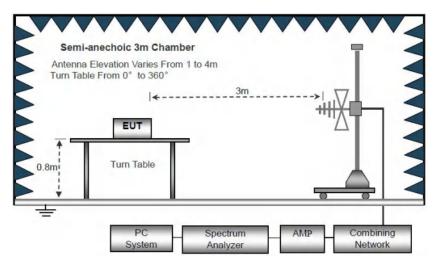
5.2 Test Procedure

Test is conducting under the description of ANSI C63.10 - 2013 section 6.3 to 6.6.

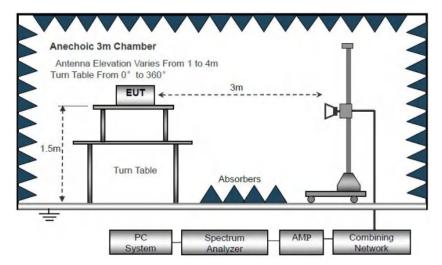
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Block Diagram of Radiated Emission Below 30MHz



Block Diagram of Radiated Emission From 30MHz to 1GHz



Block Diagram of Radiated Emission Above 1GHz

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 $1.5\mbox{m}$ above ground plane for test frequency range above 1GHz.

b) EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest

emissions.

c) Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \ge 1$ GHz, 100 kHz for f < 1 GHz, 10kHz for f < 30MHz

VBW ≥ RBW, Sweep = auto

Detector function = peak

Trace = max hold

d) Follow the guidelines in ANSI C63.4-2014 with respect to maximizing the emission by rotating the EUT,

adjusting the measurement antenna height and polarization, etc. The peak reading of the emission, after being

corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, submit this data. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.

e) The peak level, once corrected, must comply with the limit specified in Section 15.209. Set the RBW = 1MHz,

VBW = 10Hz, Detector = PK for AV value, while maintaining all of the other instrument settings.

f) For the actual test configuration, please refer to the related item - EUT test photos.

5.3 Test Data and Results

All of the 802.11b, 802.11g and 802.11n modes have been tested, the EUT complied with the FCC Part 15.247

standard limit for a wireless device, and with the worst case 802.11b_2412MHz as below:

Remark: Level = Reading + Factor, Margin = Level - Limit

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ed Mo	l Mode: TM1													
est Volta	ge:		A	AC 120V/60Hz										
est Anter		arization		orizonta										
emark:														
80.0	dBuV/	m ,												
70														
10														
60													+	1
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0.0 30	.000	Frequ	60.00 lency dz)	Read	ding	(MHz)	Level	Lin	V/m)		B)	0,*		7
0.0 30	No.	Frequ (M)	60.00 lency Hz)	Read (dB)	ding uV)	Factor (dB/m)	Level (dBuV/m)	Lin (dBu	V/m) 50	(di	B) .32	C	ector	7
0.0 30	No.	Frequ (Mi	60.00 Hency Hz) 0065 3975	Read (dBt	ding uV) 82	Factor (dB/m) -17.64	Level (dBuV/m) 28.18	Lin (dBu)	V/m) 50 50	(di -15	B) .32 54	C	ector	7
0.0 30	No. 1 2	Frequ (Mr 125.0	60.00 Hency Hz) 0065 3975 3201	Read (dBt 45.	ding uV) 82 52	Factor (dB/m) -17.64 -19.56	Level (dBuV/m) 28.18 36.96	Lin (dBu) 43.	V/m) 50 50 00	-15 -6.	B) .32 54 60	0	ector QP QP	7
0.0 30	No. 1 2 3 *	Frequ (Mi 125.0 206.3 323.3	60.00 lency Hz) 0065 3975 3201 1791	Read (dB) 45. 56.	ding uV) 82 52 40	Factor (dB/m) -17.64 -19.56 -16.00	Level (dBuV/m) 28.18 36.96 42.40	Lin (dBu) 43. 43.	V/m) 50 50 00	(di -15 -6.	32 54 60 90	0	P QP QP	7

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		n Test Data	-		IGIIZ)					
ested Mod			TM							
Test Voltag				120V/	60Hz					
Test Anten	na Pola	arization:	Ver	tical						
Remark:										
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70										
60										\perp
							FE	C Part15 RE-Class	B_30-1000M	IHz
50							M	argin -6 dD		
40								2 3 X	* *	6 X
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0.0	.000		.00			(MHz)	200	0.00		1000.00
30.	.000	60.	.00			(11112)	300	J.00		1000.00
	No.	Frequen (MHz)	-		ding SuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	213.763	32	54	.73	-19.33	35.40	43.50	-8.10	QP
	2 !	323.320	01	56	.59	-16.00	40.59	46.00	-5.41	QP
	3 !	416.179	91	55	.60	-14.37	41.23	46.00	-4.77	QP
	4 *	508.258	31	55	.58	-13.23	42.35	46.00	-3.65	QP
				-	40	-11.56	41.92	46.00	-4.08	QP
	5 !	601.426	35	53	.48	-11.30	41.92	40.00	-4.00	Q.

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Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	PK/AV
'		Low	est Channel (8	02.11b_2412N	ИНz)		
4824	75.63	-14.72	60.91	74	-13.09	Н	PK
4824	59.93	-14.72	45.21	54	-8.79	Н	AV
7236	63.48	-8.41	55.07	74	-18.93	Н	PK
7236	45.93	-8.41	37.52	54	-16.48	Н	AV
4824	77.6	-14.72	62.88	74	-11.12	V	PK
4824	57.95	-14.72	43.23	54	-10.77	V	AV
7236	65.17	-8.41	56.76	74	-17.24	V	PK
7236	47.24	-8.41	38.83	54	-15.17	V	AV
<u>.</u>		Mid	dle Channel (8	02.11b_2437N	ИHz)		
4874	79.43	-14.64	64.79	74	-9.21	Н	PK
4874	60.53	-14.64	45.89	54	-8.11	Н	AV
7311	64.17	-8.28	55.89	74	-18.11	Н	PK
7311	46.04	-8.28	37.76	54	-16.24	Н	AV
4874	77.07	-14.64	62.43	74	-11.57	V	PK
4874	57.08	-14.64	42.44	54	-11.56	V	AV
7311	62.9	-8.28	54.62	74	-19.38	V	PK
7311	47.91	-8.28	39.63	54	-14.37	V	AV
		High	est Channel (8	302.11b_24621	MHz)		
4924	75.94	-14.53	61.41	74	-12.59	Н	PK
4924	61.04	-14.53	46.51	54	-7.49	Н	AV
7386	62.85	-8.13	54.72	74	-19.28	Н	PK
7386	50.94	-8.13	42.81	54	-11.19	Н	AV
4924	74.85	-14.53	60.32	74	-13.68	V	PK
4924	57.12	-14.53	42.59	54	-11.41	V	AV
7386	65.81	-8.13	57.68	74	-16.32	V	PK
7386	48.99	-8.13	40.86	54	-13.14	V	AV

Note 1: this EUT was tested in 3 orthogonal positions and the worst case position data was reported.

Note 2: Testing is carried out with frequency rang 9kHz to the tenth harmonics. The measurements greater than 20dB below the limit from 9kHz to 30MHz.

Note 3: From 9kHz to 30MHz, 18~GHz to 26.5~GHz, no recording is required when the amplitude of stray radiation attenuates by more than 20~dB below the allowable value.

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6. Band-edge Emissions(Radiated)

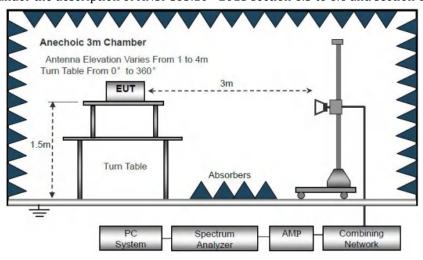
6.1 Standard and Limit

According to §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. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

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6.2 Test Procedure

Test is conducting under the description of ANSI C63.10 - 2013 section 6.3 to 6.6 and section 6.10.



Test Setup Block Diagram

As the radiated emissions testing, set the Lowest and Highest Transmitting Channel, observed the outside band of 2310MHz to 2400MHz and 2483.5MHz to 2500MHz, than mark the higher-level emission for comparing with the FCC rules.

6.3 Test Data and Results

Based on all tested data, the EUT complied with the FCC Part 15.247 standard limit, and with the worst case as below:

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Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	PK/AV
		Low	est Channel (8	02.11n_2412N	 ИНz)		
2310	67.41	-21.34	46.07	74	-27.93	Н	PK
2310	51.5	-21.34	30.16	54	-23.84	Н	AV
2390	65.31	-20.96	44.35	74	-29.65	Н	PK
2390	49.19	-20.96	28.23	54	-25.77	Н	AV
2400	74.51	-20.91	53.6	74	-20.4	Н	PK
2400	54.96	-20.91	34.05	54	-19.95	Н	AV
2310	69.81	-21.34	48.47	74	-25.53	V	PK
2310	50.63	-21.34	29.29	54	-24.71	V	AV
2390	66.63	-20.96	45.67	74	-28.33	V	PK
2390	51.14	-20.96	30.18	54	-23.82	V	AV
2400	71.72	-20.91	50.81	74	-23.19	V	PK
2400	52.17	-20.91	31.26	54	-22.74	V	AV
		High	est Channel (8	802.11n_2462N	MHz)		
2483.50	72.37	-20.51	51.86	74	-22.14	Н	PK
2483.50	53.3	-20.51	32.79	54	-21.21	Н	AV
2500	68.87	-20.43	48.44	74	-25.56	Н	PK
2500	51.58	-20.43	31.15	54	-22.85	Н	AV
2483.50	70.19	-20.51	49.68	74	-24.32	V	PK
2483.50	54.03	-20.51	33.52	54	-20.48	V	AV
2500	67.84	-20.43	47.41	74	-26.59	V	PK
2500	50.03	-20.43	29.6	54	-24.4	V	AV

Remark: Level = Reading + Factor, Margin = Level - Limit

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7. Maximum Conducted Output Power

7.1 Standard and Limit

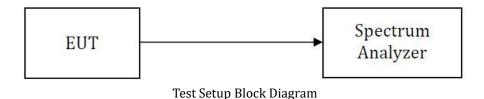
According to 15.247(b)(3). For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the *maximum conducted output power* is the highest total transmit power occurring in any mode.

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7.2 Test Procedure

A spectrum analyzer or similar device shall be used to observe a sample of the modulated transmitter's radio frequency power output.

- 1) A measurement instrument with an integrated channel bandwidth function may be used to automate the test process.
- 2) Connect the EUT to the RF input of the spectrum analyzer via a low loss RF cable
- 3) Set the spectrum analyzer: Set span to >1.5 times the OBW, RBW = 1% to 5% of the OBW, but do not exceed 1 MHz, VBW $\geq [3 \times RBW]$, Sweep = auto; Detector Function = power averaging (rms),. Trace = Max hold.



7.3 Test Data and Results

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Duty Cycle

Test Mode	Test Channel MHz	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
	2412	100	0	0
802.11b	2437	100	0	0
	2462	100	0	0
	2412	100	0	0
802.11g	2437	100	0	0
	2462	100	0	0
	2412	100	0	0
802.11n(HT20)	2437	100	0	0
	2462	100	0	0
	2422	100	0	0
802.11n(HT40)	2437	100	0	0
	2452	100	0	0

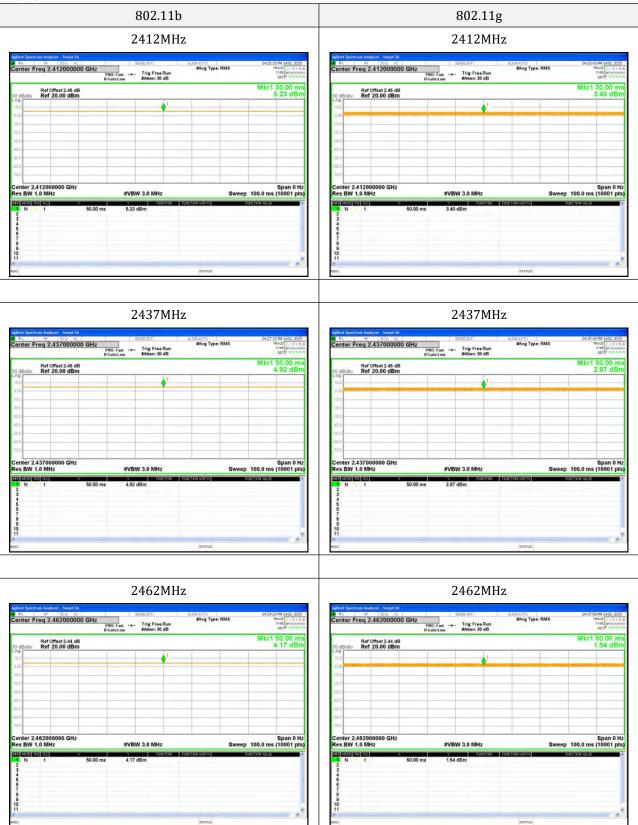
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Test Mode	Test Channel	Conducted Power	Duty Factor	Total Power	Limit	Test
rest Mode	(MHz)	(dBm)	(dB)	(dBm)	(dBm)	Result
	2412	12.34	0	12.34	30	Pass
802.11b	2437	11.75	0	11.75	30	Pass
	2462	11.31	0	11.31	30	Pass
	2412	12.81	0	12.81	30	Pass
802.11g	2437	12.63	0	12.63	30	Pass
	2462	12.34	0	12.34	30	Pass
	2412	14.51	0	14.51	30	Pass
802.11n(HT20)	2437	12.1	0	12.1	30	Pass
	2462	13.28	0	13.28	30	Pass
	2422	11.93	0	11.93	30	Pass
802.11n(HT40)	2437	11.93	0	11.93	30	Pass
	2452	11.29	0	11.29	30	Pass

Note: Total Power = Conducted Power + Duty Factor

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Duty Cycle

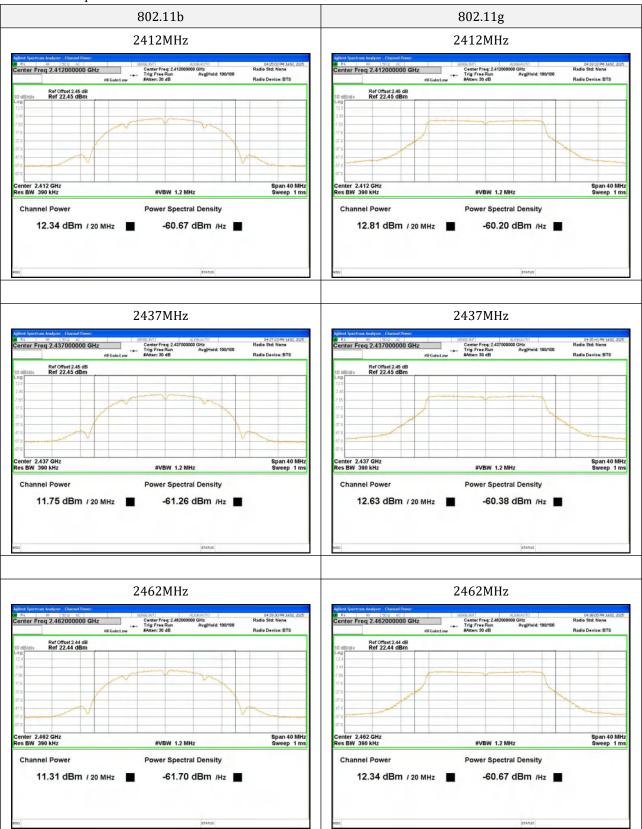


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Conducted Output Power



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8. Occupied Bandwidth

8.1 Standard and Limit

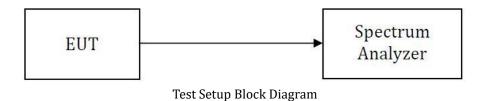
According to 15.247(a)(2), Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

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8.2 Test Procedure

According to the ANSI 63.10-2013, section 6.9, the emission bandwidth test method as follows.

- 1) Remove the antenna from the EUT and connect to the spectrum analyzer via a low loss RF cable.
- 2) Set the spectrum analyzer to any one measured frequency within its operating range.
- 3) 6dB: Set RBW = 100 kHz, VBW $\geq [3 \times \text{RBW}]$, Sweep = Auto. 99%: Set RBW = $1\% \sim 5\%$ of 99% bandwidth, VBW $\geq [3 \times \text{RBW}]$, Sweep = Auto.
- 4) Set a reference level on the measuring instrument equal to the highest peak value.
- 5) Measure the frequency difference of two frequencies that were attenuated 6dB from the reference level. Record the frequency difference as the emission bandwidth.
- 6) Repeat the above procedures until all frequencies measured were complete.



8.3 Test Data and Results

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Test Mode	Test Channel (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	6dB BW Limit (MHz)	Test Result
	2412	10.104	15.029	0.5	Pass
802.11b	2437	10.093	15.014	0.5	Pass
	2462	10.1	15.031	0.5	Pass
	2412	16.519	16.531	0.5	Pass
802.11g	2437	16.529	16.538	0.5	Pass
	2462	16.518	16.554	0.5	Pass
	2412	17.653	17.712	0.5	Pass
802.11n(HT20)	2437	17.646	17.698	0.5	Pass
	2462	17.678	17.684	0.5	Pass
	2422	36.411	36.142	0.5	Pass
802.11n(HT40)	2437	36.42	36.123	0.5	Pass
	2452	36.384	36.138	21.5	Pass

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6dB Bandwidth:

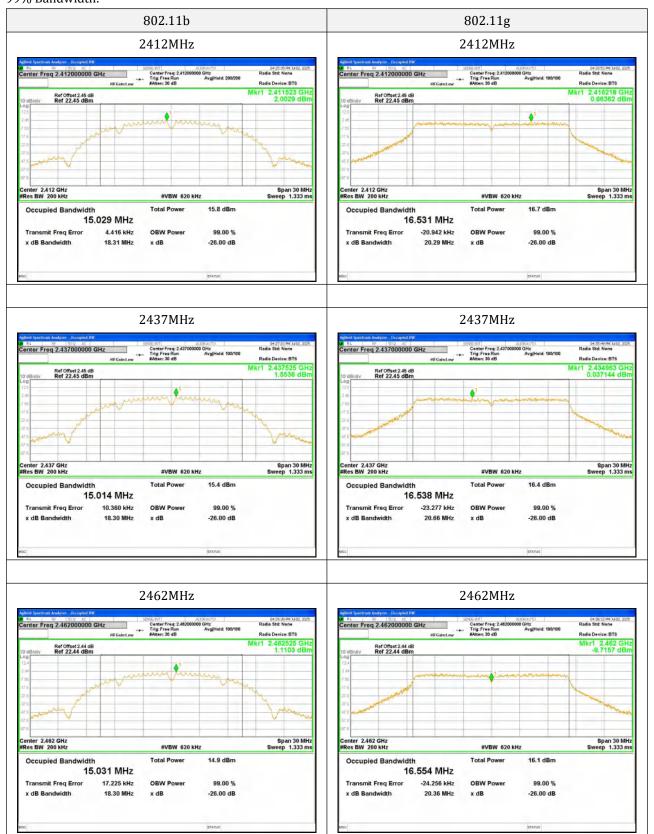


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99% Bandwidth:



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9. Maximum Power Spectral Density

9.1 Standard and Limit

According to FCC 15.247(e), For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

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9.2 Test Procedure

- 1) Remove the antenna from the EUT and connect to the spectrum analyzer via a low loss RF cable.
- 2) Set the spectrum analyzer to any one measured frequency within its operating range.
- 3) Set RBW = 3kHz, VBW = 10kHz, Sweep = Auto, Detector = RMS.
- 4) Measure the highest amplitude appearing on spectral display and mark the value.
- 5) Repeat above procedures until all frequencies measured were complete.



rest setup block blagia

9.3 Test Data and Results

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Test Mode	Test Channel	Conducted PSD	Duty Factor	Total PSD	Limit	Test
	(MHz)	(dBm/3kHz)	(dB)	(dBm/3kHz)	(dBm/3kHz)	Result
802.11b	2412	-22.95	0	-22.95	8	Pass
	2437	-23.05	0	-23.05	8	Pass
	2462	-23.37	0	-23.37	8	Pass
802.11g	2412	-22.55	0	-22.55	8	Pass
	2437	-22.57	0	-22.57	8	Pass
	2462	-22.47	0	-22.47	8	Pass
802.11n(HT20)	2412	-23.28	0	-23.28	8	Pass
	2437	-22.96	0	-22.96	8	Pass
	2462	-23.39	0	-23.39	8	Pass
802.11n(HT40)	2422	-28.45	0	-28.45	8	Pass
	2437	-26.1	0	-26.1	8	Pass
	2452	-27.16	0	-27.16	8	Pass

Note: Total PSD = Conducted PSD + Duty Factor

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10. Band-edge Emission(Conducted)

10.1 Standard and Limit

According to §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. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

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10.2 Test Procedure

Test is conducting under the description of ANSI C63.10 - 2013 section 11.11.2 and 11.11.3.

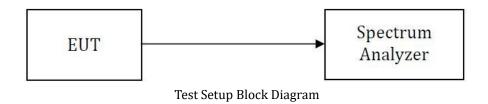
Reference level measurement:

- 1) Remove the antenna from the EUT and connect to the spectrum analyzer via a low loss RF cable.
- 2) Set instrument center frequency to DTS channel center frequency.
- 3) Set the span to 1.5 times the DTS bandwidth.
- 4) Set the RBW = 100 kHz.
- 5) Set the VBW $[3 \times RBW]$.
- 6) Detector = peak.
- 7) Sweep time = auto couple.
- 8) Trace mode = max hold.
- 9) Allow trace to fully stabilize.
- 10) Use the peak marker function to determine the maximum PSD level.

Emission level measurement:

- 1) Set the center frequency and span to encompass frequency range to be measured.
- 2) Set the RBW = 100 kHz.
- 3) Set the VBW $[3 \times RBW]$.
- 4) Detector = peak.
- 5) Sweep time = auto couple.
- 6) Trace mode = max hold.
- 7) Allow trace to fully stabilize.
- 8) Use the peak marker function to determine the maximum amplitude level.

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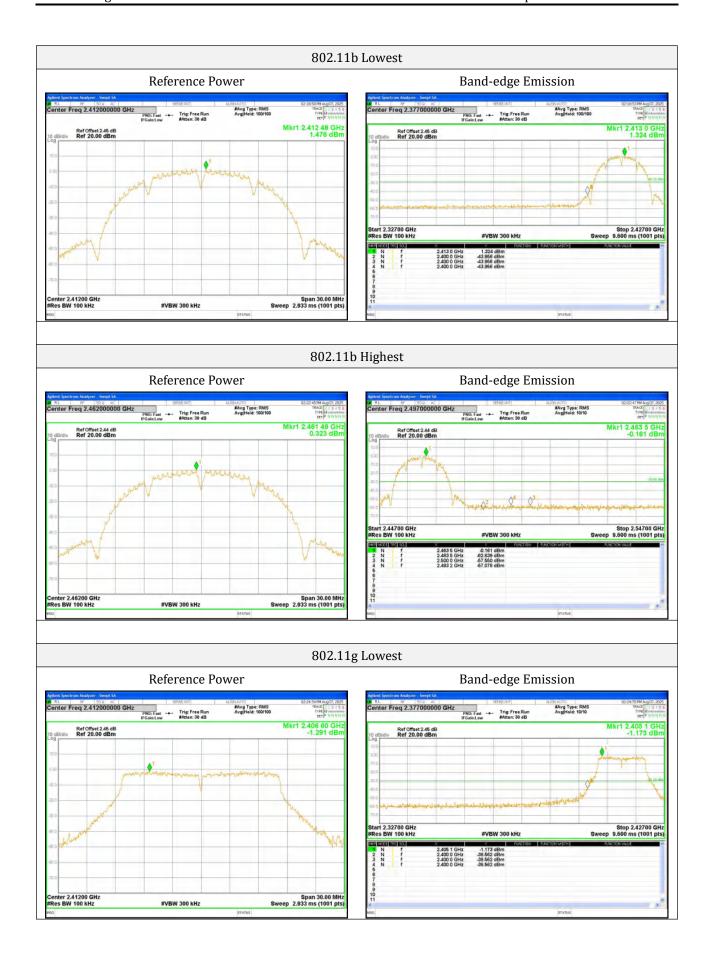
10.3 Test Data and Results

See next page.

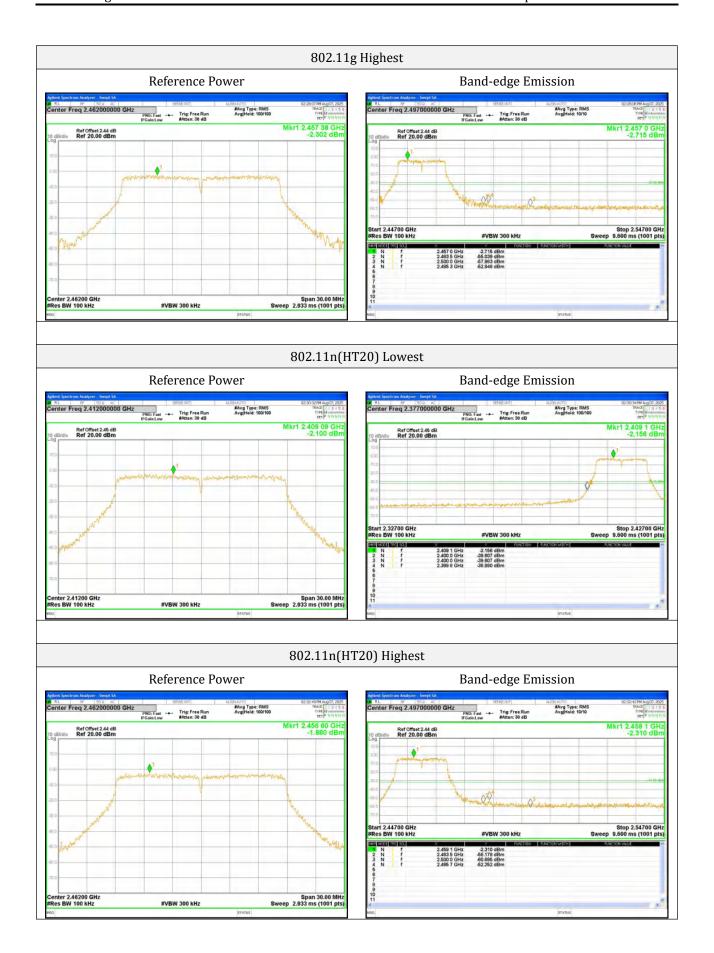
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Test Mode	Band-edge	Test Channel (MHz)	Max. Value (dBc)	Limit (dBc)	Test Result
802.11b	T .		-45.43	-30	D
	Lowest	2412	-45.45	-30	Pass
	Highest	2462	-57.39	-30	Pass
802.11g	Lowest	2412	-37.27	-30	Pass
	Highest	2462	-50.64	-30	Pass
802.11n(HT20)	Lowest	2412	-36.89	-30	Pass
	Highest	2462	-50.37	-30	Pass
802.11n(HT40)	Lowest	2422	-34.66	-30	Pass
	Highest	2452	-43.65	-30	Pass

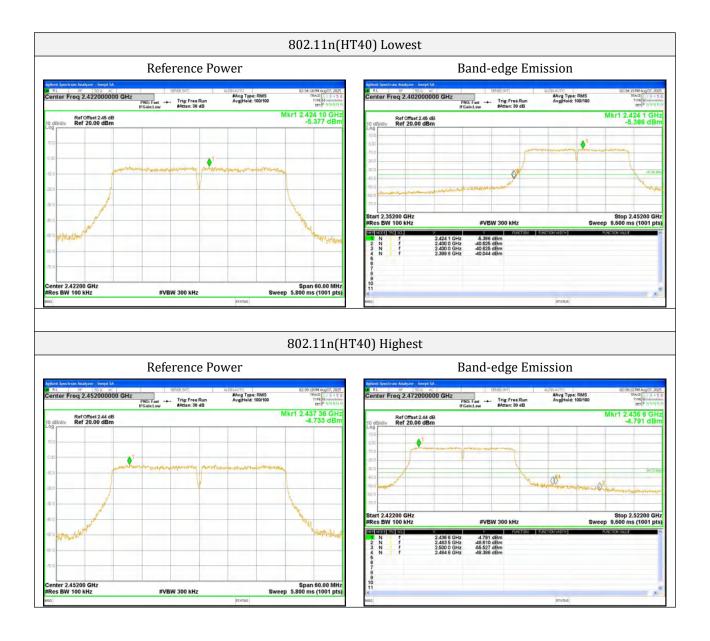
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11.1 Standard and Limit

According to §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. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

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11.2 Test Procedure

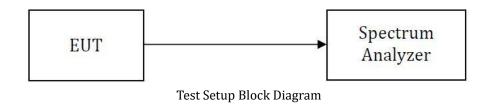
Test is conducting under the description of ANSI C63.10 - 2013 section 11.11.2 and 11.11.3.

Reference level measurement:

- 1) Remove the antenna from the EUT and connect to the spectrum analyzer via a low loss RF cable.
- 2) Set instrument center frequency to DTS channel center frequency.
- 3) Set the span to 1.5 times the DTS bandwidth.
- 4) Set the RBW = 100 kHz.
- 5) Set the VBW $[3 \times RBW]$.
- 6) Detector = peak.
- 7) Sweep time = auto couple.
- 8) Trace mode = max hold.
- 9) Allow trace to fully stabilize.
- 10) Use the peak marker function to determine the maximum PSD level.

Emission level measurement:

- 1) Set the center frequency and span to encompass frequency range to be measured.
- 2) Set the RBW = 100 kHz.
- 3) Set the VBW $[3 \times RBW]$.
- 4) Detector = peak.
- 5) Sweep time = auto couple.
- 6) Trace mode = max hold.
- 7) Allow trace to fully stabilize.
- 8) Use the peak marker function to determine the maximum amplitude level.



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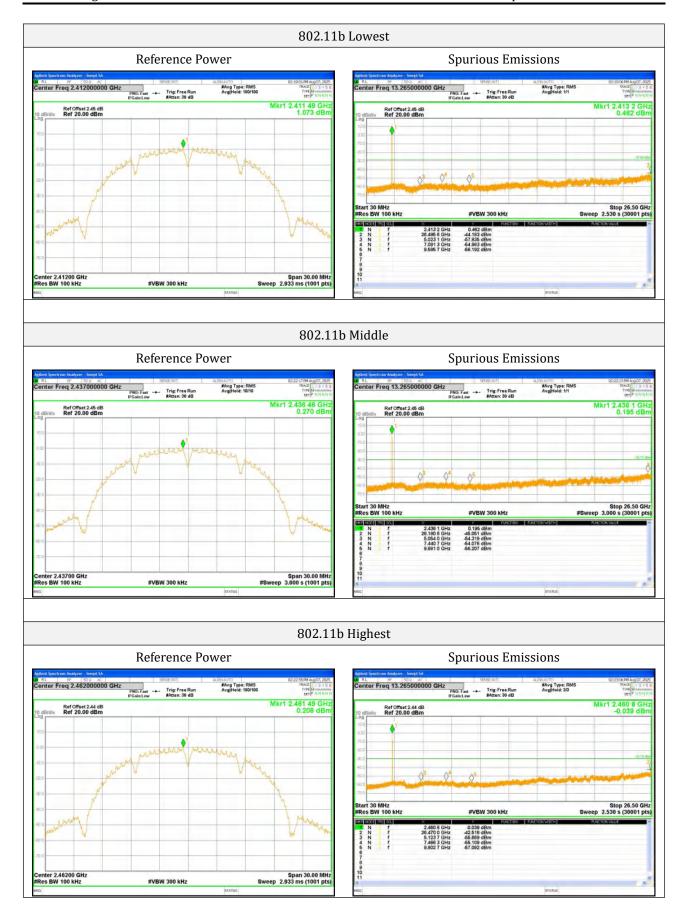
11.3 Test Data and Results

Note: The measurement frequency range is from 9kHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions measurement data.

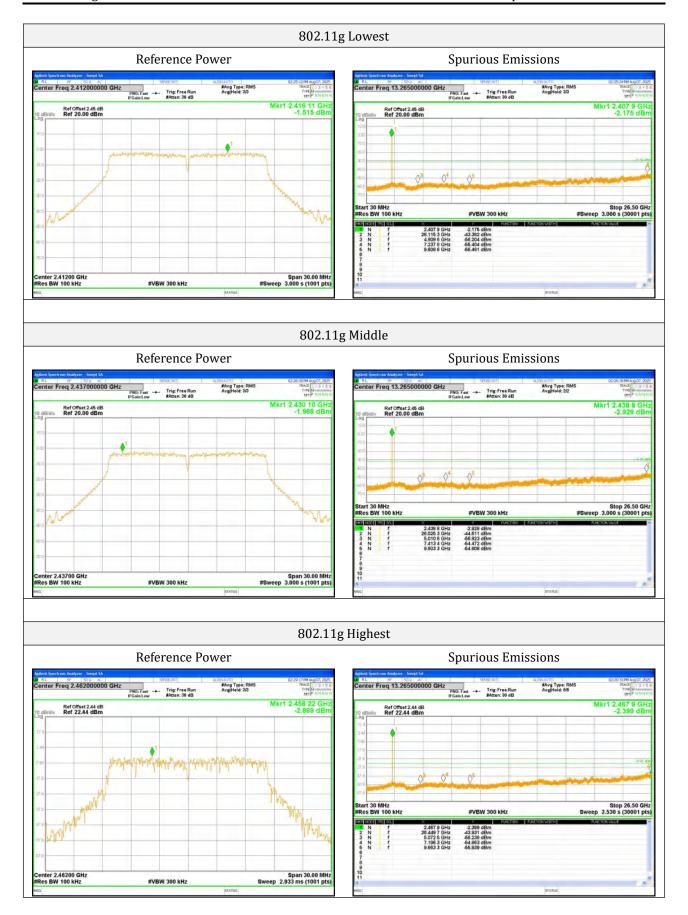
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See next page.

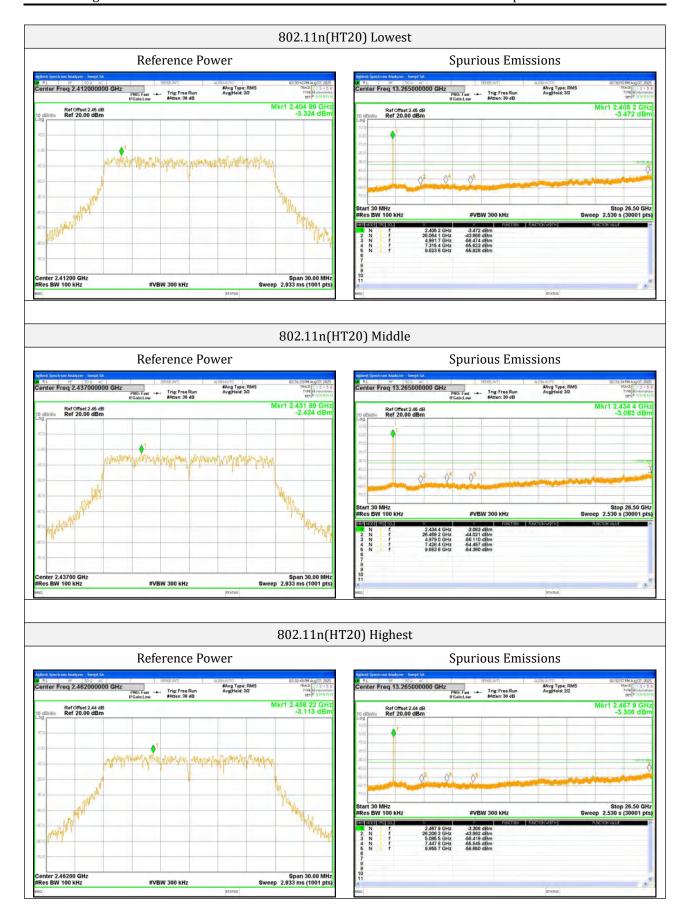
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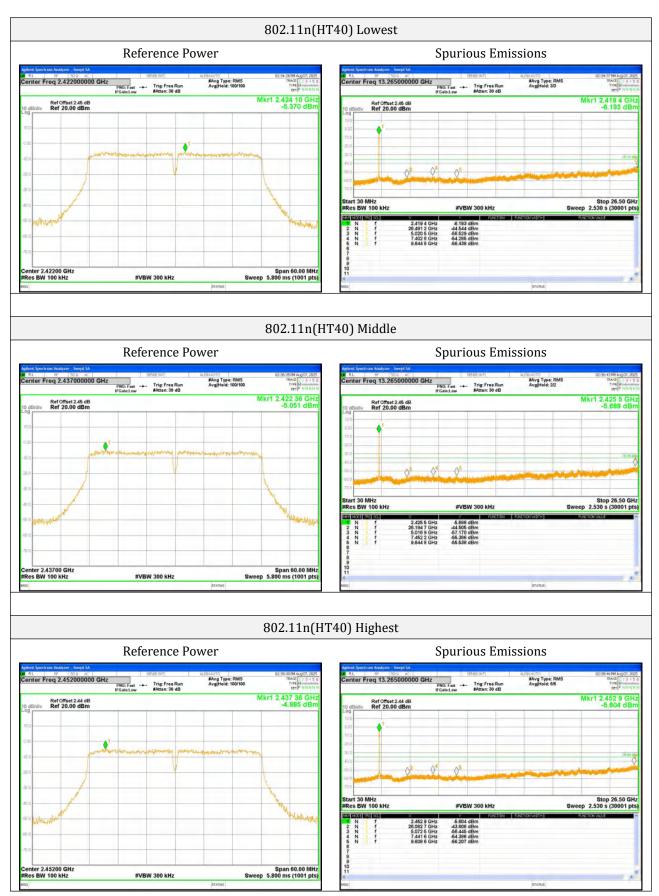
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**** END OF REPORT *****

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