

FCC PART 15 SUBPART C TEST REPORT

FCC PART 15.247

Report Reference No......: **MTWG2209347-R**

FCC ID.....: **2A3YB-YSBG1MAX**

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Date of issue: **September 26, 2022**

Representative Laboratory Name .: **Shenzhen Most Technology Service Co., Ltd.**

Address: No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park,
Nanshan, Shenzhen, Guangdong, China.

Applicant's name.....: **FUJIAN YESOUL HEALTH TECHNOLOGY CO., LTD.**

Address: RM-B616, BLDG., NO.1, STRAIT ECONOMIC AND TRADE, PLAZA,
FUZHOU FREE TRADE ZONE, FUZHOU, FUJIAN, 350000, China

Test specification

Standard: **FCC Part 15.247**

TRF Originator.....: Shenzhen Most Technology Service Co., Ltd.

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Test item description: YESOUL BIKE G1 MAX

Trade Mark: 

Manufacturer: **FUJIAN YESOUL HEALTH TECHNOLOGY CO., LTD.**

Model/Type reference: YS-001

Listed Models: N/A

Modulation Type.....: CCK/DSSS/ OFDM

Operation Frequency.....: From 2412 - 2462MHz

Rating: Input: 100-240V~50/60Hz 2.0A Max

Output: 24V=3.0A

Hardware version: 201-MH358C1K-04 20220729

Software version: Sat Aug 20 21:32:53 CST 2022

Result: **PASS**

TEST REPORT

Equipment under Test : YESOUL BIKE G1 MAX

Model /Type : YS-001

Listed Models : N/A

Remark 

Applicant : FUJIAN YESOUL HEALTH TECHNOLOGY CO., LTD.

Address : RM-B616, BLDG., NO.1, STRAIT ECONOMIC AND TRADE,PLAZA, FUZHOU FREE TRADE ZONE,FUZHOU, FUJIAN,350000,China

Manufacturer : FUJIAN YESOUL HEALTH TECHNOLOGY CO., LTD.

Address : RM-B616, BLDG., NO.1, STRAIT ECONOMIC AND TRADE,PLAZA, FUZHOU FREE TRADE ZONE,FUZHOU, FUJIAN,350000,China

Test Result:	PASS
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The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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1 Revision History

Revision	Issue Date	Revisions	Revised By
00	2022-09-26	Initial Issue	Alisa Luo

2 TEST STANDARDS

The tests were performed according to following standards:

[FCC Rules Part 15.247](#): Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz.

[ANSI C63.10-2013](#): American National Standard for Testing Unlicensed Wireless Devices

[KDB558074 D01 v05r02](#): Guidance for Compliance Measurements on Digital Transmission Systems (DTS) ,Frequency Hopping Spread Spectrum System(HFSS), and Hybrid System Devices Operating Under §15.247 of The FCC rules.

3 SUMMARY

3.1 General Remarks

Date of receipt of test sample	:	2022.08.23
Testing commenced on	:	2022.04.24
Testing concluded on	:	2022.09.22

3.2 Product Description

Product Name:	YESOUL BIKE G1 MAX
Model/Type reference:	YS-001
Power Supply:	Input: 100-240V~50/60Hz 2.0A Max Output: 24V=3.0A
Testing sample ID:	MT22080307
WIFI :	
Supported type:	802.11b/802.11g/802.11n(H20)/802.11n (H40)
Modulation:	802.11b: DSSS 802.11g/802.11n(H20)/802.11n (H40) : OFDM
Operation frequency:	802.11b/802.11g/802.11n(H20): 2412MHz~2462MHz 802.11n(H40): 2422MHz~2452MHz
Channel number:	802.11b/802.11g/802.11n(H20): 11 802.11n(H40): 9
Channel separation:	5MHz
Antenna type:	PCB antenna
Antenna gain:	2.19dBi

3.3 Equipment Under Test

Power supply system utilised

Power supply voltage	:	☐ 230V / 50 Hz	☒ 120V / 60Hz
		☐ 12 V DC	☐ 24 V DC
		☐ Other (specified in blank below)	

Input: 100-240V~50/60Hz 2.0A Max

Output: 24V=3.0A

3.4 Short description of the Equipment under Test (EUT)

This is a YESOUL BIKE G1 MAX

For more details, refer to the user's manual of the EUT.

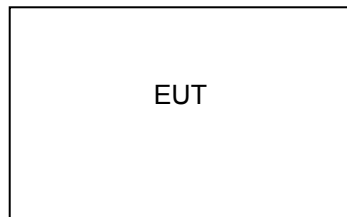
3.5 EUT operation mode

The application provider specific test software(AT command) to control sample in continuous TX and RX (Duty Cycle >98%) for testing meet KDB558074 test requirement.

IEEE 802.11b/g/n: Thirteen channels are provided to the EUT.

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

3.6 Block Diagram of Test Setup



3.7 Test Item (Equipment Under Test) Description*

Short designation	EUT Name	EUT Description	Serial number	Hardware status	Software status
EUT A	/	/	/	/	/
EUT B	/	/	/	/	/

*: declared by the applicant. According to customers information EUTs A and B are the same devices.

3.8 Auxiliary Equipment (AE) Description

AE short designation	EUT Name (if available)	EUT Description	Serial number (if available)	Software (if used)
AE 1	-/	/	/	/
AE 2	-/	/	/	/

3.9 Antenna Information*

Short designation	Antenna Name	Antenna Type	Frequency Range	Serial number	Antenna Peak Gain
Antenna 1	---	PCB antenna	2.4 – 2.5 GHz	---	2.19dbi
Antenna 2	---	PCB antenna	2.4 – 2.5 GHz	---	2.19dbi

*: declared by the applicant.

3.10 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for **FCC ID: 2A3YB-YSBG1MAX** filing to comply with Section 15.247 of the FCC Part 15, Subpart C Rules.

3.11 Modifications

No modifications were implemented to meet testing criteria.

4 TEST ENVIRONMENT

4.1 Address of the test laboratory

Shenzhen Most Technology Service Co., Ltd.

No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.
The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4:2014 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.

4.2 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

FCC-Registration No.: 0031192610

Shenzhen Most Technology Service Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

A2LA-Lab Cert. No.: 6343.01

Shenzhen Most Technology Service Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

4.3 Environmental conditions

Radiated Emission:

Temperature:	24 ° C
Humidity:	48 %
Atmospheric pressure:	950-1050mbar

AC Main Conducted testing:

Temperature:	24 ° C
Humidity:	45 %
Atmospheric pressure:	950-1050mbar

Conducted testing:

Temperature:	24 ° C
Humidity:	45 %
Atmospheric pressure:	950-1050mbar

4.4 Test Description

FCC PART 15.247		
FCC Part 15.207	AC Power Conducted Emission	PASS
FCC Part 15.247(a)(2)	6dB Bandwidth	PASS
FCC Part 15.247(d)	Spurious RF Conducted Emission	PASS
FCC Part 15.247(b)	Maximum Conducted Output Power	PASS
FCC Part 15.247(e)	Power Spectral Density	PASS
FCC Part 15.109/ 15.205/ 15.209	Radiated Emissions	PASS
FCC Part 15.247(d)	Band Edge	PASS
FCC Part 15.203/15.247 (b)	Antenna Requirement	PASS

Data Rate Used:

Preliminary tests were performed in different data rate to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

Test Items	Mode	Data Rate	Channel
Maximum Peak Conducted Output Power Power Spectral Density 6dB Bandwidth Spurious RF conducted emission Radiated Emission 9KHz~1GHz& Radiated Emission 1GHz~10 th Harmonic	11b/DSSS	1 Mbps	1/6/11
	11g/OFDM	6 Mbps	1/6/11
	11n(20MHz)/OFDM	6.5Mbps	1/6/11
	11n(40MHz)/OFDM	6.5Mbps	1/6/11
Band Edge	11b/DSSS	1 Mbps	1/11
	11g/OFDM	6 Mbps	1/11
	11n(20MHz)/OFDM	6.5Mbps	1/11
	11n(40MHz)/OFDM	6.5Mbps	1/11

4.5 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 „Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements“ and is documented in the Shenzhen Most Technology Service Co., Ltd. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen Most Technology Service Co., Ltd. is reported:

Test	Range	Measurement Uncertainty	Notes
Radiated Emission	30~1000MHz	4.10 dB	(1)
Radiated Emission	1~18GHz	4.32 dB	(1)
Radiated Emission	18-40GHz	5.54 dB	(1)
Conducted Disturbance	0.15~30MHz	3.12 dB	(1)

- (1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

4.6 Equipments Used during the Test

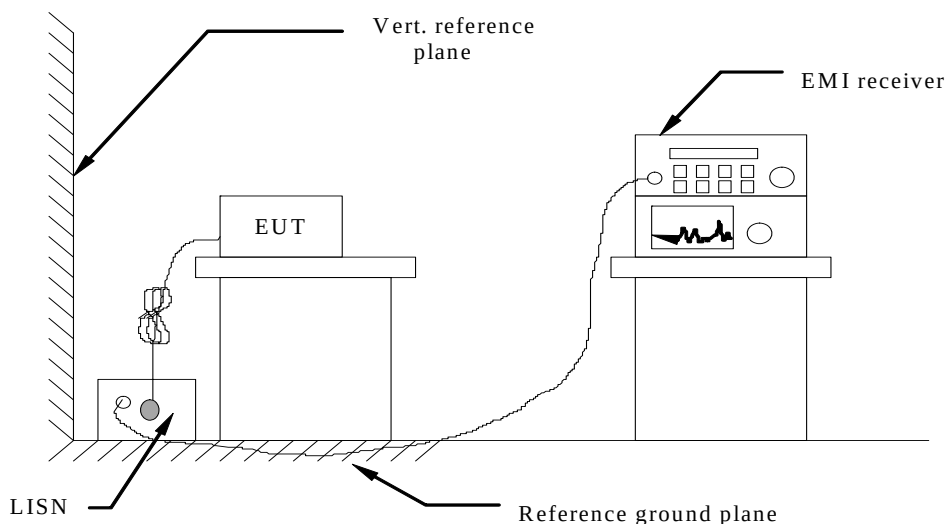
Item	Equipment	Manufacturer	Model No.	Serial No.	Firmware versions	Last Cal.	Cal. Interval
1.	L.I.S.N.	R&S	ENV216	100093	/	2022/04/18	1 Year
2	Three-phase artificial power network	Schwarzback Mess	NNLK8129	8129178	/	2022/04/18	1 Year
3.	Receiver	R&S	ESCI	100492	V3.0-10-2	2022/04/06	1 Year
4	Receiver	R&S	ESPI	101202	V3.0-10-2	2022/04/06	1 Year
5	Spectrum analyzer	Agilent	9020A	MT-E306	A14.16	2022/04/06	1 Year
6	Bilog Antenna	Sunol Sciences	JB3	A121206	/	2022/03/13	1 Year
7	Horn antenna	HF Antenna	HF Antenna	MT-E158	/	2022/04/06	1 Year
8	Loop antenna	Beijing Daze	ZN30900B	/	/	2022/04/17	1 Year
9	Horn antenna	R&S	OBH100400	26999002	/	2022/04/17	1 Year
10	Wireless Communication Test Set	R&S	CMW500	/	CMW-BASE-3.7.21	2022/04/17	1 Year
11	Spectrum analyzer	R&S	FSP	100019	V4.40 SP2	2022/04/16	1 Year
12	High gain antenna	Schwarzbeck	LB-180400KF	MT-E389	/	2022/03/13	1 Year
13	Preamplifier	Schwarzbeck	BBV 9743	MT-E390	/	2022/03/13	1 Year
14	Pre-amplifier	EMCI	EMC051845S E	MT-E391	/	2022/03/13	1 Year
15	Pre-amplifier	Agilent	83051A	MT-E392	/	2022/03/13	1 Year
16	High pass filter unit	Tonscend	JS0806-F	MT-E393	/	2022/03/13	1 Year
17	RF Cable(below1GHz)	Times	9kHz-1GHz	MT-E394	/	2022/03/13	1 Year
18	RF Cable(above 1GHz)	Times	1-40G	MT-E395	/	2022/03/13	1 Year
19	RF Cable (9KHz-40GHz)	Tonscend	170660	N/A	/	2022/03/13	1 Year

Note: The Cal.Interval was one year.

5 TEST CONDITIONS AND RESULTS

5.1 AC Power Conducted Emission

TEST CONFIGURATION



TEST PROCEDURE

- 1 The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10-2013.
- 2 Support equipment, if needed, was placed as per ANSI C63.10-2013
- 3 All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10-2013
- 4 The EUT received DC 12V power from adapter, the adapter received AC120V/60Hz and AC 240V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5 All support equipments received AC power from a second LISN, if any.
- 6 The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7 Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
- 8 During the above scans, the emissions were maximized by cable manipulation.

AC Power Conducted Emission Limit

For intentional device, according to § 15.207(a) AC Power Conducted Emission Limits is as following :

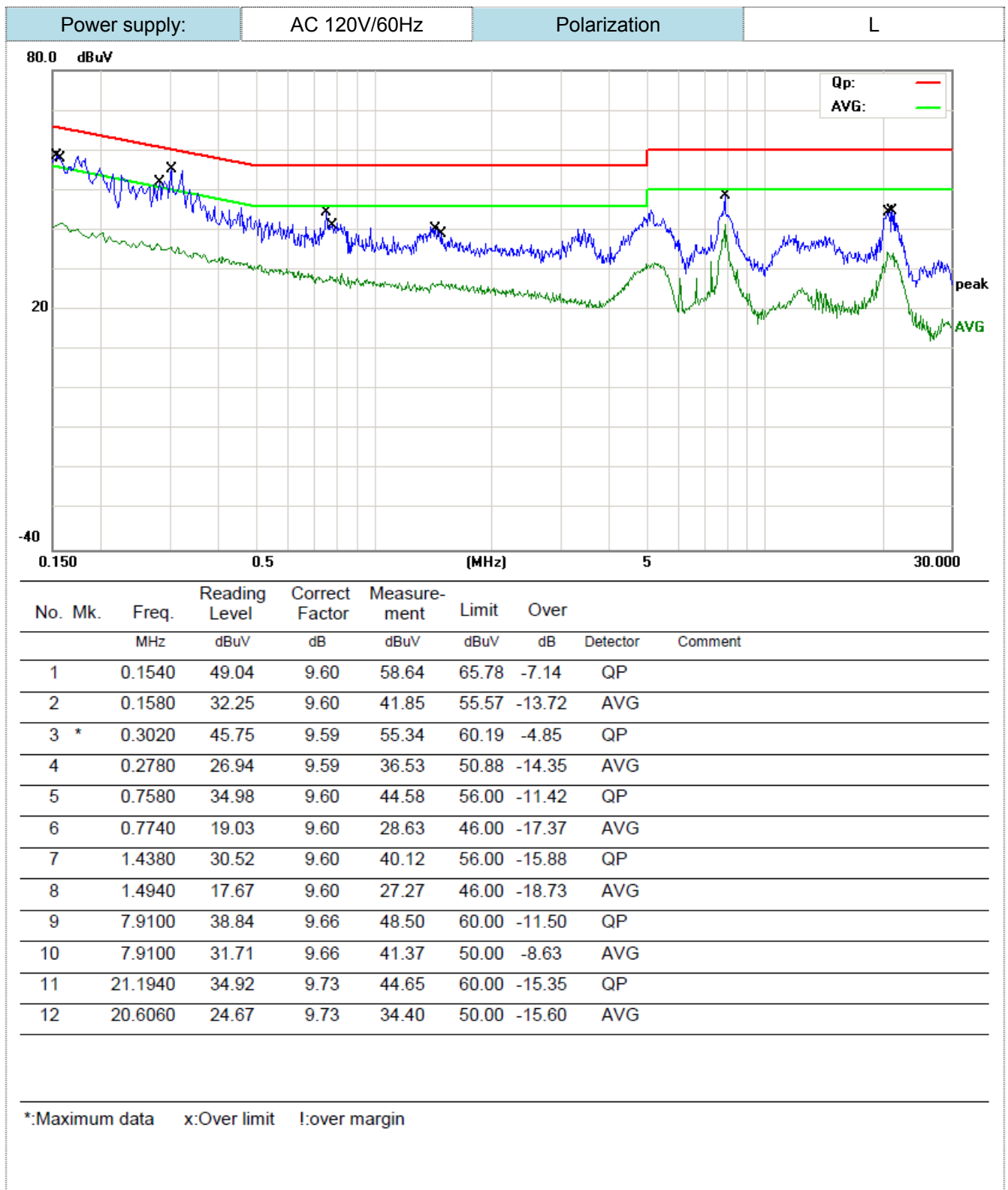
Frequency range (MHz)	Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

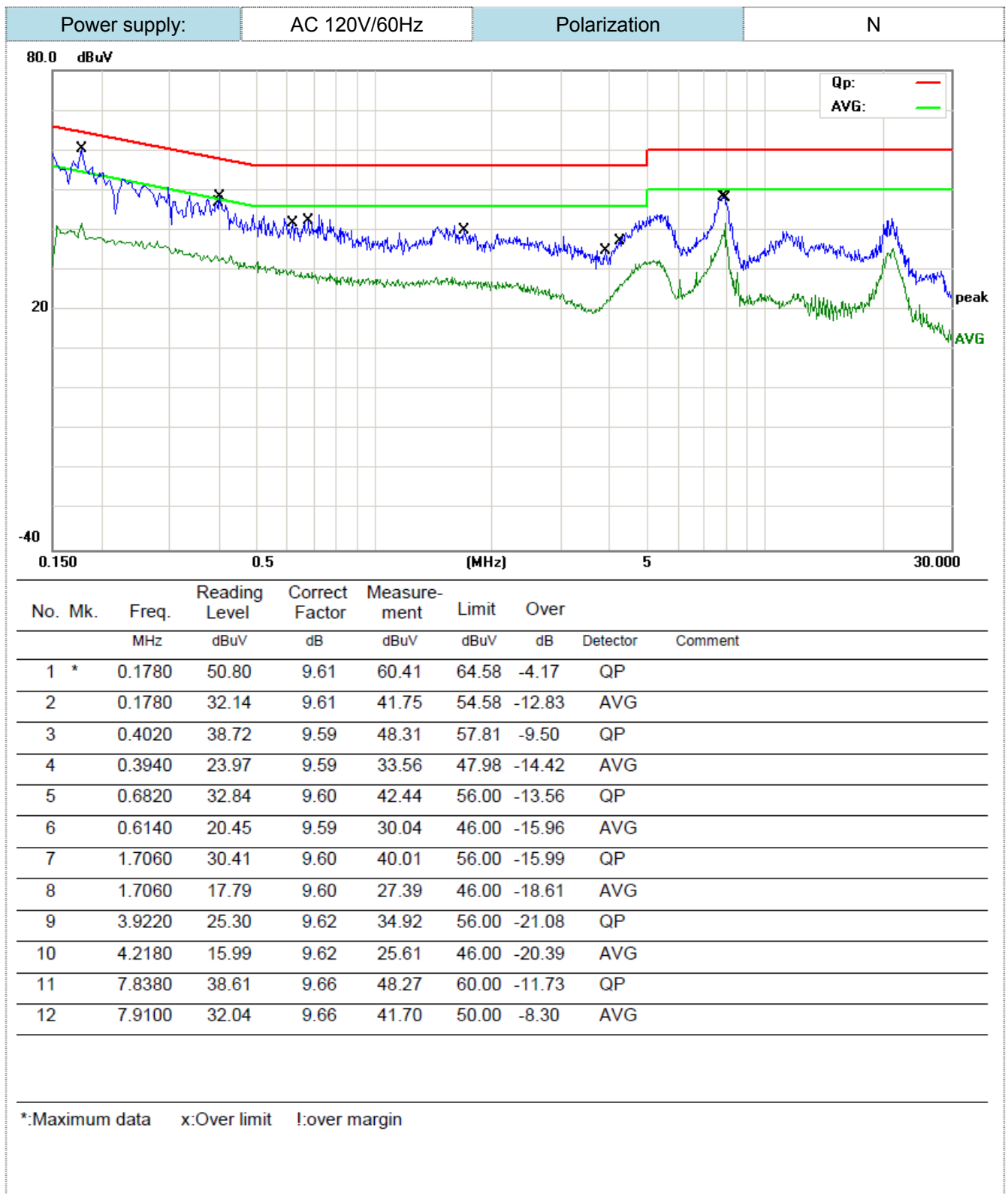
* Decreases with the logarithm of the frequency.

TEST RESULTS

Remark:

1. WIFI modes were test at 802.11b,802.11g,802.11n(20) (Low, Middle, and High channel); only the worst result of 802.11b Middle Channel was reported as below:

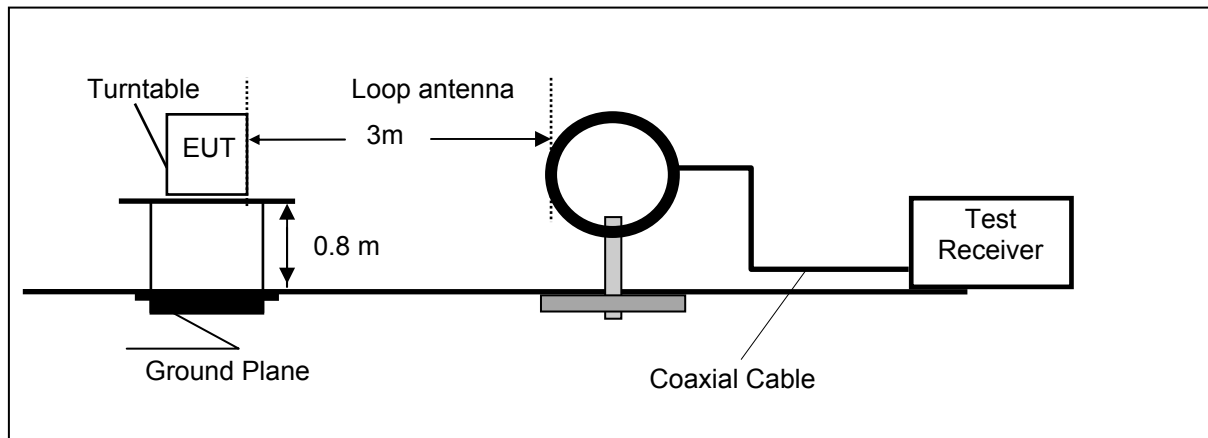




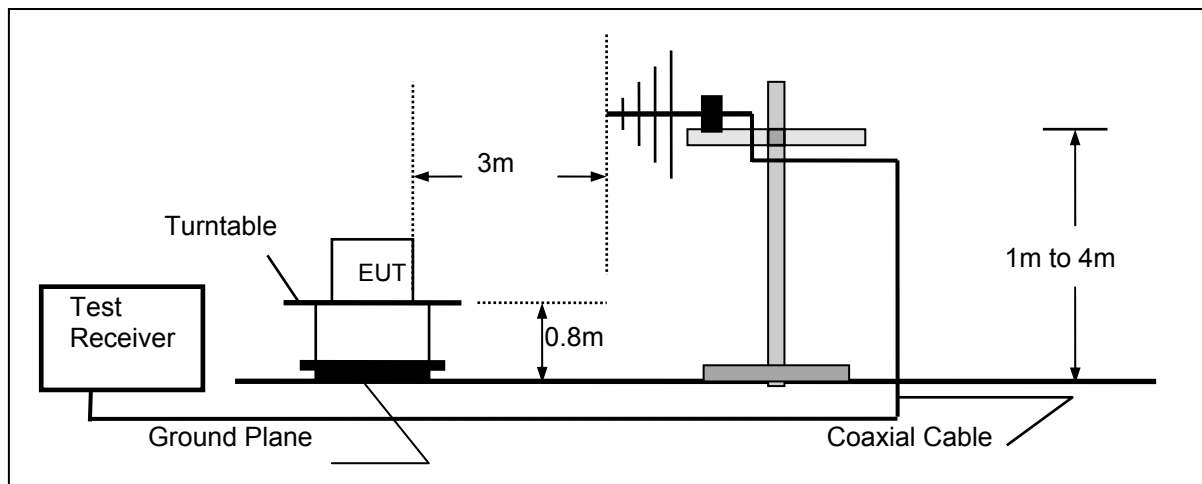
5.2 Radiated Emission

TEST CONFIGURATION

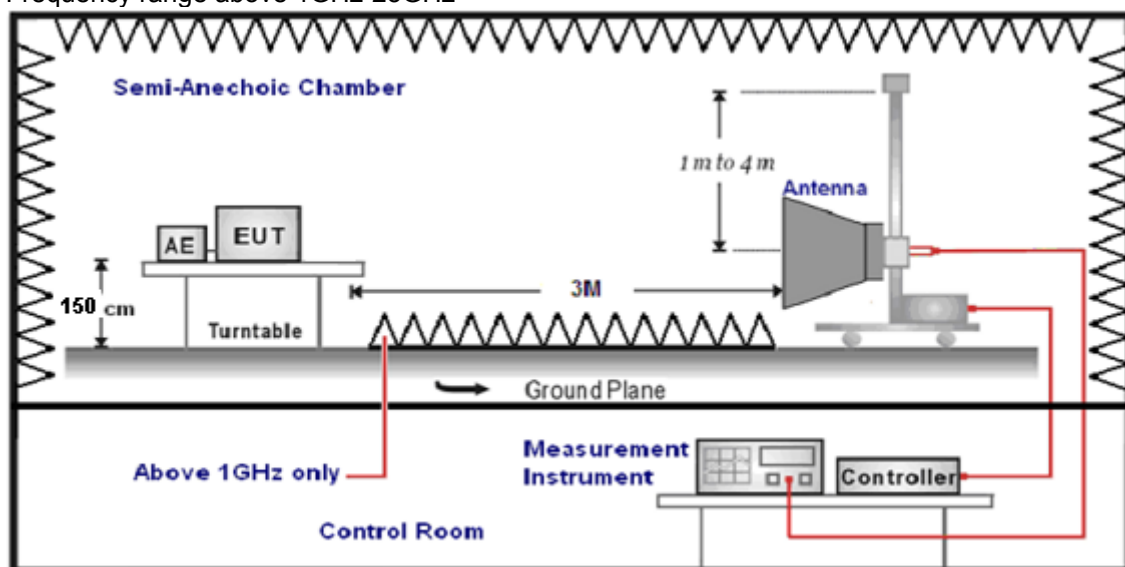
Frequency range 9 KHz – 30MHz



Frequency range 30MHz – 1000MHz



Frequency range above 1GHz-25GHz



TEST PROCEDURE

1. The EUT was placed on a turn table which is 0.8m above ground plane when testing frequency range 9 KHz –1GHz;the EUT was placed on a turn table which is 1.5m above ground plane when testing frequency range 1GHz – 25GHz.
2. Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0° to 360° to acquire the highest emissions from EUT.
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measurements have been completed.
5. Radiated emission test frequency band from 9KHz to 25GHz.
6. The distance between test antenna and EUT as following table states:

Test Frequency range	Test Antenna Type	Test Distance
9KHz-30MHz	Active Loop Antenna	3
30MHz-1GHz	Ultra-Broadband Antenna	3
1GHz-18GHz	Double Ridged Horn Antenna	3
18GHz-25GHz	Horn Antenna	1

7. Setting test receiver/spectrum as following table states:

Test Frequency range	Test Receiver/Spectrum Setting	Detector
9KHz-150KHz	RBW=200Hz/VBW=3KHz, Sweep time=Auto	QP
150KHz-30MHz	RBW=9KHz/VBW=100KHz, Sweep time=Auto	QP
30MHz-1GHz	RBW=120KHz/VBW=1000KHz, Sweep time=Auto	QP
1GHz-40GHz	Peak Value: RBW=1MHz/VBW=3MHz, Sweep time=Auto Average Value: RBW=1MHz/VBW=10Hz, Sweep time=Auto	Peak

Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor(if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

$$\text{Transd} = \text{AF} + \text{CL} - \text{AG}$$

RADIATION LIMIT

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emission from intentional radiators at a distance of 3 meters shall not exceed the following table. According to § 15.247(d), in any 100kHz bandwidth outside the frequency band in which the EUT is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of desired power.

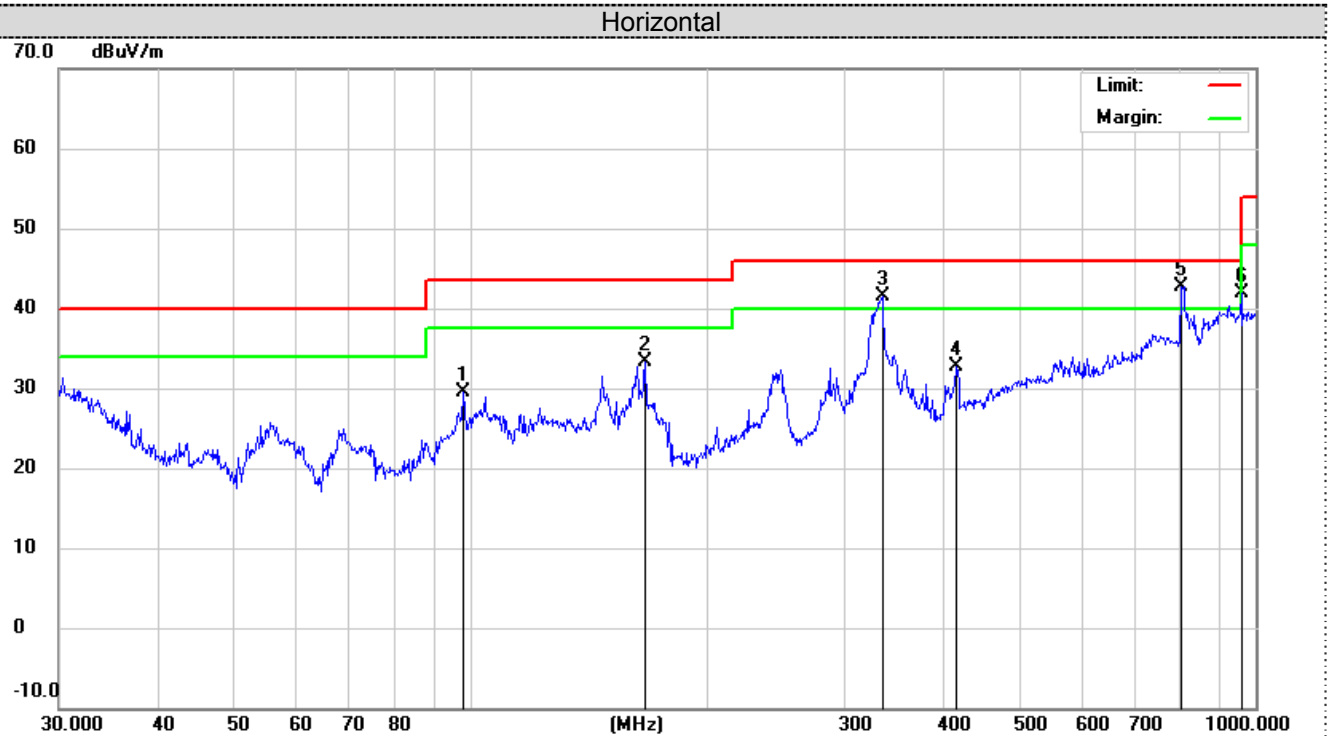
The pre-test have done for the EUT in three axes and found the worst emission at position shown in test setup photos.

Frequency (MHz)	Distance (Meters)	Radiated (dBµV/m)	Radiated (µV/m)
0.009-0.49	3	$20\log(2400/F(\text{KHz})) + 40\log(300/3)$	$2400/F(\text{KHz})$
0.49-1.705	3	$20\log(24000/F(\text{KHz})) + 40\log(30/3)$	$24000/F(\text{KHz})$
1.705-30	3	$20\log(30) + 40\log(30/3)$	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

TEST RESULTS

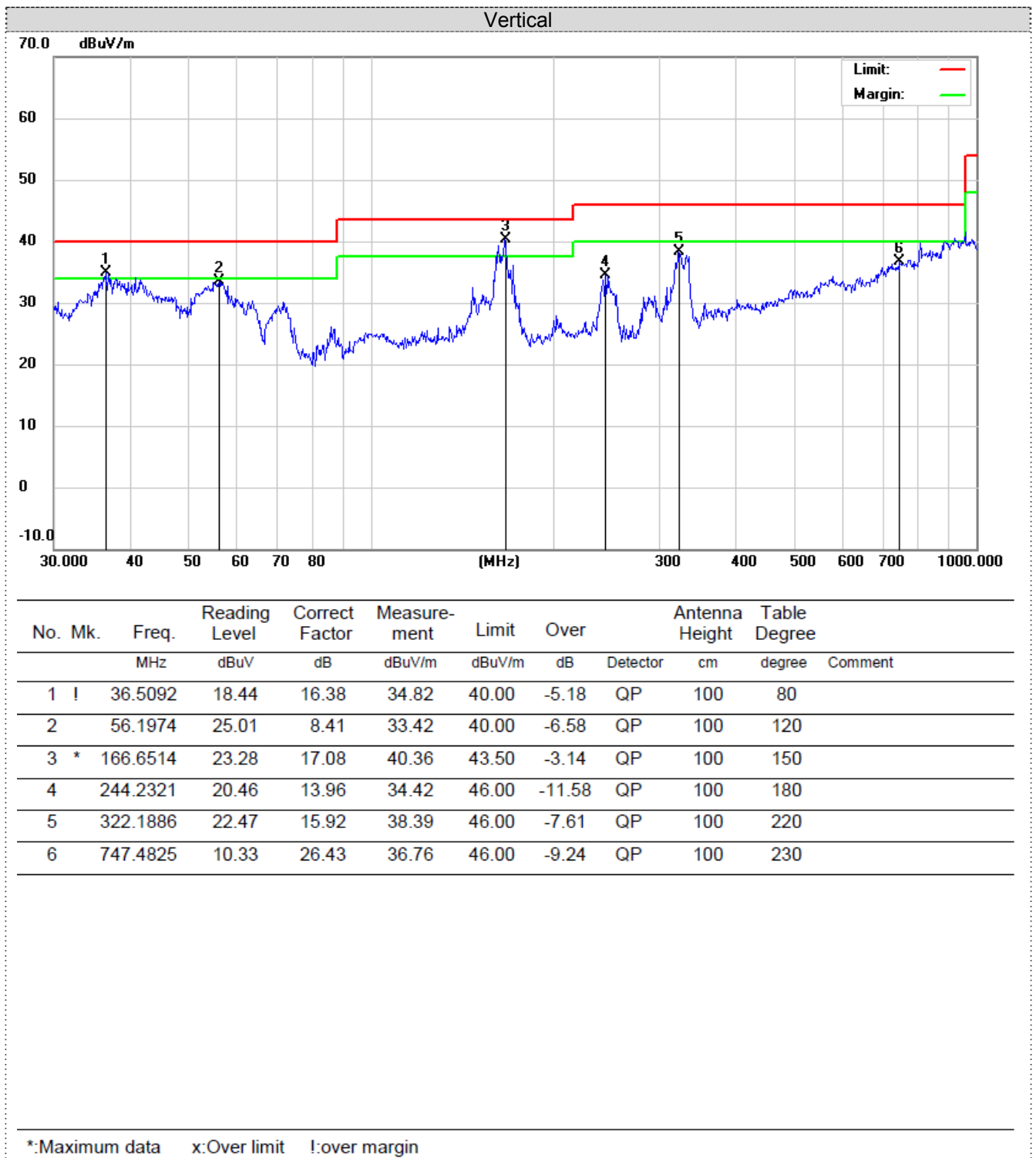
Remark:

1. This test was performed with EUT in X, Y, Z position and the worse case was found when EUT in X position.
2. All three channels (lowest/middle/highest) of each mode were measured below 1GHz and recorded worst case at 802.11b low channel.
3. Radiated emission test from 9 KHz to 10th harmonic of fundamental was verified, and no emission found except system noise floor in 9 KHz to 30MHz and not recorded in this report.
4. Remark: Result=Reading value+Factor
Note: Antenna 1 ,Antenna 2 and Antenna 1 +2 have been test,only show the worst data of Antenna 1+2

For 30MHz-1GHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		98.1418	16.57	12.91	29.48	43.50	-14.02	QP	200	40
2		167.2366	16.31	17.06	33.37	43.50	-10.13	QP	200	90
3	!	334.8588	25.39	16.16	41.55	46.00	-4.45	QP	200	150
4		416.1791	14.50	18.26	32.76	46.00	-13.24	QP	200	230
5	*	804.6027	14.84	27.95	42.79	46.00	-3.21	QP	200	280
6	!	958.7943	12.41	29.59	42.00	46.00	-4.00	QP	200	310

*:Maximum data x:Over limit !:over margin



For 1GHz to 25GHz

Note: 802.11b/802.11g/802.11n (H20) all have been tested, only worse case 802.11b mode is reported

Antenna 1 ,Antenna 2 and Antenna 1 +2 have been test,only show the worst data of Antenna 1+2

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Antenna Factor (dB)	Cable loss (dB)	Preamp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
802.11b-2412MHz									
V	4824	57.38	30.28	7.01	36.5	58.17	74	15.83	PK
V	4824	41	30.28	7.01	36.5	41.79	54	12.21	AV
H	4824	55.69	30.28	7.01	36.5	56.48	74	17.52	PK
H	4824	41.47	30.28	7.01	36.5	42.26	54	11.74	AV
V	7236	41.79	36.59	8.91	35.3	51.99	74	22.01	PK
V	7236	29.88	36.59	8.91	35.3	40.08	54	13.92	AV
H	7236	41.43	36.59	8.91	35.3	51.63	74	22.37	PK
H	7236	29.18	36.59	8.91	35.3	39.38	54	14.62	AV
802.11b -2437MHz									
V	4874	56.35	30.36	7.62	36.5	57.83	74	16.17	PK
V	4874	43.2	30.36	7.62	36.5	44.68	54	9.32	AV
H	4874	54.22	30.36	7.62	36.5	55.7	74	18.3	PK
H	4874	43.22	30.36	7.62	36.5	44.7	54	9.3	AV
V	7311	44.25	36.61	8.84	35.3	54.4	74	19.6	PK
V	7311	29.14	36.61	8.84	35.3	39.29	54	14.71	AV
H	7311	41.73	36.61	8.84	35.3	51.88	74	22.12	PK
H	7311	31.73	36.61	8.84	35.3	41.88	54	12.12	AV
802.11b -2462MHz									
V	4924	57.91	30.43	7.94	36.2	60.08	74	13.92	PK
V	4924	43.22	30.43	7.94	36.2	45.39	54	8.61	AV
H	4924	57.68	30.43	7.94	36.2	59.85	74	14.15	PK
H	4924	44.65	30.43	7.94	36.2	46.82	54	7.18	AV
V	7386	40.65	36.78	8.45	35.3	50.58	74	23.42	PK
V	7386	31.17	36.78	8.45	35.3	41.1	54	12.9	AV
H	7386	40.26	36.78	8.45	35.3	50.19	74	23.81	PK
H	7386	30.3	36.78	8.45	35.3	40.23	54	13.77	AV
802.11n40 -2422MHz									
V	4824	55.49	30.28	7.01	36.5	56.28	74	17.72	PK
V	4824	41.78	30.28	7.01	36.5	42.57	54	11.43	AV
H	4824	54.49	30.28	7.01	36.5	55.28	74	18.72	PK
H	4824	41.58	30.28	7.01	36.5	42.37	54	11.63	AV
V	7236	44.49	36.59	8.91	35.3	54.69	74	19.31	PK
V	7236	31.4	36.59	8.91	35.3	41.6	54	12.4	AV
H	7236	43.78	36.59	8.91	35.3	53.98	74	20.02	PK
H	7236	0.014	36.59	8.91	35.3	10.214	54	43.786	AV
802.11n40 -2437MHz									
V	4874	55.7	30.36	7.62	36.5	57.18	74	16.82	PK
V	4874	41.27	30.36	7.62	36.5	42.75	54	11.25	AV
H	4874	55.17	30.36	7.62	36.5	56.65	74	17.35	PK
H	4874	40.39	30.36	7.62	36.5	41.87	54	12.13	AV
V	7311	42.36	36.61	8.84	35.3	52.51	74	21.49	PK
V	7311	31.39	36.61	8.84	35.3	41.54	54	12.46	AV
H	7311	42.3	36.61	8.84	35.3	52.45	74	21.55	PK
H	7311	31.35	36.61	8.84	35.3	41.5	54	12.5	AV

Polar (H/V)	Frequency	Meter Reading	Antenna Factor	Cable loss	Preamp factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
802.11n40 -2452MHz									
V	4924	57.19	30.43	7.94	36.2	59.36	74	14.64	PK
V	4924	42.27	30.43	7.94	36.2	44.44	54	9.56	AV
H	4924	57.69	30.43	7.94	36.2	59.86	74	14.14	PK
H	4924	43.4	30.43	7.94	36.2	45.57	54	8.43	AV
V	7386	41.39	36.78	8.45	35.3	51.32	74	22.68	PK
V	7386	31.43	36.78	8.45	35.3	41.36	54	12.64	AV
H	7386	39.59	36.78	8.45	35.3	49.52	74	24.48	PK
H	7386	29.64	36.78	8.45	35.3	39.57	54	14.43	AV

Note:

- 1) Emission level (dBuV/m) = Meter Reading+ antenna Factor+ cable loss- preamp factor.
- 2) Margin value = Limits-Emission level.
- 3) -- Mean the PK detector measured value is below average limit.
- 4) The other emission levels were very low against the limit.
- 5) RBW1MHz VBW3MHz Peak detector is for PK value; RBW 1MHz VBW10Hz Peak detector is for AV value.

Results of Band Edges Test (Radiated)

Polar (H/V)	Frequency	Meter Reading	Antenna Factor	Cable loss	Preamp factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
802.11b -2412MHz									
V	2390	58.23	27.49	3.32	36.22	52.82	74	21.18	PK
V	2390	45.1	27.49	3.32	36.22	39.69	54	14.31	AV
H	2390	58.04	27.49	3.32	36.22	52.63	74	21.37	PK
H	2390	47.95	27.49	3.32	36.22	42.54	54	11.46	AV
V	2400	55.27	27.55	3.41	36.22	50.01	74	23.99	PK
V	2400	44.05	27.55	3.41	36.22	38.79	54	15.21	AV
H	2400	56.13	27.55	3.41	36.22	50.87	74	23.13	PK
H	2400	44.84	27.55	3.41	36.22	39.58	54	14.42	AV
802.11b -2462MHz									
V	2483.5	56.36	27.45	3.38	36.34	50.85	74	23.15	PK
V	2483.5	44.67	27.45	3.38	36.34	39.16	54	14.84	AV
H	2483.5	56.66	27.45	3.38	36.34	51.15	74	22.85	PK
H	2483.5	43.4	27.45	3.38	36.34	37.89	54	16.11	AV
V	2500	55.59	27.41	3.47	36.35	50.12	74	23.88	PK
V	2500	45.72	27.41	3.47	36.35	40.25	54	13.75	AV
H	2500	56.83	27.41	3.47	36.35	51.36	74	22.64	PK
H	2500	47.04	27.41	3.47	36.35	41.57	54	12.43	AV

Polar (H/V)	Frequency	Meter Reading	Antenna Factor	Cable loss	Preamp factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
802.11g -2412MHz									
V	2390	56.25	27.49	3.32	36.22	50.84	74	23.16	PK
V	2390	43.53	27.49	3.32	36.22	38.12	54	15.88	AV
H	2390	55.22	27.49	3.32	36.22	49.81	74	24.19	PK
H	2390	46.03	27.49	3.32	36.22	40.62	54	13.38	AV
V	2400	57.96	27.55	3.41	36.22	52.7	74	21.3	PK
V	2400	44.89	27.55	3.41	36.22	39.63	54	14.37	AV
H	2400	58.54	27.55	3.41	36.22	53.28	74	20.72	PK
H	2400	45.35	27.55	3.41	36.22	40.09	54	13.91	AV
802.11g -2462MHz									
V	2483.5	56.33	27.45	3.38	36.34	50.82	74	23.18	PK
V	2483.5	44.66	27.45	3.38	36.34	39.15	54	14.85	AV
H	2483.5	56.54	27.45	3.38	36.34	51.03	74	22.97	PK
H	2483.5	46.76	27.45	3.38	36.34	41.25	54	12.75	AV
V	2500	58.31	27.41	3.47	36.35	52.84	74	21.16	PK
V	2500	46.77	27.41	3.47	36.35	41.3	54	12.7	AV
H	2500	57.54	27.41	3.47	36.35	52.07	74	21.93	PK
H	2500	47.37	27.41	3.47	36.35	41.9	54	12.1	AV

Polar (H/V)	Frequency	Meter Reading	Antenna Factor	Cable loss	Preamp factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
802.11n(HT20) -2412MHz									
V	2390	57.31	27.49	3.32	36.22	51.9	74	22.1	PK
V	2390	43.66	27.49	3.32	36.22	38.25	54	15.75	AV
H	2390	55.82	27.49	3.32	36.22	50.41	74	23.59	PK
H	2390	44.55	27.49	3.32	36.22	39.14	54	14.86	AV
V	2400	58.6	27.55	3.41	36.22	53.34	74	20.66	PK
V	2400	47.65	27.55	3.41	36.22	42.39	54	11.61	AV
H	2400	57.48	27.55	3.41	36.22	52.22	74	21.78	PK
H	2400	46.38	27.55	3.41	36.22	41.12	54	12.88	AV
802.11n(HT20) -2462MHz									
V	2483.5	59.91	27.45	3.38	36.34	54.4	74	19.6	PK
V	2483.5	44.9	27.45	3.38	36.34	39.39	54	14.61	AV
H	2483.5	56.46	27.45	3.38	36.34	50.95	74	23.05	PK
H	2483.5	46.99	27.45	3.38	36.34	41.48	54	12.52	AV
V	2500	58.02	27.41	3.47	36.35	52.55	74	21.45	PK
V	2500	45.08	27.41	3.47	36.35	39.61	54	14.39	AV
H	2500	56.37	27.41	3.47	36.35	50.9	74	23.1	PK
H	2500	47.64	27.41	3.47	36.35	42.17	54	11.83	AV
802.11n(HT40) -2422MHz									
V	2390	56.7	27.49	3.32	36.22	51.29	74	22.71	PK
V	2390	46.89	27.49	3.32	36.22	41.48	54	12.52	AV
H	2390	58.99	27.49	3.32	36.22	53.58	74	20.42	PK
H	2390	46.04	27.49	3.32	36.22	40.63	54	13.37	AV
V	2400	55.19	27.55	3.41	36.22	49.93	74	24.07	PK
V	2400	43.52	27.55	3.41	36.22	38.26	54	15.74	AV
H	2400	59.95	27.55	3.41	36.22	54.69	74	19.31	PK
H	2400	47.97	27.55	3.41	36.22	42.71	54	11.29	AV
802.11n(HT40) -2452MHz									
V	2483.5	56.49	27.45	3.38	36.34	50.98	74	23.02	PK
V	2483.5	43.27	27.45	3.38	36.34	37.76	54	16.24	AV
H	2483.5	56.25	27.45	3.38	36.34	50.74	74	23.26	PK
H	2483.5	46.96	27.45	3.38	36.34	41.45	54	12.55	AV
V	2500	56.85	27.41	3.47	36.35	51.38	74	22.62	PK
V	2500	46.06	27.41	3.47	36.35	40.59	54	13.41	AV
H	2500	57.79	27.41	3.47	36.35	52.32	74	21.68	PK
H	2500	45.67	27.41	3.47	36.35	40.2	54	13.8	AV

Note:

- 1) Emission level (dBuV/m) = Meter Reading+ antenna Factor+ cable loss- preamp factor.
- 2) Margin value = Limits-Emission level.
- 3) -- Mean the PK detector measured value is below average limit.
- 4) The other emission levels were very low against the limit.
- 5) RBW1MHz VBW3MHz Peak detector is for PK value; RBW 1MHz VBW10Hz Peak detector is for AV value.

5.3 Maximum Conducted Output Power

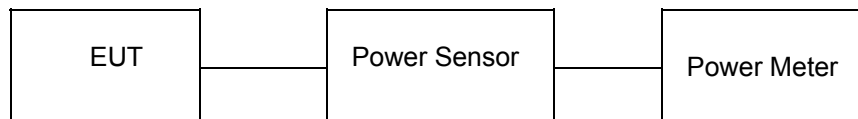
Limit

The Maximum Peak Output Power Measurement is 30dBm.

Test Procedure

Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power sensor.

Test Configuration



Test Results

Antenna 1:

Type	Channel	Output power PK (dBm)	Limit (dBm)	Result
802.11b	CH1	13.02	30.00	Pass
	CH6	12.23		
	CH11	12.59		
802.11g	CH1	13.10	30.00	Pass
	CH6	11.02		
	CH11	12.04		
802.11n(HT20)	CH1	12.33	30.00	Pass
	CH6	14.36		
	CH11	12.30		
802.11n(HT40)	CH3	13.52	30.00	Pass
	CH6	12.47		
	CH9	11.96		

Antenna 2:

Type	Channel	Output power PK (dBm)	Limit (dBm)	Result
802.11b	CH1	12.15	30.00	Pass
	CH6	12.03		
	CH11	11.69		
802.11g	CH1	12.36	30.00	Pass
	CH6	9.98		
	CH11	11.23		
802.11n(HT20)	CH1	11.08	30.00	Pass
	CH6	13.65		
	CH11	11.26		
802.11n(HT40)	CH3	12.58	30.00	Pass
	CH6	11.02		
	CH9	10.02		

Antenna 1+ Antenna 2:
:

Type	Channel	Output power PK (dBm)	Limit (dBm)	Result
802.11n(HT20)	CH1	14.02	30.00	Pass
	CH6	14.25		
	CH11	13.23		
802.11n(HT40)	CH3	14.31	30.00	Pass
	CH6	13.74		
	CH9	13.03		

Note:

- 1) Measured output power at difference data rate for each mode and recorded worst case for each mode.
- 2) Test results including cable loss.
- 3) Worst case data at 1Mbps at IEEE 802.11b; 6Mbps at IEEE 802.11g; 6.5Mbps at IEEE 802.11n HT20 and IEEE 802.11n HT40;

5.4 Power Spectral Density

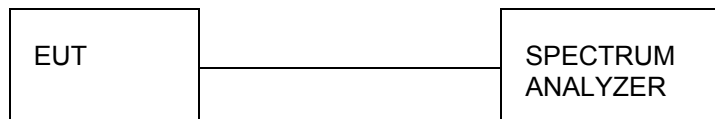
Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

Test Procedure

1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.
2. Set the RBW ≥ 3 kHz.
3. Set the VBW $\geq 3 \times$ RBW.
4. Set the span to 1.5 times the DTS channel bandwidth.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum power level.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.
11. The resulting peak PSD level must be 8dBm.

Test Configuration



Test Results

Antenna 1:

Type	Channel	Power Spectral Density (dBm/3KHz)	Limit (dBm/3KHz)	Result
802.11b	CH1	-8.514	8.00	Pass
	CH6	-7.781		
	CH11	-6.637		
802.11g	CH1	-10.151	8.00	Pass
	CH6	-11.638		
	CH11	-12.708		
802.11n(HT20)	CH1	-10.894	8.00	Pass
	CH6	-11.883		
	CH11	-13.765		
802.11n(HT40)	CH3	-14.247	8.00	Pass
	CH6	-15.833		
	CH9	-15.447		

Antenna 2:

Type	Channel	Power Spectral Density (dBm/3KHz)	Limit (dBm/3KHz)	Result
802.11b	CH1	-7.505	8.00	Pass
	CH6	-7.065		
	CH11	-7.962		
802.11g	CH1	-10.775	8.00	Pass
	CH6	-10.668		
	CH11	-10.518		
802.11n(HT20)	CH1	-9.020	8.00	Pass
	CH6	-8.835		
	CH11	-8.967		
802.11n(HT40)	CH3	-12.591	8.00	Pass
	CH6	-12.560		
	CH9	-13.026		

Antenna 1+ Antenna 2:

Type	Channel	Power Spectral Density (dBm/3KHz)	Limit (dBm/3KHz)	Result
802.11n(HT20)	CH1	-3.988	8.00	Pass
	CH6	-2.855		
	CH11	-13.765		
802.11n(HT40)	CH3	-14.247	8.00	Pass
	CH6	-15.833		
	CH9	-15.447		

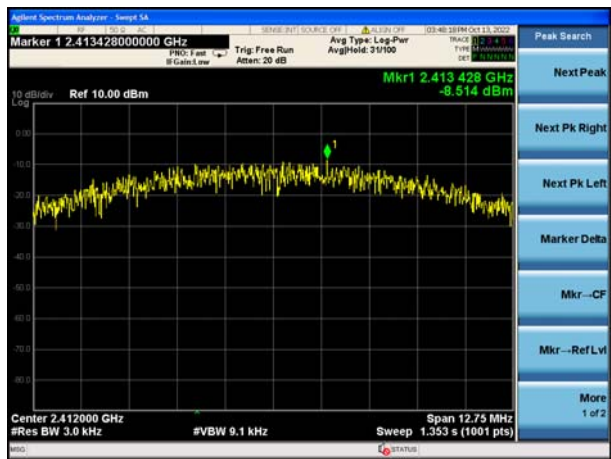
Note:

- 1) Measured peak power spectrum density at difference data rate for each mode and recorded worst case for each mode.
- 2) Test results including cable loss;
- 3) Worst case data at 1Mbps at IEEE 802.11b; 6Mbps at IEEE 802.11g; 6.5Mbps at IEEE 802.11n HT20 and IEEE 802.11n HT40;

Please refer to following plots;

Antenna 1:

802.11b

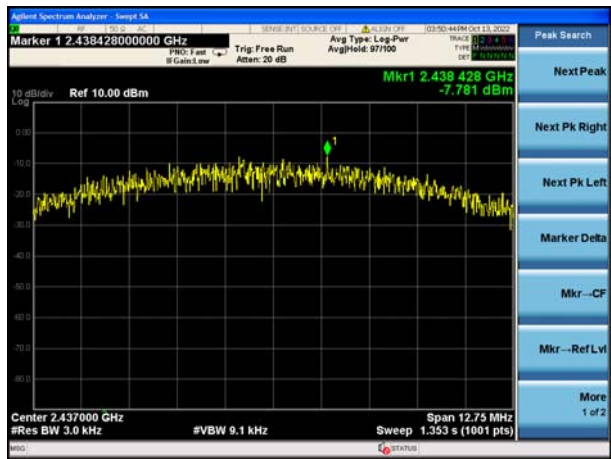


CH1

802.11g



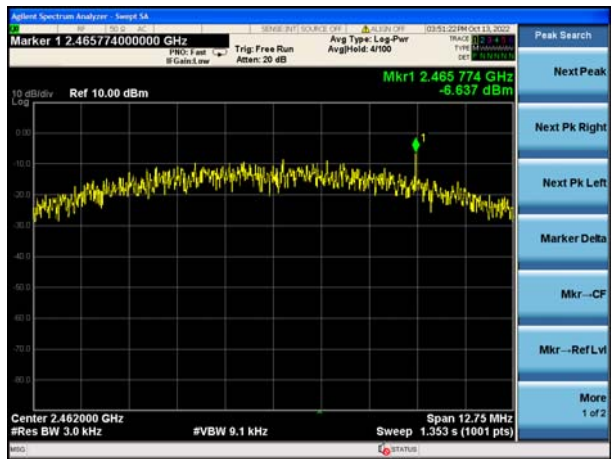
CH1



CH6



CH6



CH11



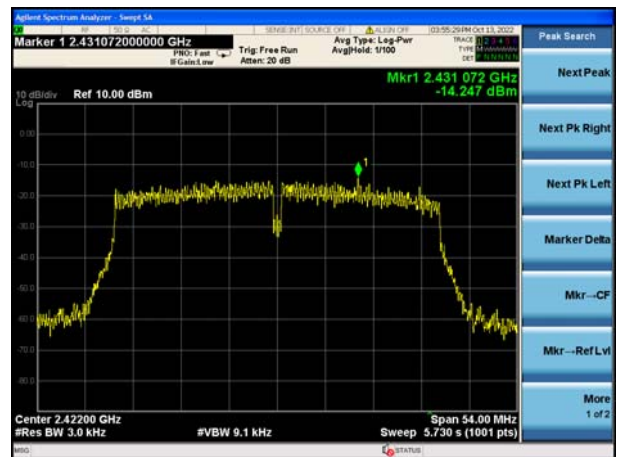
CH11

Antenna 1:

802.11n(HT20)



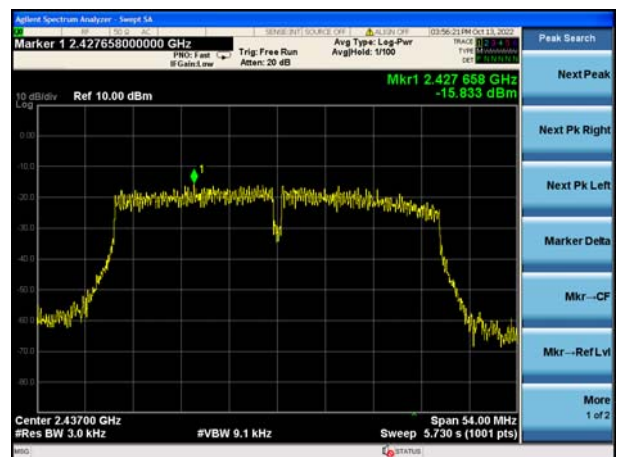
802.11n(HT40)



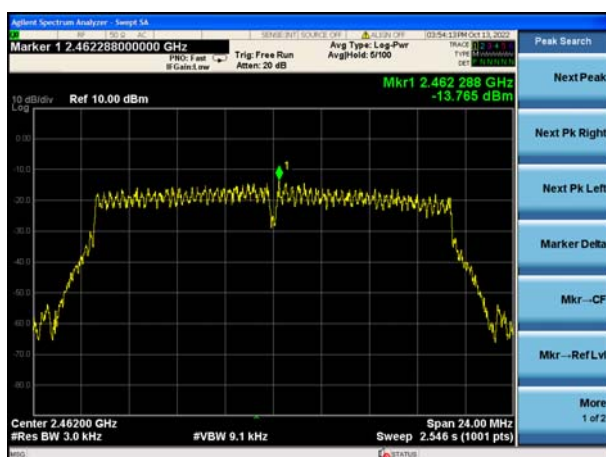
CH1



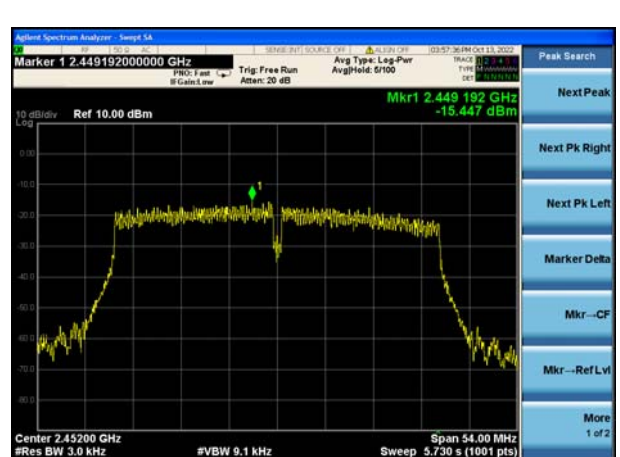
CH3



CH6



CH6

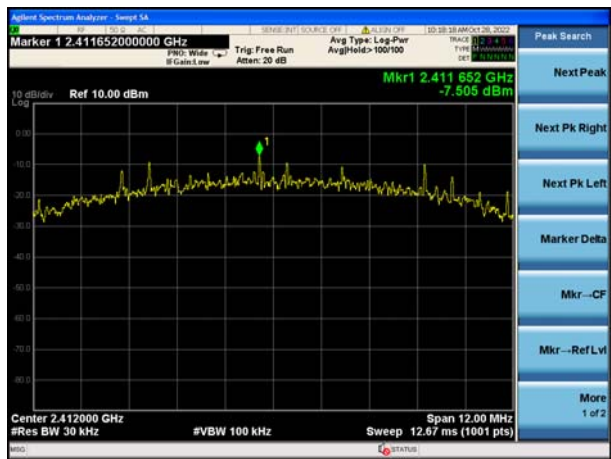


CH11

CH9

Antenna 2:

802.11b

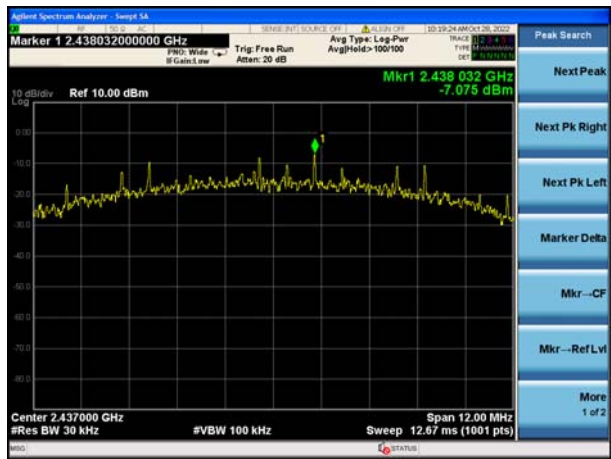


CH1

802.11g



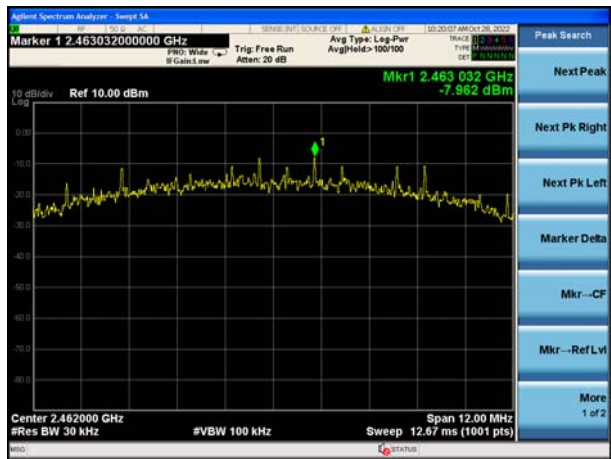
CH1



CH6



CH6



CH11



CH11

Antenna 2:

802.11n(HT20)



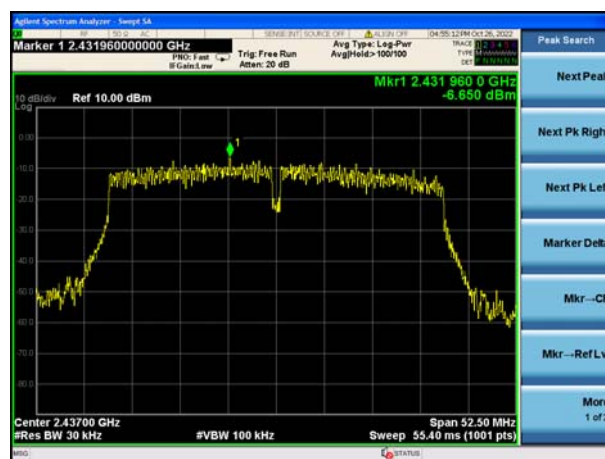
802.11n(HT40)



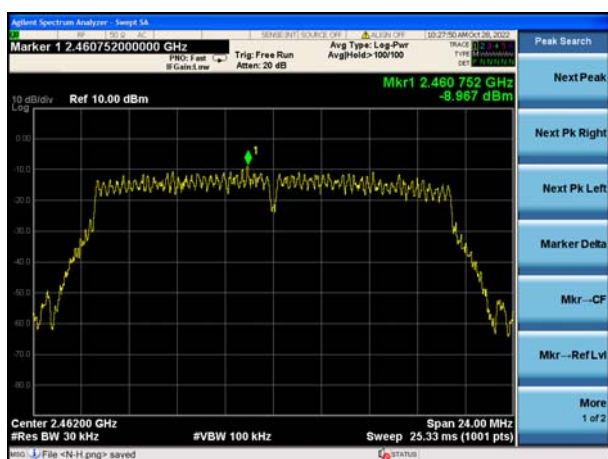
CH1



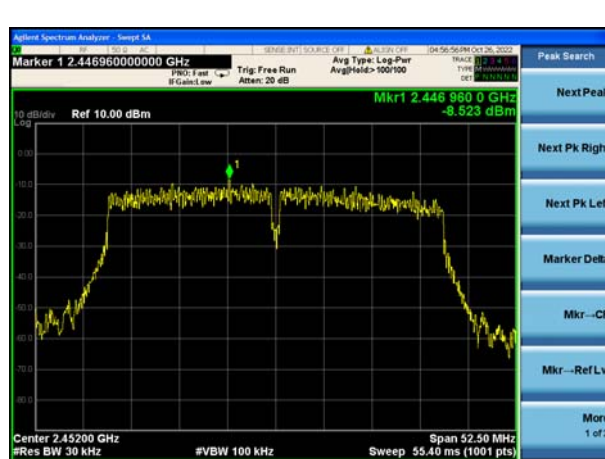
CH3



CH6



CH6



CH11



CH9



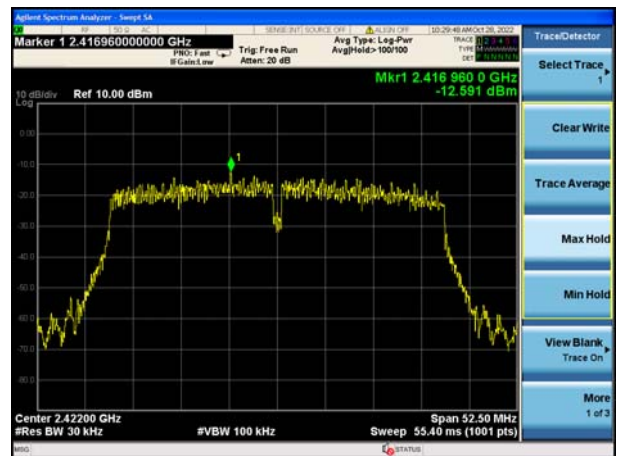
Antenna 1+ Antenna 2:

802.11n(HT20)



CH1

802.11n(HT40)



CH3



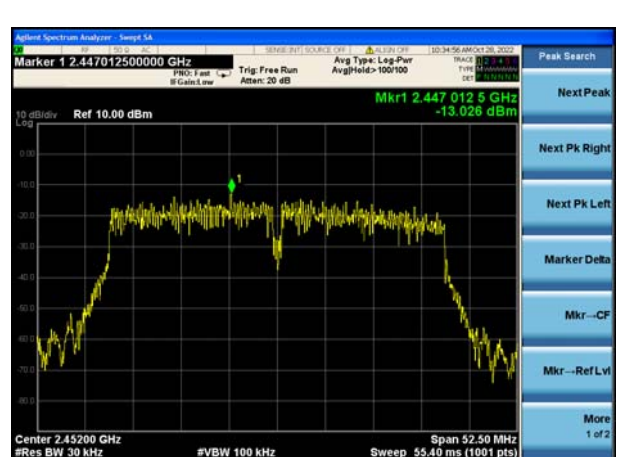
CH6



CH6



CH11



CH9

5.5 6dB Bandwidth

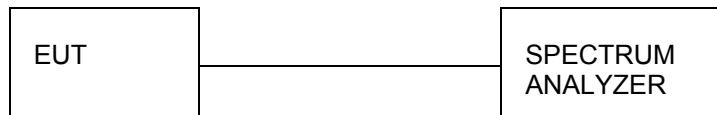
Limit

For digital modulation systems, the minimum 6 dB bandwidth shall be at least 500 kHz

Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100 KHz RBW and 300 KHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

Test Configuration



Test Results

Antenna 1:

Type	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11b	CH1	7.889	≥500	Pass
	CH6	8.335		
	CH11	8.146		
802.11g	CH1	15.96	≥500	Pass
	CH6	15.54		
	CH11	15.75		
802.11n(HT20)	CH1	15.33	≥500	Pass
	CH6	15.41		
	CH11	16.36		
802.11n(HT40)	CH3	35.30	≥500	Pass
	CH6	35.12		
	CH9	35.70		

Antenna 2:

Type	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11b	CH1	7.646	≥500	Pass
	CH6	9.001		
	CH11	8.163		
802.11g	CH1	15.50	≥500	Pass
	CH6	15.99		
	CH11	15.48		
802.11n(HT20)	CH1	15.75	≥500	Pass
	CH6	15.41		
	CH11	15.94		
802.11n(HT40)	CH3	35.12	≥500	Pass
	CH6	35.39		
	CH9	35.12		

Antenna 1+ Antenna 2:

Type	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11n(HT20)	CH1	16.56	≥500	Pass
	CH6	16.04		
	CH11	16.38		
802.11n(HT40)	CH3	35.37	≥500	Pass
	CH6	35.68		
	CH9	35.40		

Note:

- 1) Measured peak power spectrum density at difference data rate for each mode and recorded worst case for each mode.
- 2) Test results including cable loss;
- 3) Worst case data at 1Mbps at IEEE 802.11b; 6Mbps at IEEE 802.11g; 6.5Mbps at IEEE 802.11n HT20 and IEEE 802.11n HT40;

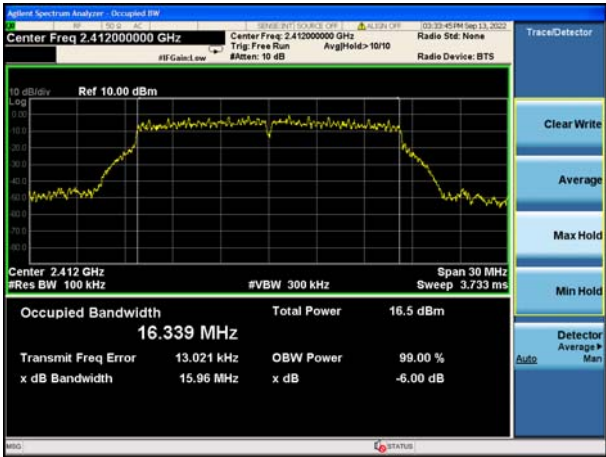
Please refer to following plots;

Antenna 1:

802.11b



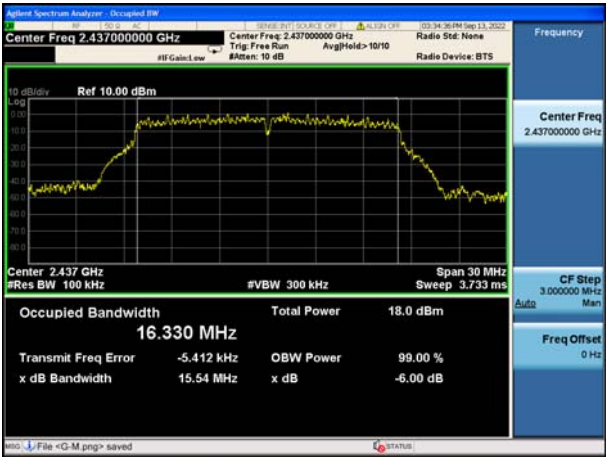
802.11g



CH1



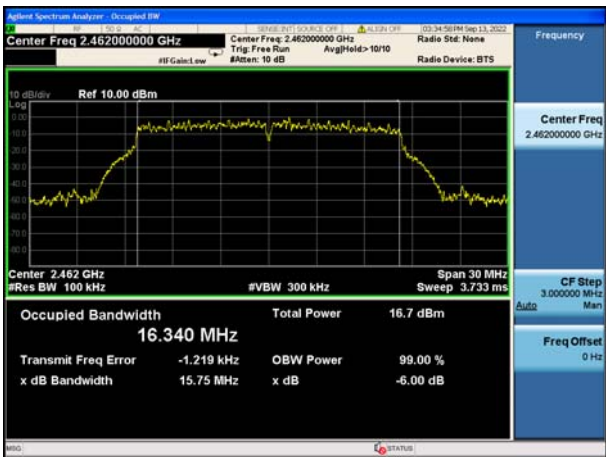
CH1



CH6



CH6

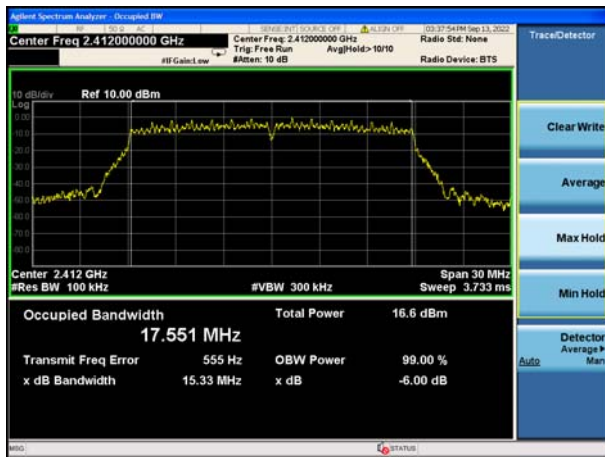


CH11

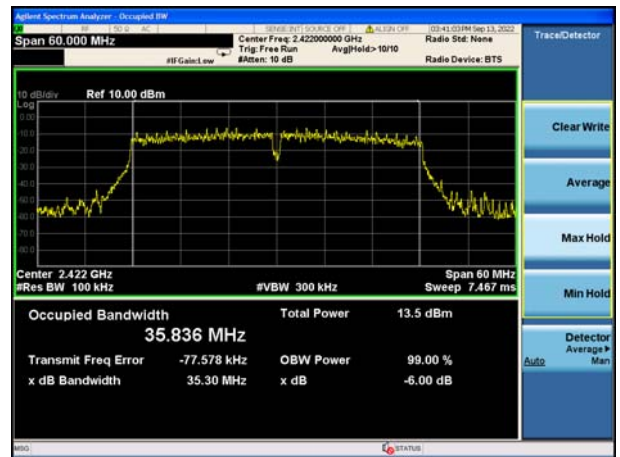
CH11

Antenna 1:

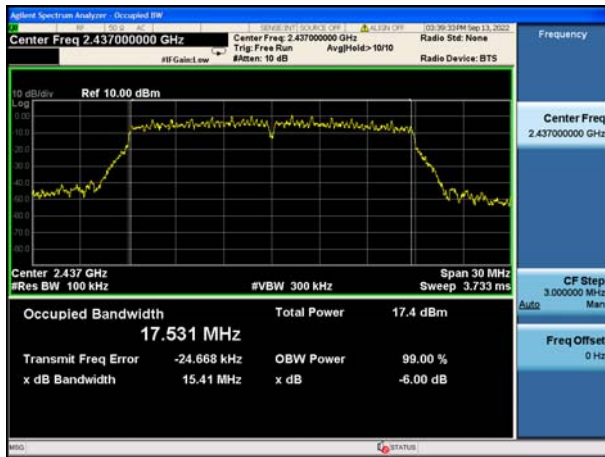
802.11n(HT20)



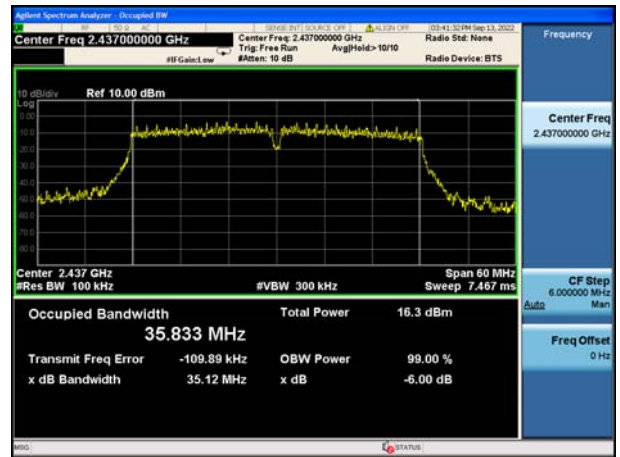
802.11n(HT40)



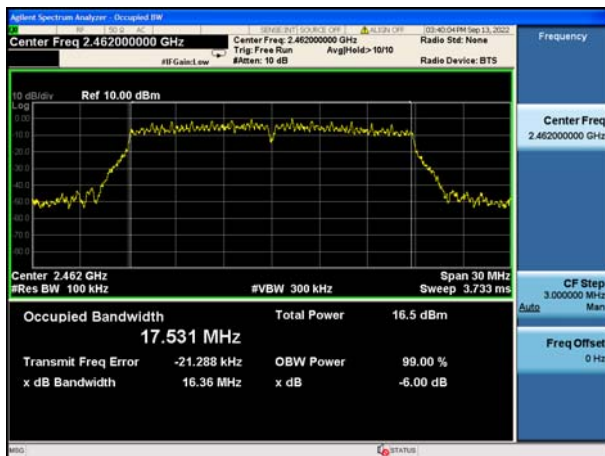
CH1



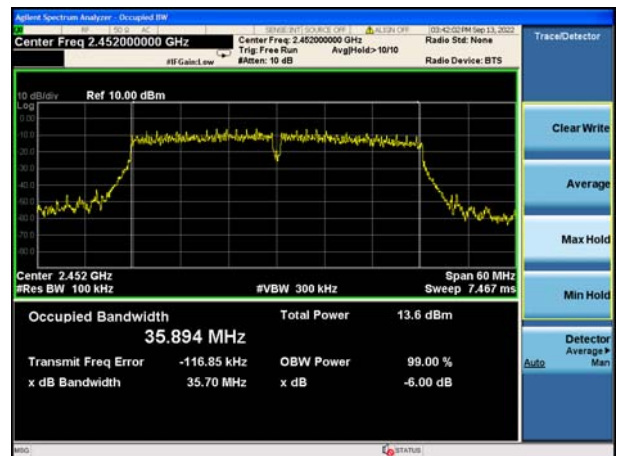
CH3



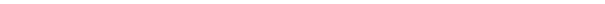
CH6



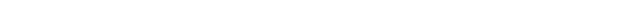
CH6



CH11

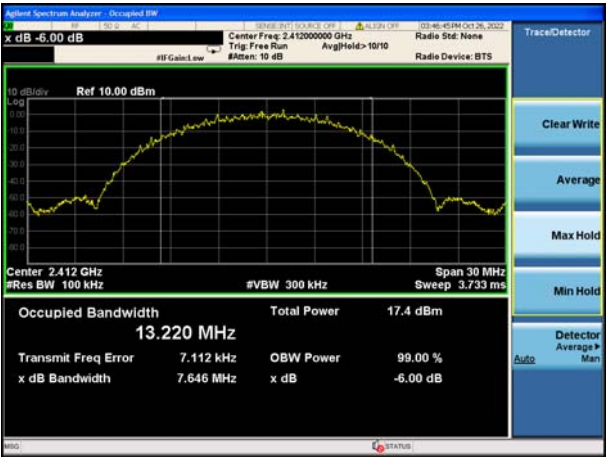


CH9

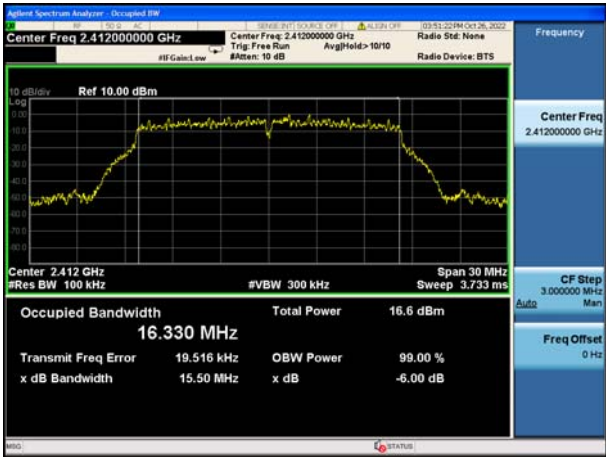


Antenna 2:

802.11b



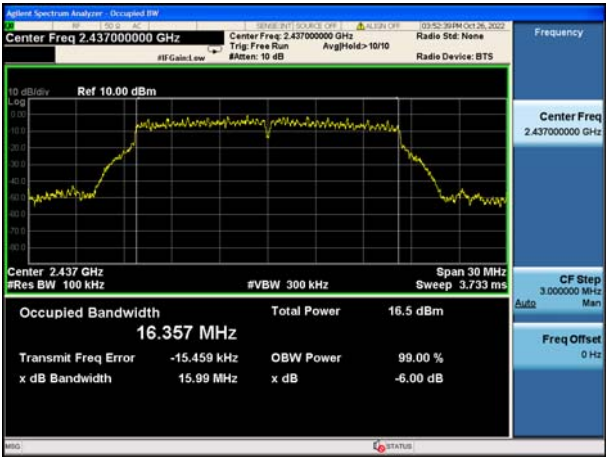
802.11g



CH1



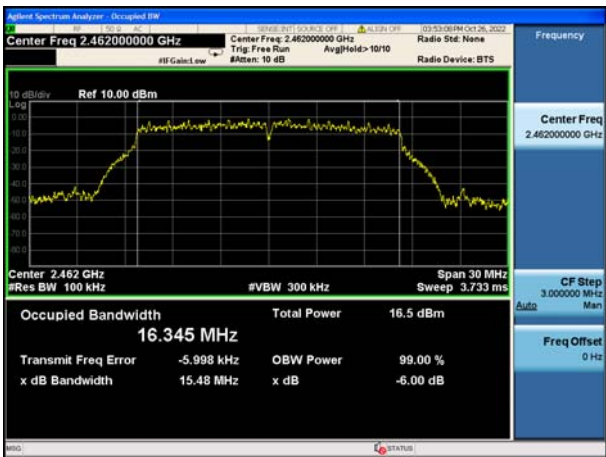
CH1



CH6



CH6

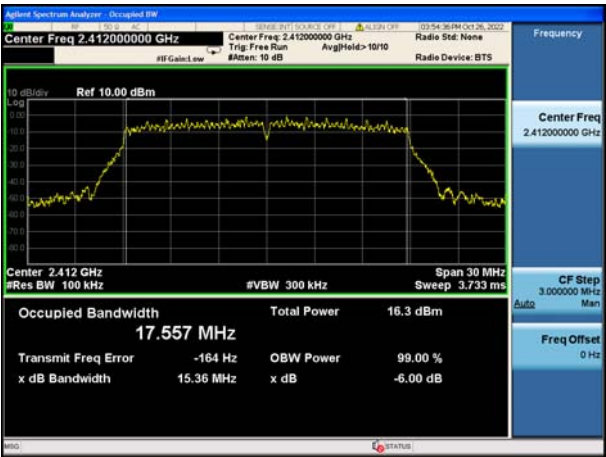


CH11

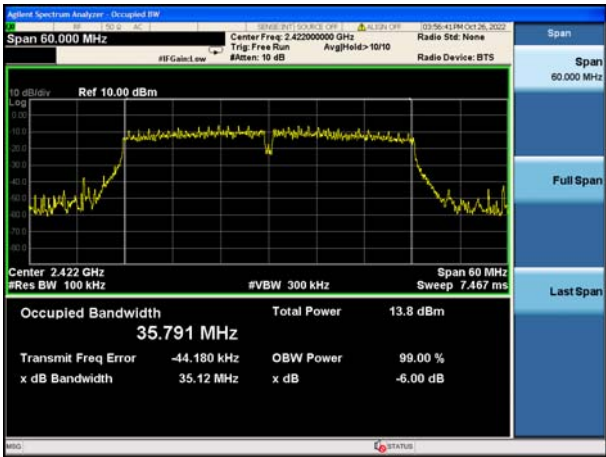
CH11

Antenna 2:

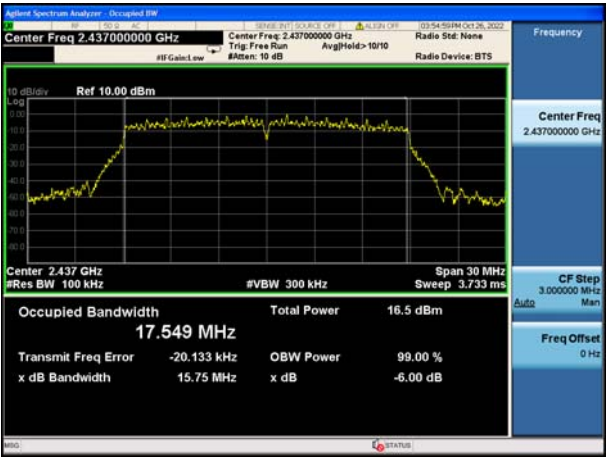
802.11n(HT20)



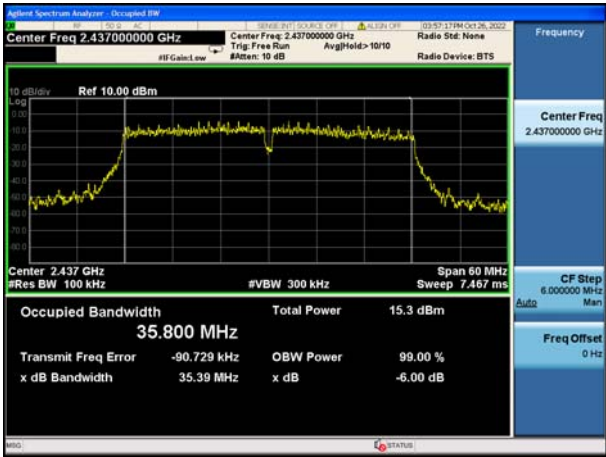
802.11n(HT40)



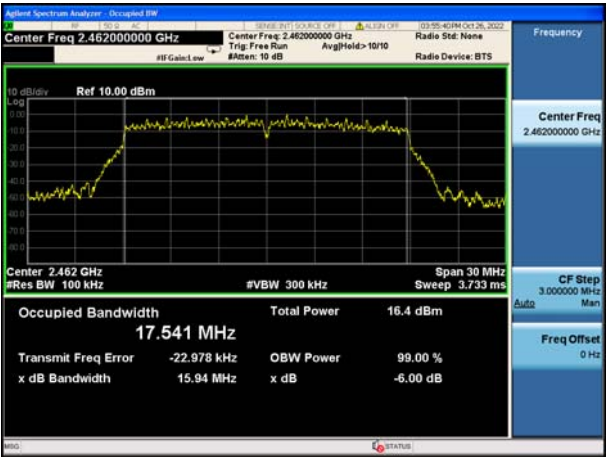
CH1



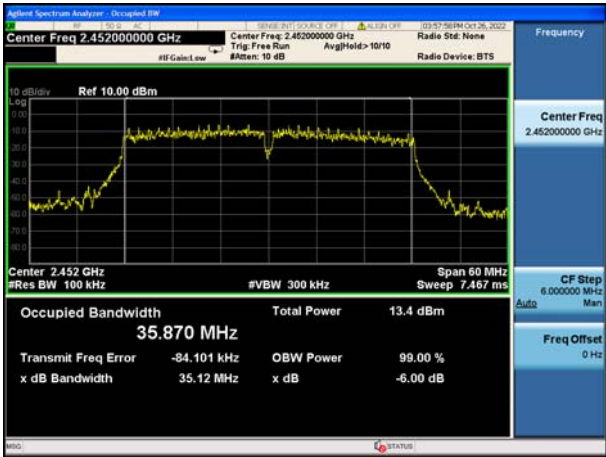
CH3



CH6



CH6

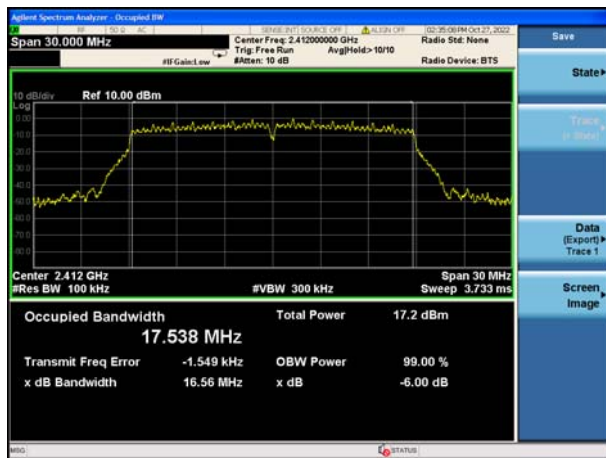


CH11

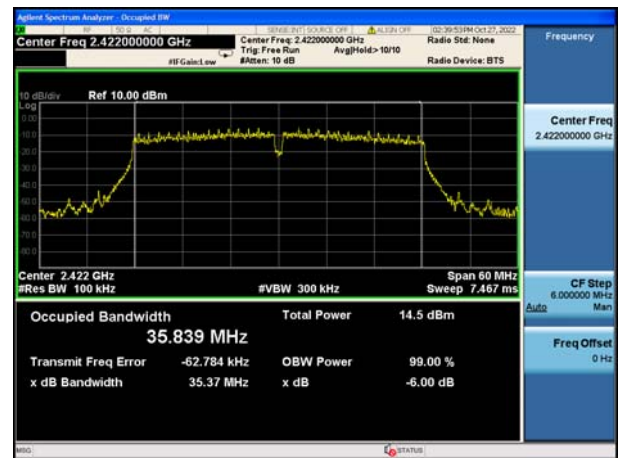
CH9

Antenna 1+ Antenna 2:

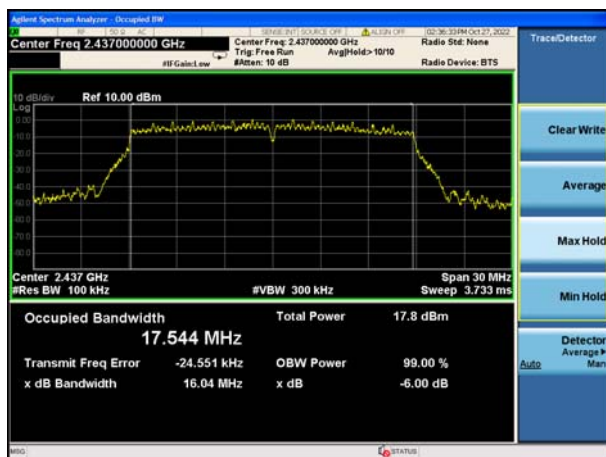
802.11n(HT20)



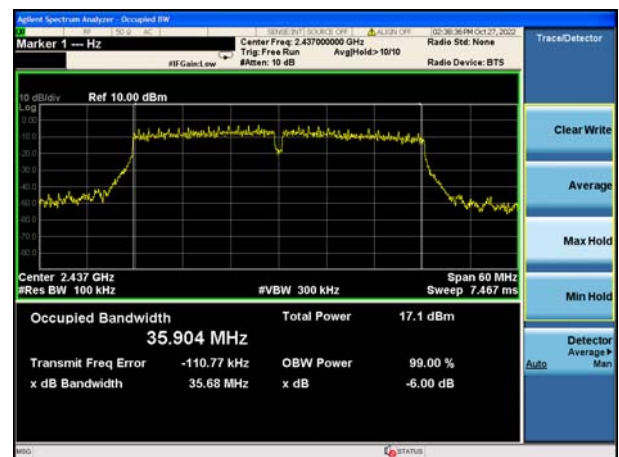
802.11n(HT40)



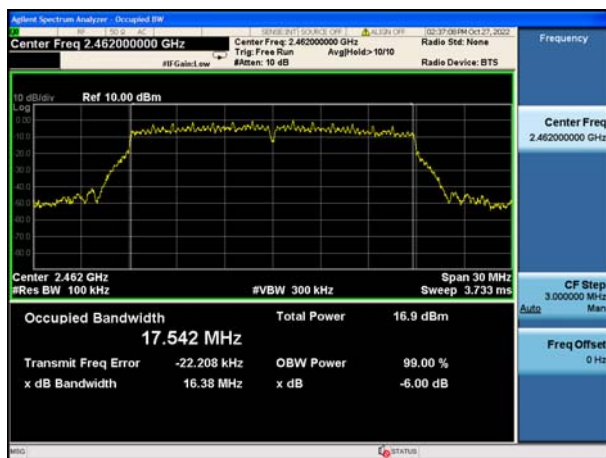
CH1



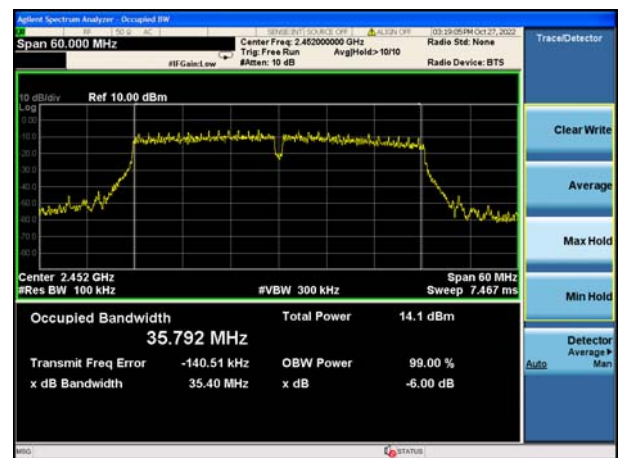
CH3



CH6



CH6



CH11

CH9

5.6 Out-of-band Emissions

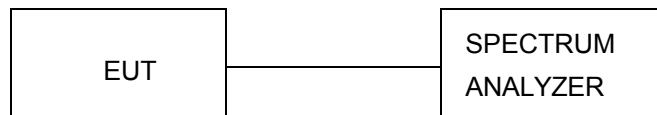
Limit

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.

Test Procedure

Connect the transmitter output to spectrum analyzer using a low loss RF cable, and set the spectrum analyzer to RBW=100 kHz, VBW= 300 kHz, peak detector, and max hold. Measurements utilizing these settings are made of the in-band reference level, bandedge and out-of-band emissions.

Test Configuration



Test Results

Remark: The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and bandage measurement data. And record the worst data in the report.

Test plot as follows:

Antenna 1:

802.11b



CH1



CH6



CH11

Antenna 1:

802.11g



CH1



CH6



CH11

Antenna 1:

802.11n(HT20)



CH1



CH6



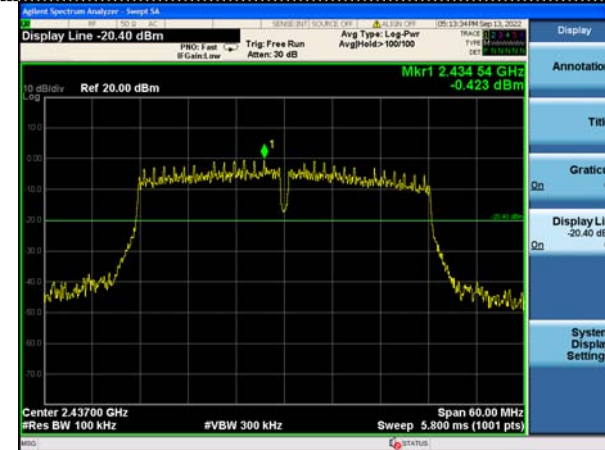
CH11

Antenna 1:

802.11n(HT40)



CH3



CH6



CH9

Antenna 2:

802.11b



CH1



CH6



CH11

Antenna 2:

802.11g



CH1



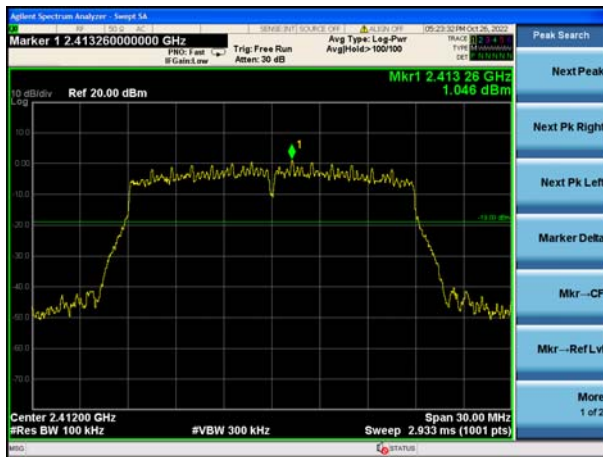
CH6



CH11

Antenna 2:

802.11n(HT20)



CH1



CH6



CH11

Antenna 2:

802.11n(HT40)



CH3



CH6



CH9

Antenna 1+ Antenna 2:

802.11n(HT20)



CH3



CH6



CH9

Antenna 1+ Antenna 2:

802.11n(HT40)



CH3



CH6



CH9

Antenna 1:

Reflected Spectrum Analyzer - Setup 2

Marker 2 2.400000000000 GHz

PRF: 1 MHz Trig: Free Run Trig Level: 30 dB

Avg Type: Log-Pwr Avg Freq: 100/100

TRACE 1 2.4 GHz

103-45-02 PM Sep 13, 2023

Ref 20.00 dBm

Mkr2 2.400 000 GHz -40.681 dBm

Start 2.31000 GHz Stop 2.43200 GHz

#VBW 300 kHz Sweep 11.67 ms (1001 pts)

MR	MODE	FREQ	VAL	FUNCTION	FUNCTION VALUE
1	N	2.412 724 GHz	-5.531 dBm		
2	N	2.400 000 GHz	-40.681 dBm		
3					
4					
5					
6					
7					
8					
9					
10					
11					

1 of 2

Left bandedge



Right bandedge

Agilent Spectrum Analyzer - Sweep 5A

Marker 2 2.400000000000 GHz

PRF: Fast Trig Free Run Avg Type: Log-Pwr AvgHold>100/100

03-49-14100 Sep 10, 2003

Marker

Select Marker

Normal

Delta

Fixed

OR

Properties

More

1 of 2

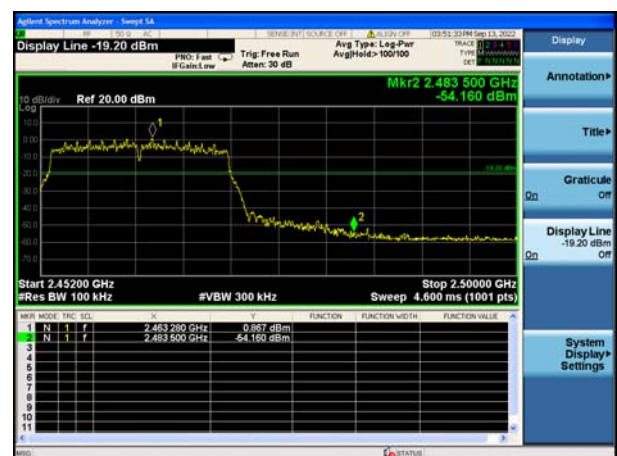
MSO: STATUS

The screenshot shows a Spectrum Analyzer interface. At the top, there's a title bar 'Agilent Spectrum Analyzer - Sweep 5A'. Below it, a status bar displays 'Marker 2 2.400000000000 GHz', 'PRF: Fast', 'Trig Free Run', 'Avg Type: Log-Pwr', 'AvgHold>100/100', and a date/time stamp '03-49-14100 Sep 10, 2003'. The main plot area shows a frequency spectrum with a yellow trace. A green horizontal line is at 'Ref 20.00 dBm'. A peak is labeled 'Mkr2 2.400 000 GHz -43.969 dBm'. The plot axes are '10 dBm' and 'Log'. Below the plot, there's a table with columns 'MRK MODE', 'FREQ', 'V', 'FUNCTION', 'FUNCTION WIDTH', and 'FUNCTION VALUE'. The table has 11 rows, with the first row containing 'N', 'F', '2.400 000 GHz', '-43.969 dBm'. The bottom of the screen shows 'MSO: STATUS'.

Left bandedge



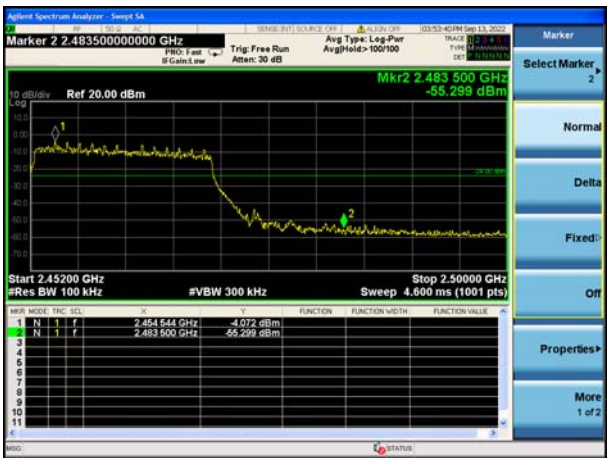
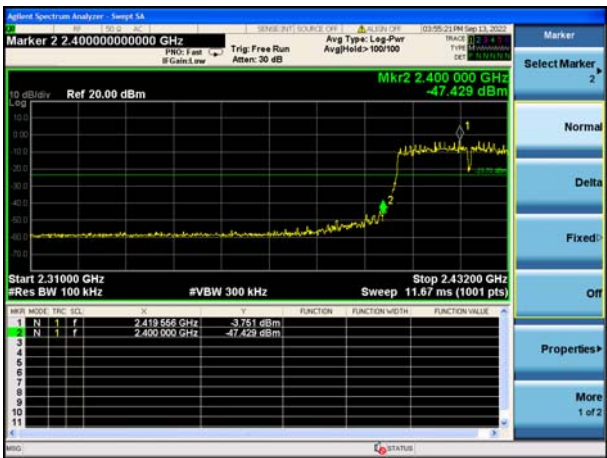
Right bandedge

[illegible]

Left bandedge

Right bandedge

802.11n(HT40)

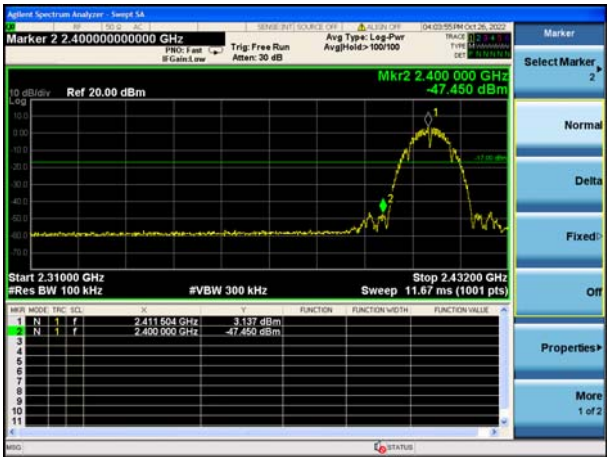


Left bandedge

Right bandedge

Antenna 2:

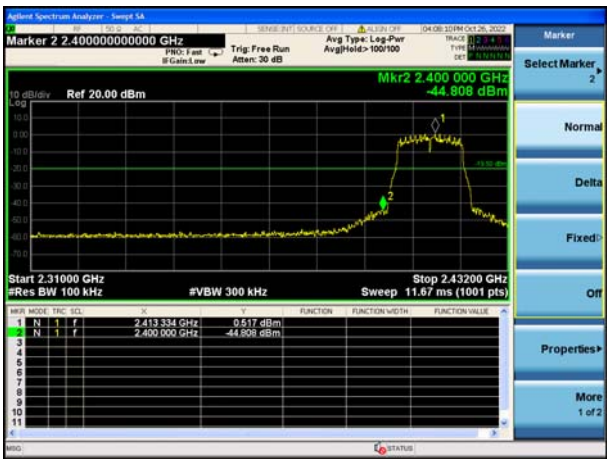
802.11b



Left bandedge

Right bandedge

802.11g

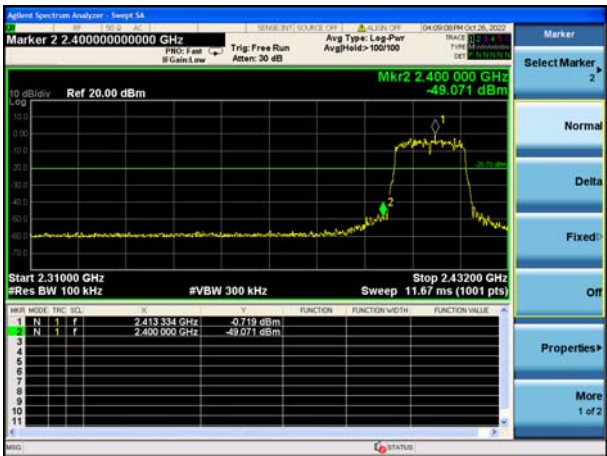


Left bandedge

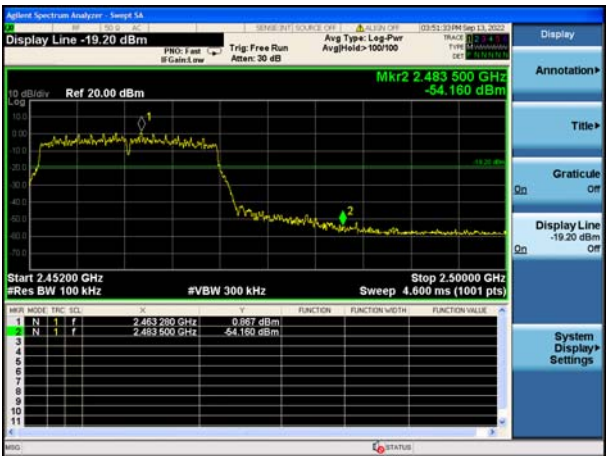


Right bandedge

802.11n(HT20)



Left bandedge

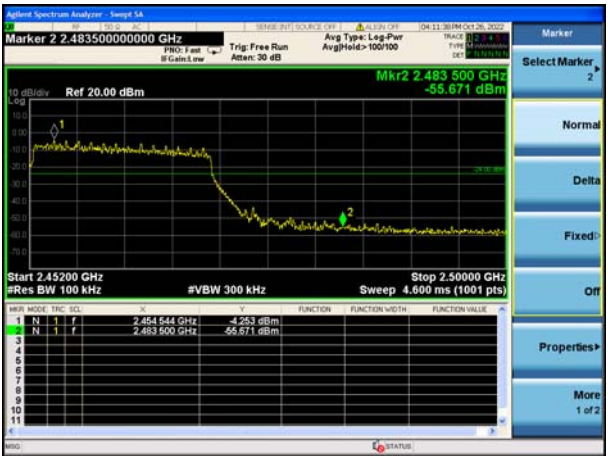


Right bandedge

802.11n(HT40)



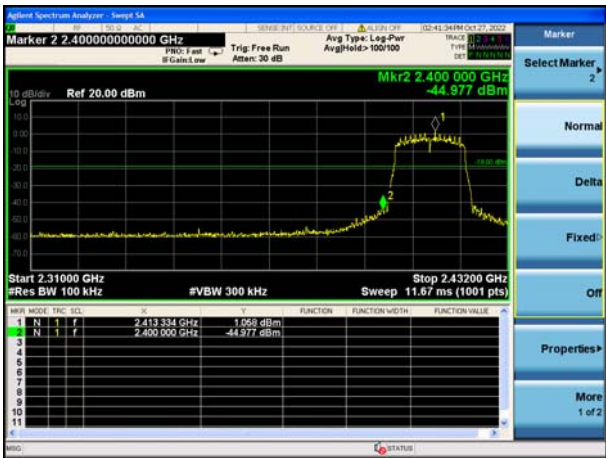
Left bandedge



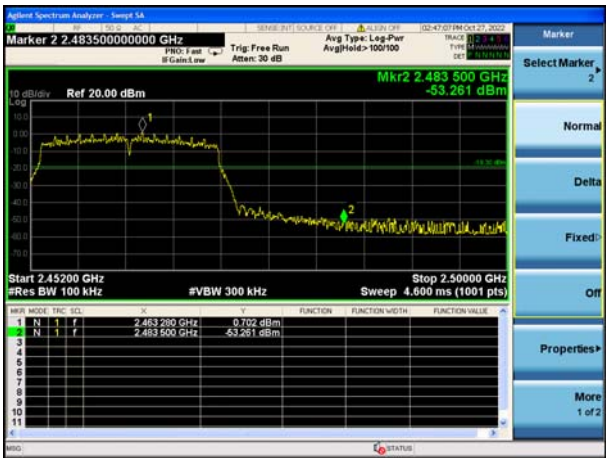
Right bandedge

Antenna 1+ Antenna 2:

802.11n(HT20)

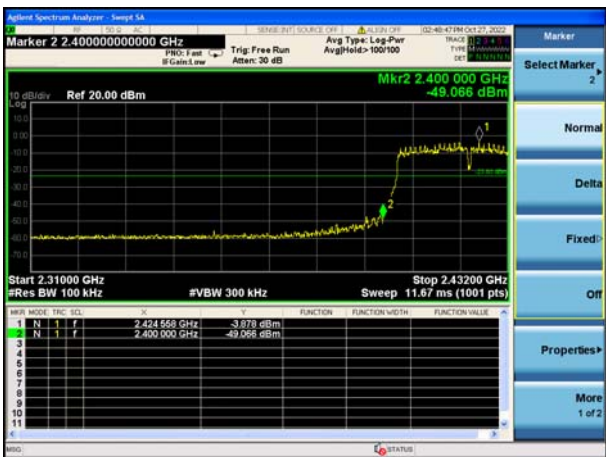


Left bandedge

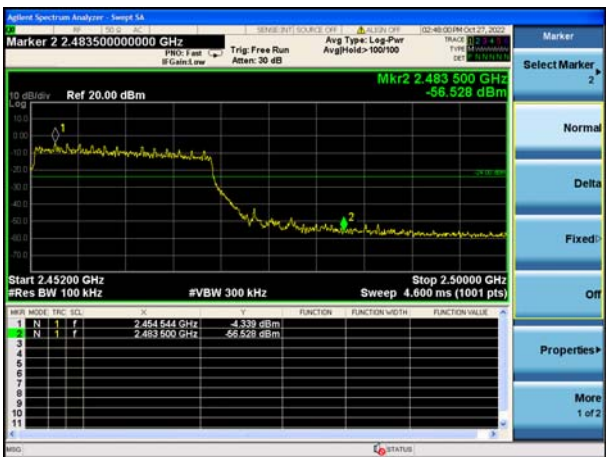


Right bandedge

802.11n(HT40)



Left bandedge



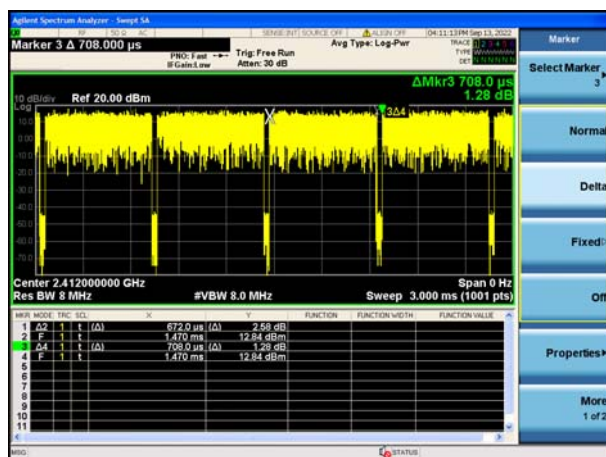
Right bandedge

5.7 Duty Cycle Information

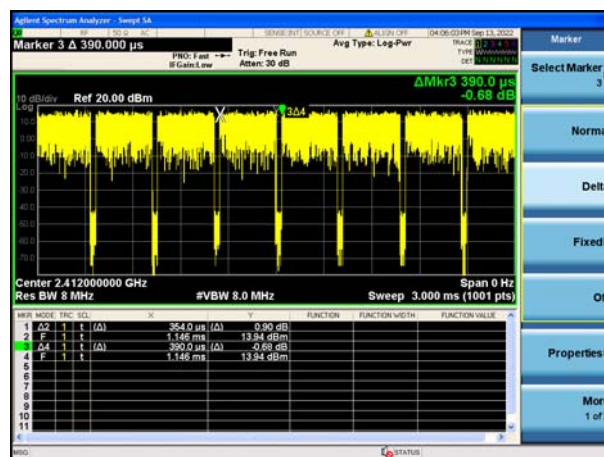
Antenna 1:

Test Mode	Data Rate	Tested Frequency	Maximum Achievable Duty Cycle (x) = On / (On+Off)			Duty Cycle Correction Factor [dB]
			On Time [ms]	(On+Off) Time [ms]	x	
11b	1 Mbps	2412	0.672	0.708	94.91%	0.074
11g	6 Mbps	2412	0.354	0.390	90.76%	0.065
11(n20)	6.5Mbps	2412	1.296	1.332	97.29%	0.071
11(n40)	6.5Mbps	2412	0.456	0.492	92.68%	0.071

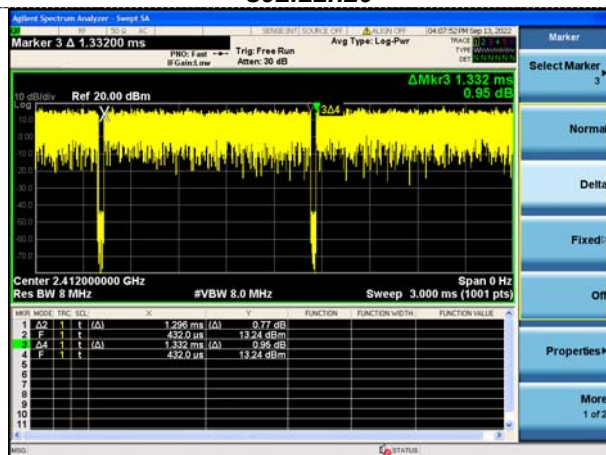
802.11b



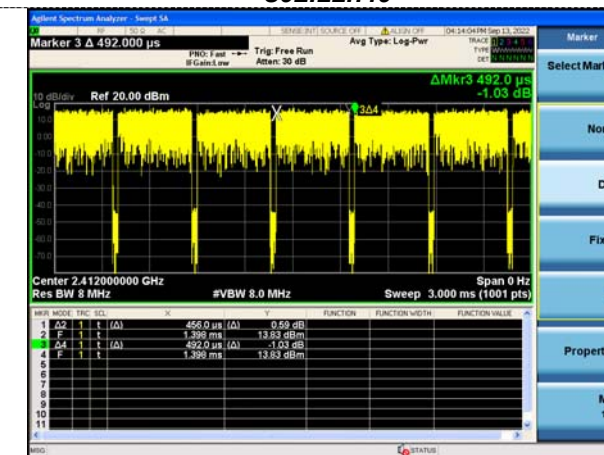
802.11g



802.11n20



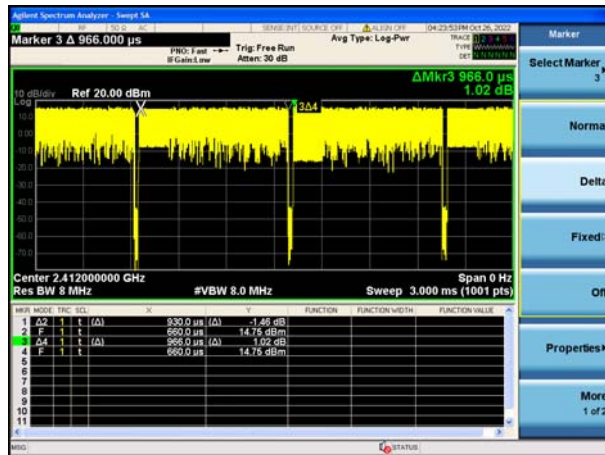
802.11n40



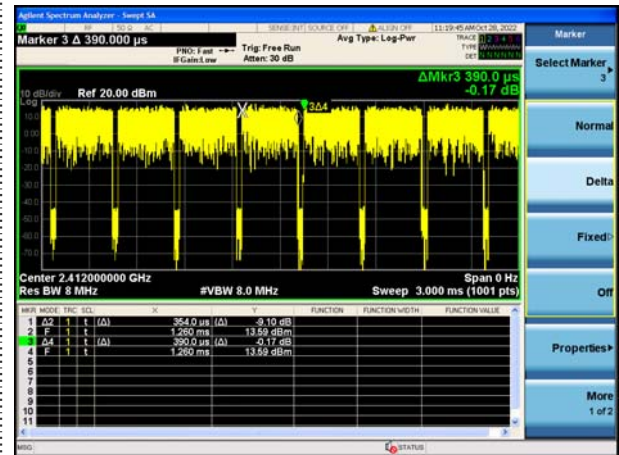
Antenna 2:

Test Mode	Data Rate	Tested Frequency	Maximum Achievable Duty Cycle (x) = On / (On+Off)			Duty Cycle Correction Factor [dB]
			On Time [ms]	(On+Off) Time [ms]	x	
11b	1 Mbps	2412	0.930	0.966	96.27%	0.074
11g	6 Mbps	2412	0.354	0.390	90.76%	0.065
11(n20)	6.5Mbps	2412	1.296	1.338	96.86%	0.071
11(n40)	6.5Mbps	2412	0.666	0.702	94.87%	0.071

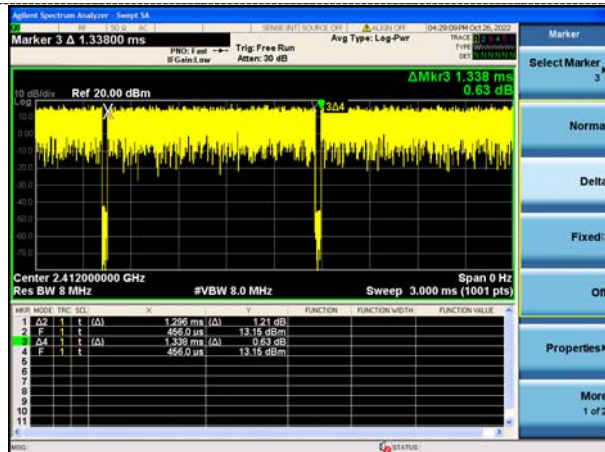
802.11b



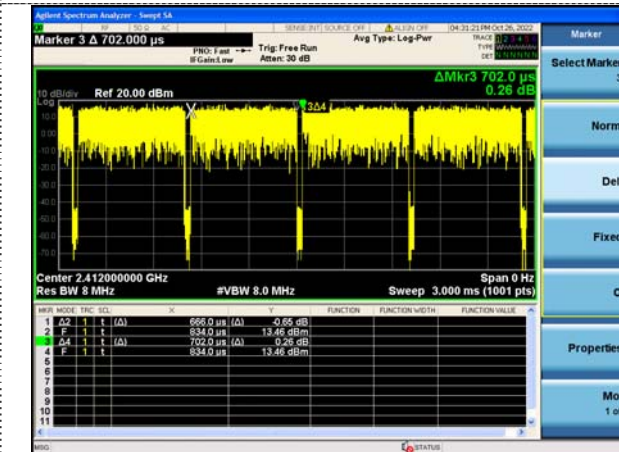
802.11g



802.11n20

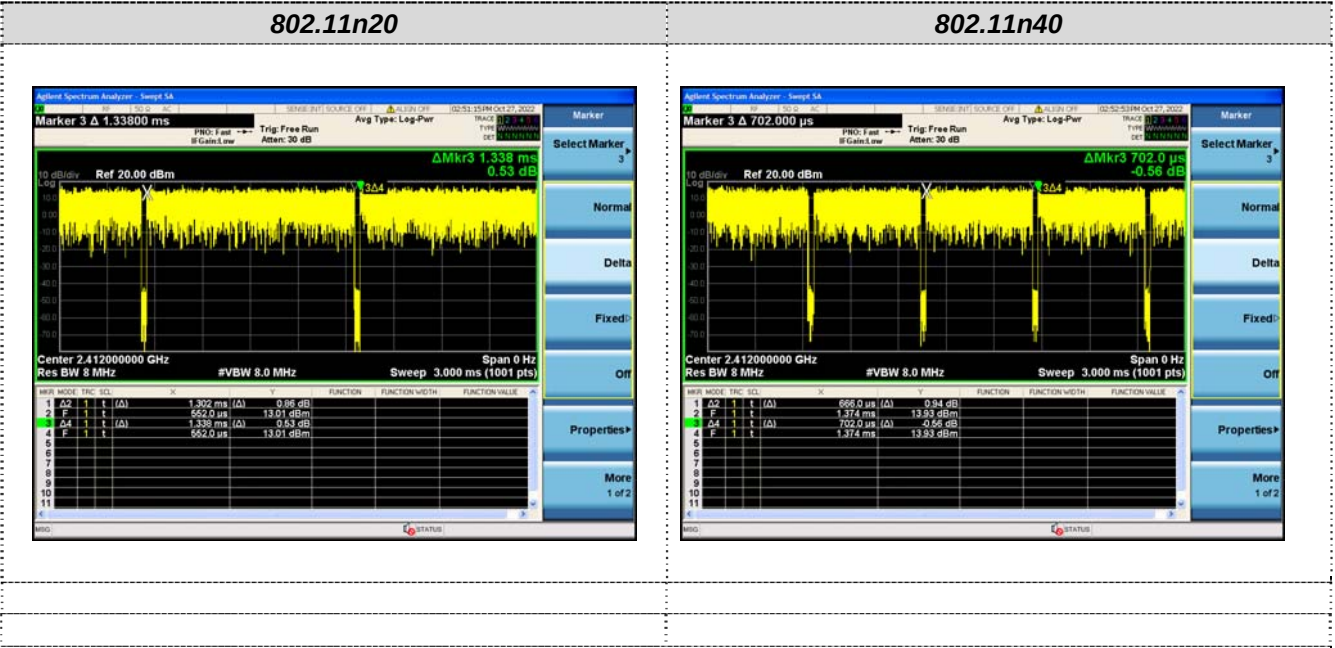


802.11n40



Antenna 1+ Antenna 2:

Test Mode	Data Rate	Tested Frequency	Maximum Achievable Duty Cycle (x) = On / (On+Off)			Duty Cycle Correction Factor [dB]
			On Time [ms]	(On+Off) Time [ms]	x	
11(n20)	6.5Mbps	2412	1.302	1.338	97.30%	0.071
11(n40)	6.5Mbps	2412	0.666	0.702	94.87%	0.071



5.8 Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR Section 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, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited

FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1) (I):

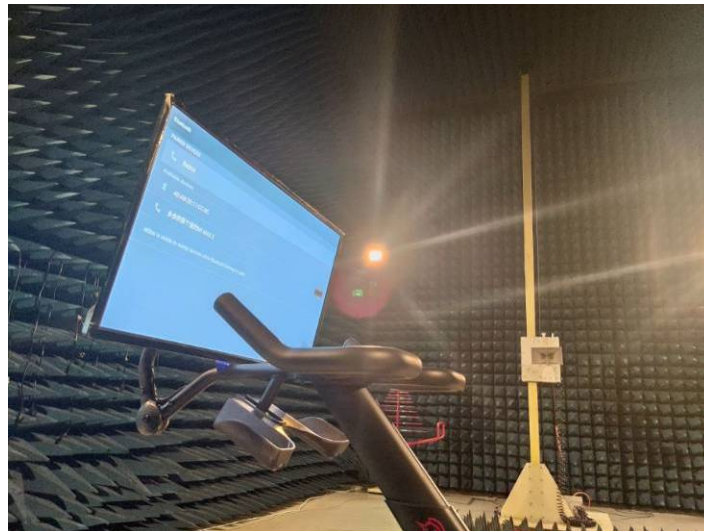
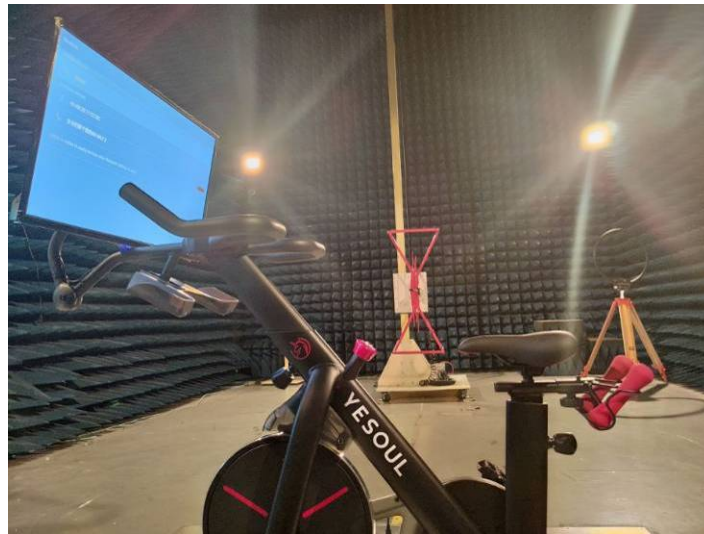
(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

Test Result:

The directional gains of antenna used for transmitting is 2.19dBi, and the antenna is an FPC Antenna and no consideration of replacement. Please see EUT photo for details.

Results: Compliance.

6 Test Setup Photos of the EUT



7 Photos of the EUT

See related photo report.

***** End of Report *****