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TEST REPORT

Report Reference No. ..... :	**CHTEW19100047**	Report verification:
Project No. ..... :	**SHT1909051401EW**	
FCC ID ..... :	**2AM86W-V720**	
Applicant's name ..... :	**Wiko SAS**	
Address ..... :	1, rue Capitaine Dessemond – 13007 Marseille – France.	
Manufacturer ..... :	Shenzhen Tinno Mobile Technology Corp.	
Address ..... :	4/F,H-3 Building,OCT Eastern Industrial Park. NO.1 XiangShan East Road,Nan Shan District,Shenzhen,P.R.China.	
Test item description ..... :	**Mobile Phone**	
Trade Mark ..... :	WIKO	
Model/Type reference ..... :	W-V720	
Listed Model(s) ..... :	-	
Standard ..... :	**FCC CFR Title 47 Part 15 Subpart C Section 15.247**	
Date of receipt of test sample……..... :	Sep 18, 2019	
Date of testing…….. :	Sep 19, 2019- Oct 11, 2019	
Date of issue……..... :	Oct 12, 2019	
Result..... ……..... :	**PASS**	

Compiled by (position+printedname+signature)... :	File administrators Silvia Li	Silvia Li
Supervised by (position+printedname+signature).... :	Project Engineer Aaron Fang	Aaron.Fang
Approved by (position+printedname+signature).... :	RF Manager Hans Hu	Hans Hu

Testing Laboratory Name ..... :	**Shenzhen Huatongwei International Inspection Co., Ltd.**
Address ..... :	1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China

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The test report merely correspond to the test sample.

Contents

1. TEST STANDARDS AND REPORT VERSION

1.1. 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 forTesting Unlicensed Wireless Devices

KDB 558074 D01 15.247 Meas Guidance v05r02: Guidance for Compliance Measurements on Digital Transmission System, Frequency Hopping Spread Spectrum System, and Hybrid System Devices Operating under Section 15.247 of The FCC Rules

1.2. Report version

Revision No.	Date of issue	Description
N/A	2019-10-12	Original

2. TEST DESCRIPTION

Test Item	FCC Rule	Result	Test Engineer
Antenna requirement	15.203/15.247(c)	PASS	Minghua Fan
Line Conducted Emissions (AC Main)	15.207	PASS	Minghua Fan
Conducted Peak Output Power	15.247(b)(3)	PASS	Bruce Wong
Power Spectral Density	15.247(e)	PASS	Bruce Wong
6dB Bandwidth	15.247(a)(2)	PASS	Bruce Wong
Restricted band	15.247(d)/15.205	PASS	Bruce Wong
Spurious Emissions	15.247(d)/15.209	PASS	Bruce Wong

Note: The measurement uncertainty is not included in the test result.

3. SUMMARY

3.1. Client Information

Applicant:	Wiko SAS
Address:	1, rue Capitaine Dessemond – 13007 Marseille – France.
Manufacturer:	Shenzhen Tinno Mobile Technology Corp.
Address:	4/F,H-3 Building,OCT Eastern Industrial Park. NO.1 XiangShan East Road,Nan Shan District,Shenzhen,P.R.China.

3.2. Product Description

Name of EUT:	Mobile Phone
Trade Mark:	WIKO
Model No.:	W-V720
Listed Model(s):	-
IMEI:	Conducted: 356060100105265 Radiated: 356060100105281
Power supply:	DC 3.85V
Adapter information:	Input:100-240Va.c., 50/60Hz, 250mA Output:5.0Vd.c., 1.55A
Hardware version:	V1.0
Software version:	W-V720-CA-V01.06-20-9.0-GBL
WIFI	
Supported type:	802.11b/802.11g/802.11n(HT20)
Modulation:	DSSS for 802.11b OFDM for 802.11g/802.11n(HT20)
Operation frequency:	2412MHz~2462MHz
Channel number:	11
Channel separation:	5MHz
Antenna type:	PIFA Antenna
Antenna gain:	-0.5dBi

3.3. Operation state

➢ **Test frequency list**

According to section 15.31(m), regards to the operating frequency range over 10 MHz, must select three channel which were tested. the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, please see the above gray bottom.

802.11b/g/n(HT20)	
Channel	Frequency (MHz)
01	2412
02	2417
...	...
06	2437
...	...
10	2457
11	2462

➢ **Test mode**

For RF test items
The engineering test program was provided and enabled to make EUT continuous transmit (duty cycle>98%).
For AC power line conducted emissions:
The EUT was set to connect with the WLAN AP under large package sizes transmission.
For Radiated suprious emissions test item:
The engineering test program was provided and enabled to make EUT continuous transmit(duty cycle>98%). The EUT in each of three orthogonal axis emissions had been tested ,but only the worst case (X axis) data Recorded in the report.

3.4. EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

- ● - supplied by the manufacturer
- ○ - supplied by the lab

○	/	Manufacturer:	/
		Model No.:	/
○	/	Manufacturer:	/
		Model No.:	/

3.5. Modifications

No modifications were implemented to meet testing criteria.

4. TEST ENVIRONMENT

4.1. Address of the test laboratory

Laboratory: Shenzhen Huatongwei International Inspection Co., Ltd.
Address: 1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China

4.2. Test Facility

CNAS-Lab Code: L1225

Shenzhen Huatongwei International Inspection Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories.

A2LA-Lab Cert. No.: 3902.01

Shenzhen Huatongwei International Inspection 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.

FCC-Registration No.: 762235

Shenzhen Huatongwei International Inspection 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.

IC-Registration No.:5377A

Two 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No.: 5377A.

ACA

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory can also perform testing for the Australian C-Tick mark as a result of our A2LA accreditation.

4.3. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15~35°C
Relative Humidity:	30~60 %
Air Pressure:	950~1050mba

4.4. 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 in calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report according to TR-100028-01 “Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1” and TR-100028-02 “Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2” and is documented in the Shenzhen Huatongwei International Inspection Co., Ltd. quality system according to 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.

Here after the best measurement capability for Shenzhen Huatongwei International Inspection Co., Ltd. is reported:

Test Items	Measurement Uncertainty	Notes
Transmitter power conducted	0.51 dB	(1)
Conducted spurious emissions 9kHz~40GHz	0.51 dB	(1)
Conducted Disturbance 150kHz~30MHz	3.02 dB	(1)
Radiated Emissions below 1GHz	4.90 dB	(1)
Radiated Emissions above 1GHz	4.96 dB	(1)
Occupied Bandwidth	70 Hz	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

4.5. Equipments Used during the Test

● Conducted Emission						
Used	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
●	Shielded Room	Albatross projects	N/A	N/A	2018/09/28	2023/09/27
●	EMI Test Receiver	R&S	ESCI	101247	2018/10/27	2019/10/26
●	Artificial Mains	SCHWARZBECK	NNLK 8121	573	2018/10/27	2019/10/26
●	Pulse Limiter	R&S	ESH3-Z2	100499	2018/10/27	2019/10/26
●	RF Connection Cable	HUBER+SUHNER	EF400	N/A	2018/11/15	2019/11/14
●	Test Software	R&S	ES-K1	N/A	N/A	N/A
○	Single Balanced Telecom Pair ISN	FCC	FCC-TLISN-T2-02	20371	2018/10/28	2019/10/27
○	Two Balanced Telecom Pairs ISN	FCC	FCC-TLISN-T4-02	20373	2018/10/28	2019/10/27
○	Four Balanced Telecom Pairs ISN	FCC	FCC-TLISN-T8-02	20375	2018/10/28	2019/10/27
○	V-Network	R&S	ESH3-Z6	100211	2018/10/27	2019/10/26
○	V-Network	R&S	ESH3-Z6	100210	2018/10/27	2019/10/26
○	2-Line V-Network	R&S	ESH3-Z5	100049	2018/10/27	2019/10/26

● Radiated Emission-6th test site						
Used	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
●	Semi-Anechoic Chamber	Albatross projects	SAC-3m-02	N/A	2018/09/30	2021/09/29
●	EMI Test Receiver	R&S	ESCI	100900	2018/10/28	2019/10/27
●	Loop Antenna	R&S	HFH2-Z2	100020	2017/11/20	2020/11/19
●	Ultra-Broadband Antenna	SCHWARZBECK	VULB9163	546	2017/04/05	2020/04/04
●	Pre-Amplifer	SCHWARZBECK	BBV 9742	N/A	2018/11/15	2019/11/14
●	RF Connection Cable	HUBER+SUHNER	N/A	N/A	2019/08/21	2020/08/20
●	RF Connection Cable	HUBER+SUHNER	SUCOFLEX104	501184/4	2019/05/27	2020/05/26
●	Test Software	R&S	ES-K1	N/A	N/A	N/A
●	Turntable	Maturo Germany	TT2.0-1T	N/A	N/A	N/A
●	Antenna Mast	Maturo Germany	CAM-4.0-P-12	N/A	N/A	N/A

● Radiated emission-7th test site						
Used	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
●	Semi-Anechoic Chamber	Albatross projects	SAC-3m-01	N/A	2018/09/30	2021/09/29
●	Spectrum Analyzer	R&S	FSP40	100597	2018/10/27	2019/10/26
●	Horn Antenna	SCHWARZBECK	9120D	1011	2017/03/27	2020/03/26
●	Pre-amplifier	BONN	BLWA0160-2M	1811887	2018/11/14	2019/11/13
●	Pre-amplifier	CD	PAP-0102	12004	2018/11/14	2019/11/13
●	Broadband Pre-amplifier	SCHWARZBECK	BBV 9718	9718-248	2019/04/26	2020/04/25
●	RF Connection Cable	HUBER+SUHNER	RE-7-FH	N/A	2018/11/15	2019/11/14
●	RF Connection Cable	HUBER+SUHNER	RE-7-FL	N/A	2018/11/15	2019/11/14
●	Test Software	Audix	E3	N/A	N/A	N/A

●	Turntable	Maturo Germany	TT2.0-1T	N/A	N/A	N/A
●	Antenna Mast	Maturo Germany	CAM-4.0-P-12	N/A	N/A	N/A

●	RF Conducted Method					
Used	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
●	Signal and spectrum Analyzer	R&S	FSV40	100048	2018/10/28	2019/10/27
●	Spectrum Analyzer	Agilent	N9020A	MY50510187	2018/10/8	2020/10/7
●	OSP	R&S	OSP120	101317	N/A	N/A
○	Radio communication tester	R&S	CMW500	137688-Lv	2018/10/8	2020/10/7
○	Test software	Tonscend	JS1120-1(LTE)	N/A	N/A	N/A
○	Test software	Tonscend	JS1120-2(WIFI)	N/A	N/A	N/A
○	Test software	Tonscend	JS1120-3(WCDMA)	N/A	N/A	N/A
○	Test software	Tonscend	JS1120-4(GSM)	N/A	N/A	N/A

5. TEST CONDITIONS AND RESULTS

5.1. Antenna requirement

REQUIREMENT:

FCC CFR Title 47 Part 15 Subpart C 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 anantenna 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 6 dBi 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 6 dBi.

TEST RESULTS

☒ **Passed** ☐ **Not Applicable**

The directional gain of the antenna less than 6 dBi, please refer to the below antenna photo.

5.2. Conducted Emissions (AC Main)

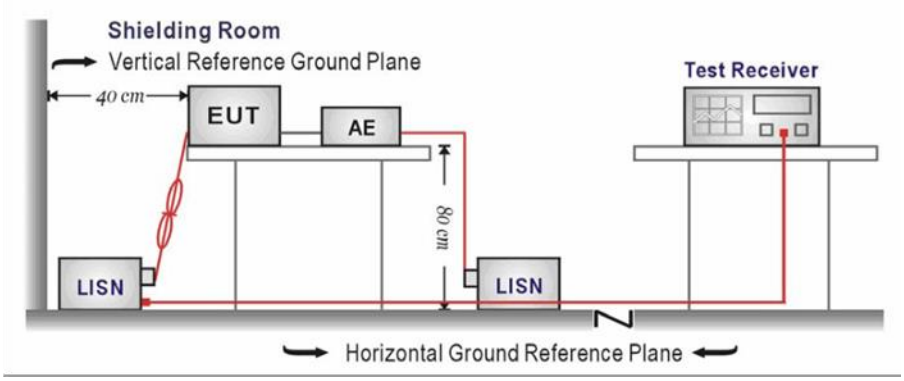
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.207:

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 CONFIGURATION



TEST PROCEDURE

1. The EUT was setup according to ANSI C63.10:2013 requirements.
2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
3. The EUT and simulators are connected to the main power through a line impedances stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment.
4. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor,was individually connected through a LISN to the input power source.
6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
7. Conducted Emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
8. During the above scans, the emissions were maximized by cable manipulation.

TEST MODE:

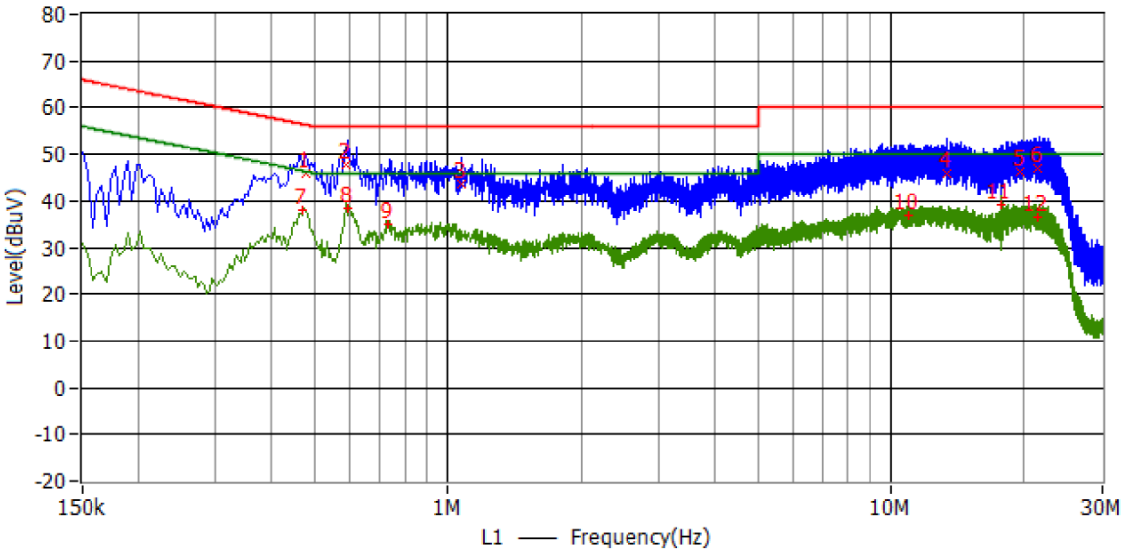
Please refer to the clause 3.3

TEST RESULTS

☒ **Passed** ☐ **Not Applicable**

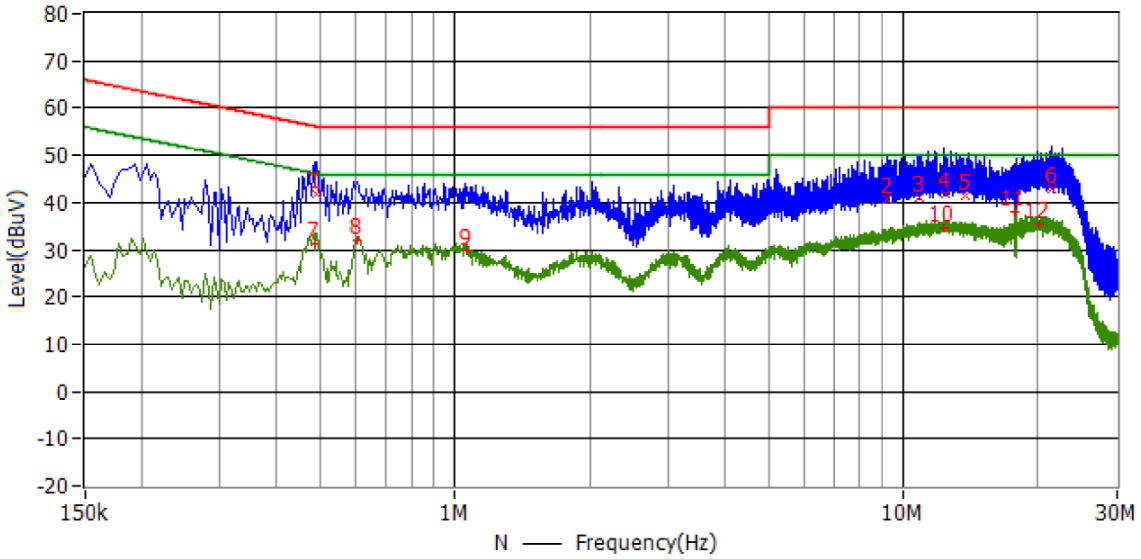
Note:
1) Transd=Cable lose+ Pulse Limiter Factor + Artificial Mains Factor
2) Margin= Limit -Level

Test Line:	L



No.	Frequency	Limit dBuV	Level dBuV	Delta dB	Factor dB	Detector	Phase
1	478.000 kHz	56.4	45.8	-10.5	10.1	QP	L1
2	590.000 kHz	56.0	47.7	-8.3	10.1	QP	L1
3	1.070 MHz	56.0	43.5	-12.5	10.1	QP	L1
4	13.330 MHz	60.0	46.0	-14.0	10.2	QP	L1
5	19.618 MHz	60.0	46.4	-13.6	10.2	QP	L1
6	21.522 MHz	60.0	47.1	-12.9	10.2	QP	L1
7	470.000 kHz	46.5	38.1	-8.4	10.1	AV	L1
8	598.000 kHz	46.0	38.4	-7.6	10.1	AV	L1
9	734.000 kHz	46.0	35.0	-11.0	10.1	AV	L1
10	10.970 MHz	50.0	37.0	-13.0	10.2	AV	L1
11	17.646 MHz	50.0	39.1	-10.9	10.2	AV	L1
12	21.510 MHz	50.0	36.6	-13.4	10.2	AV	L1

Test Line:	N



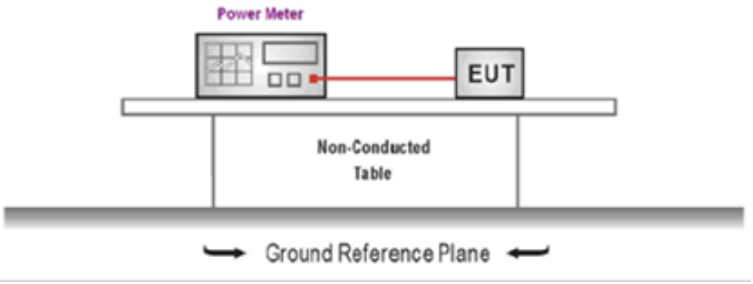
No.	Frequency	Limit dBuV	Level dBuV	Delta dB	Factor dB	Detector	Phase
1	494.000 kHz	56.1	41.9	-14.2	9.9	QP	N
2	9.186 MHz	60.0	40.8	-19.2	10.1	QP	N
3	10.878 MHz	60.0	41.1	-18.9	10.1	QP	N
4	12.390 MHz	60.0	41.7	-18.3	10.1	QP	N
5	13.810 MHz	60.0	41.4	-18.6	10.2	QP	N
6	21.454 MHz	60.0	42.8	-17.2	10.2	QP	N
7	486.000 kHz	46.2	31.4	-14.8	9.9	AV	N
8	606.000 kHz	46.0	32.0	-14.0	9.9	AV	N
9	1.062 MHz	46.0	29.9	-16.1	9.9	AV	N
10	12.378 MHz	50.0	34.7	-15.3	10.1	AV	N
11	17.766 MHz	50.0	38.2	-11.8	10.2	AV	N
12	20.050 MHz	50.0	35.3	-14.7	10.2	AV	N

5.3. Conducted Peak Output Power

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (b)(3): 30dBm

TEST CONFIGURATION



TEST PROCEDURE

1. The EUT was tested according to ANSI C63.10: 2013 and KDB 558074 D01 for compliance to FCC 47 CFR 15.247 requirements.
2. The maximum peak conducted output power may be measured using a broadband peak RF power meter.
3. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall utilize a fast-responding diode detector
4. Record the measurement data.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

☒ **Passed** ☐ **Not Applicable**

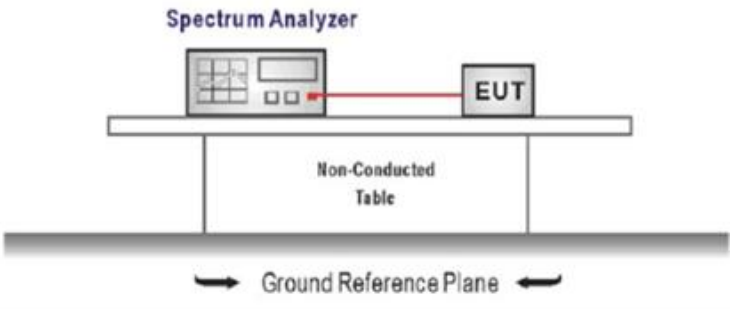
Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
802.11b	01	17.70	16.21	≤30.00	Pass
	06	18.56	16.51		
	11	18.25	16.06		
802.11g	01	14.63	10.69	≤30.00	Pass
	06	14.16	10.26		
	11	14.58	10.68		
802.11n(HT20)	01	13.70	10.12	≤30.00	Pass
	06	13.09	10.04		
	11	13.60	10.13		

5.4. Power Spectral Density

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (e):
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 CONFIGURATION



TEST PROCEDURE

1. Connect the antenna port(s) to the spectrum analyzer input,
2. Configure the spectrum analyzer as shown below:
   Center frequency=DTS channel center frequency
   Span =1.5 times the DTS bandwidth
   RBW = 3 kHz ≤ RBW ≤ 100 kHz, VBW ≥ 3 × RBW
   Sweep time = auto couple
   Detector = peak
   Trace mode = max hold
3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter wave form on the spectrum analyzer.
4. Use the peak marker function to determine the maximum amplitude level within the RBW.
5. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

TEST MODE:

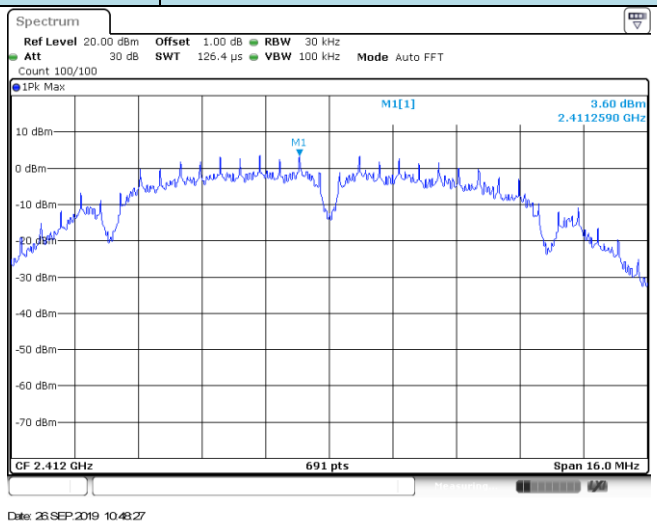
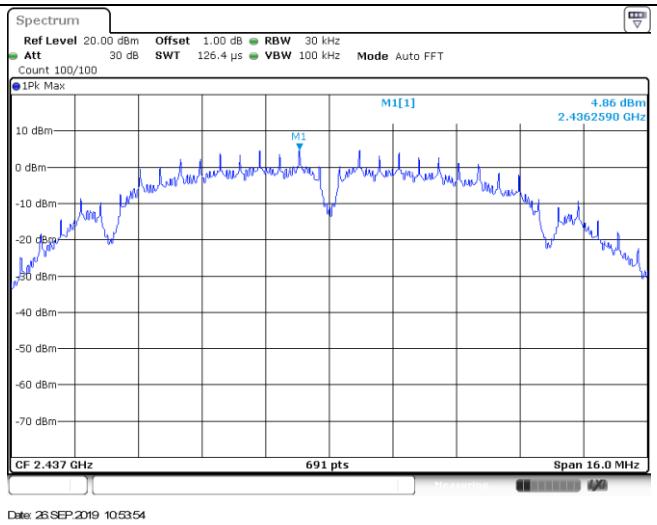
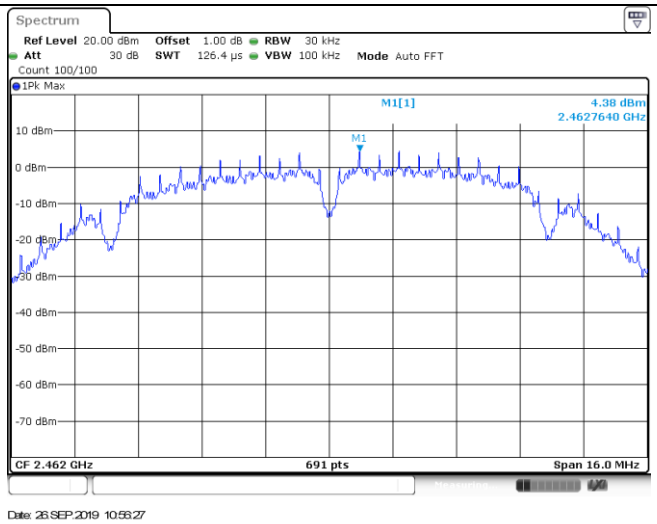
Please refer to the clause 3.3

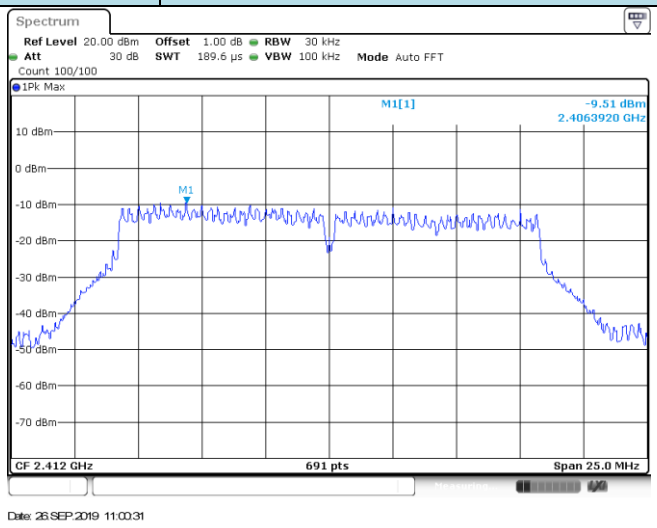
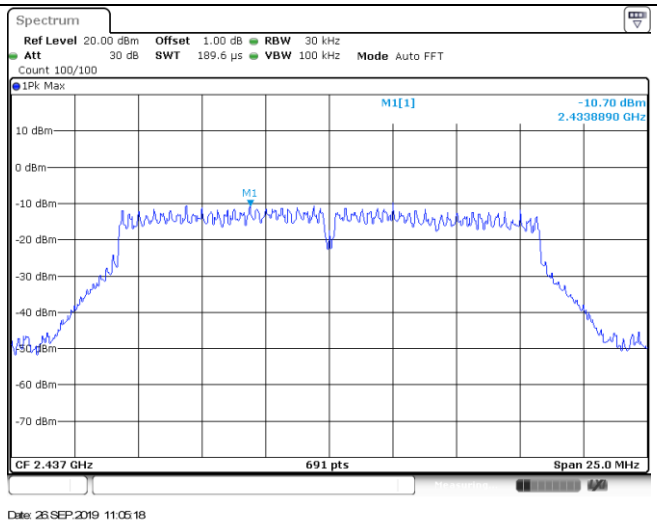
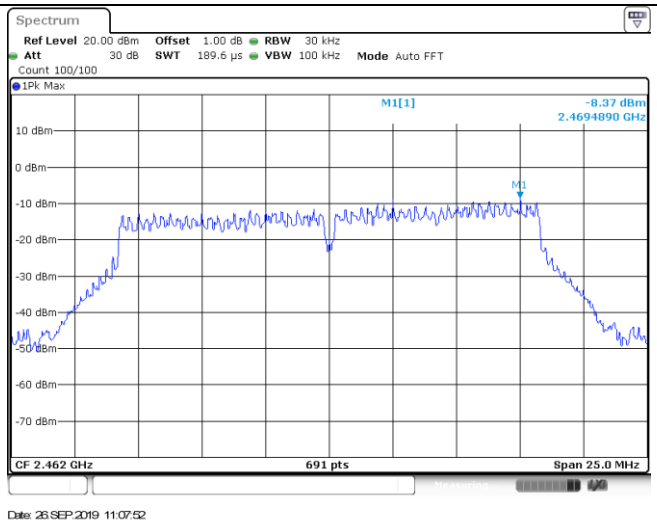
TEST RESULTS

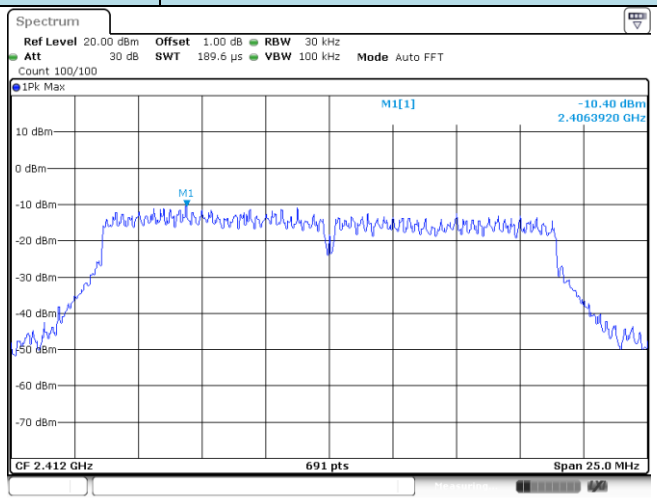
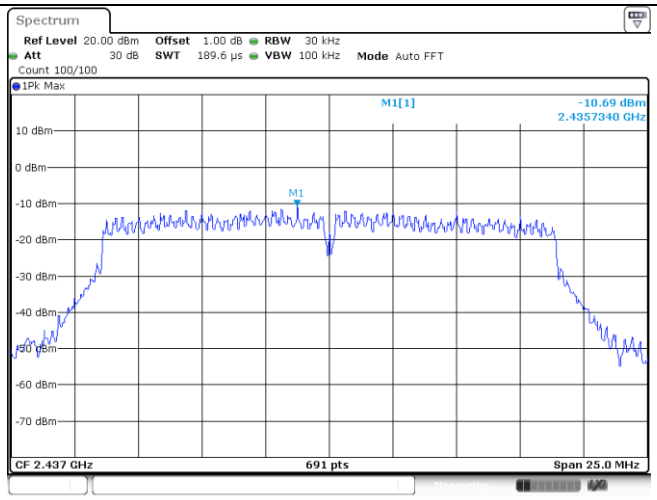
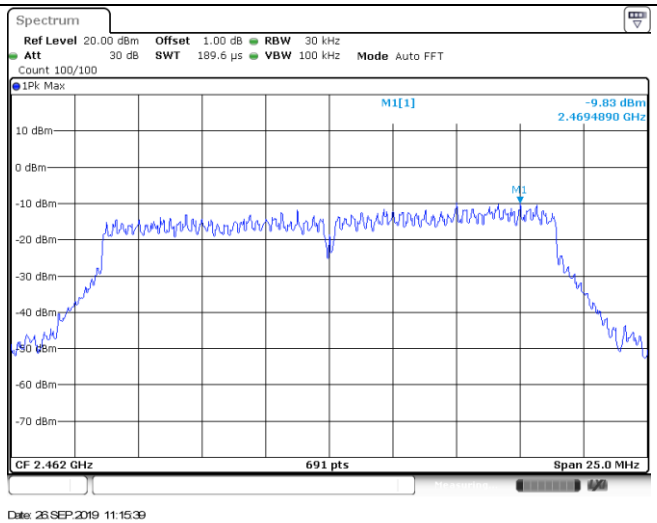
☒ **Passed** ☐ **Not Applicable**

Type	Channel	Power Spectral Density (dBm/30KHz)	Limit (dBm/3KHz)	Result
802.11b	01	3.60	≤8.00	Pass
	06	4.86		
	11	4.38		
802.11g	01	-9.51	≤8.00	Pass
	06	-10.70		
	11	-8.37		
802.11n(HT20)	01	-10.40	≤8.00	Pass
	06	-10.69		
	11	-9.83		

Test plot as follows:

Type:	802.11 b
CH01	
CH06	
CH11	

Type:	802.11 g
CH01	
CH06	
CH11	

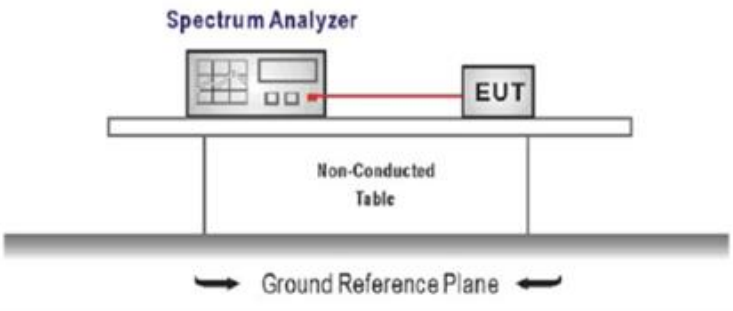
Type:	802.11n(HT20)
CH01	
CH06	
CH11	

5.5. 6dB bandwidth

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(2):
For digital modulation systems, the minimum 6 dB bandwidth shall be at least 500 kHz.

TEST CONFIGURATION



TEST PROCEDURE

1. Connect the antenna port(s) to the spectrum analyzer input.
2. Configure the spectrum analyzer as shown below (enter all losses between the transmitter output and the spectrum analyzer).
   Center Frequency =DTS channel center frequency
   Span=2 x DTS bandwidth
   RBW = 100 kHz, VBW ≥ 3 × RBW
   Sweep time= auto couple
   Detector = Peak
   Trace mode = max hold
3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter wave form on the spectrum analyzer.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission, and record the pertinent measurements.

TEST MODE:

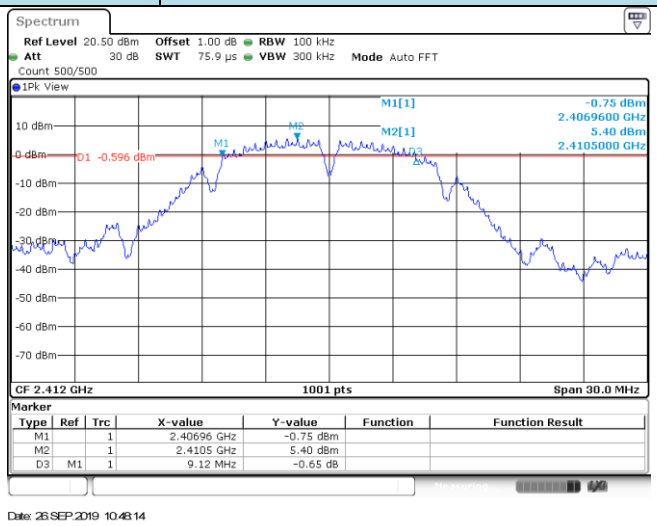
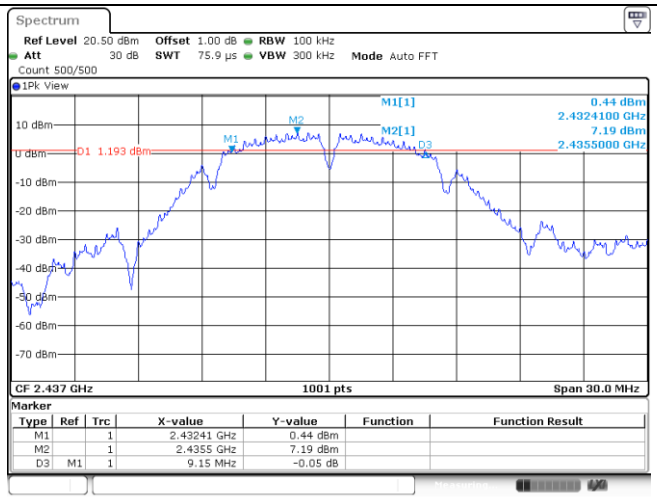
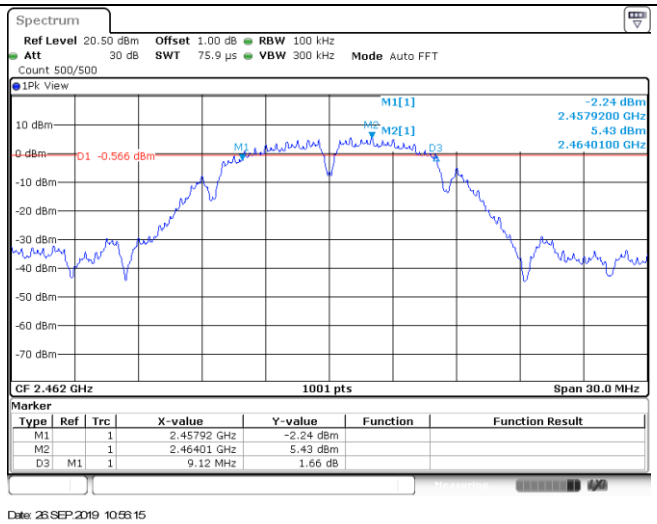
Please refer to the clause 3.3

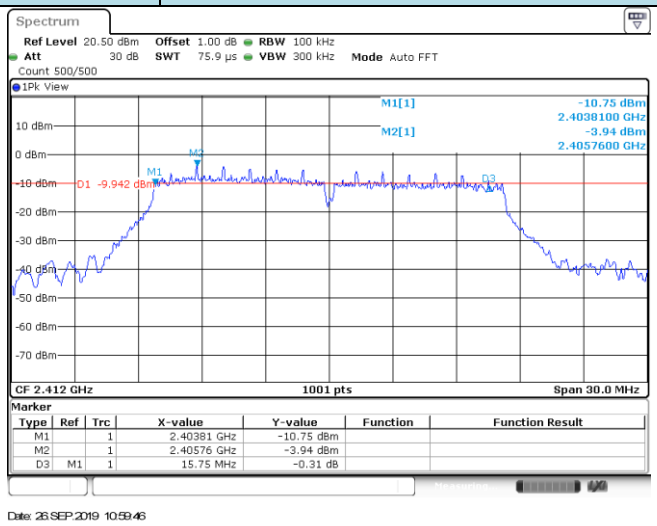
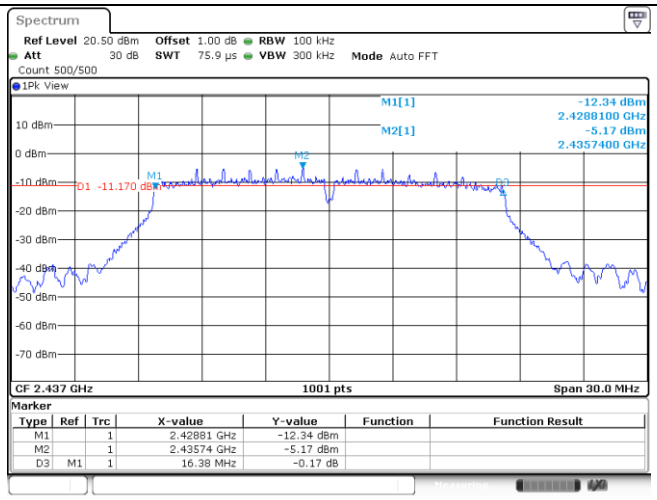
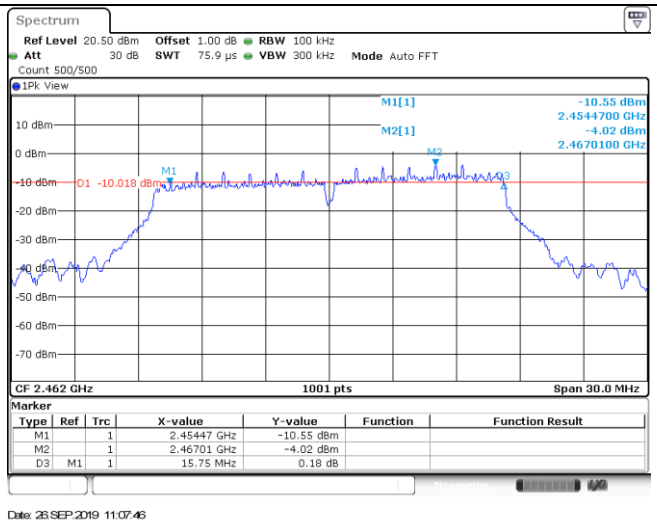
TEST RESULTS

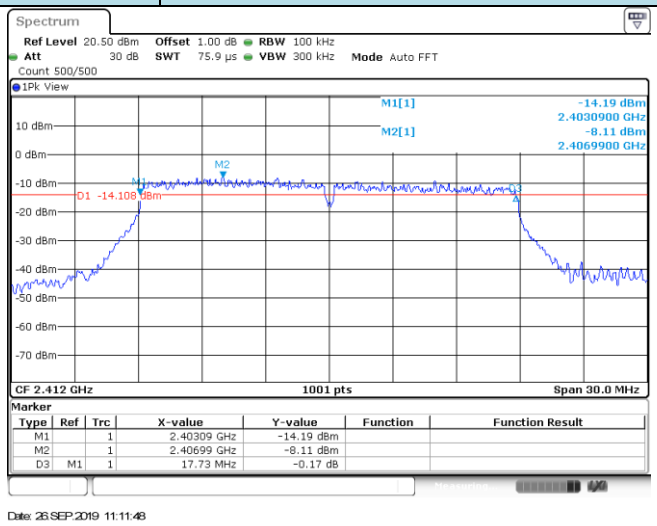
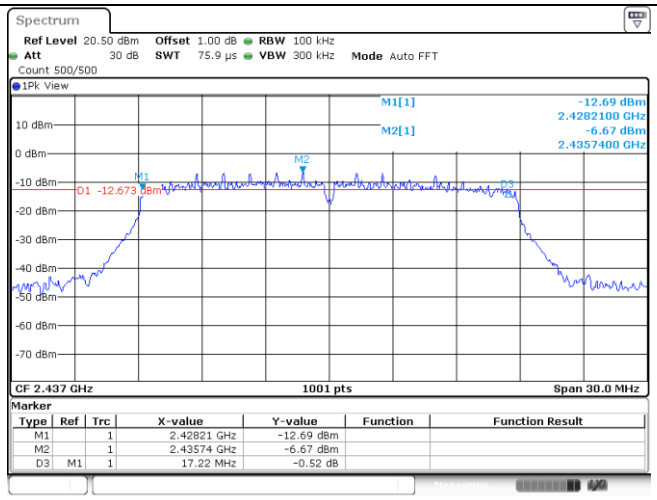
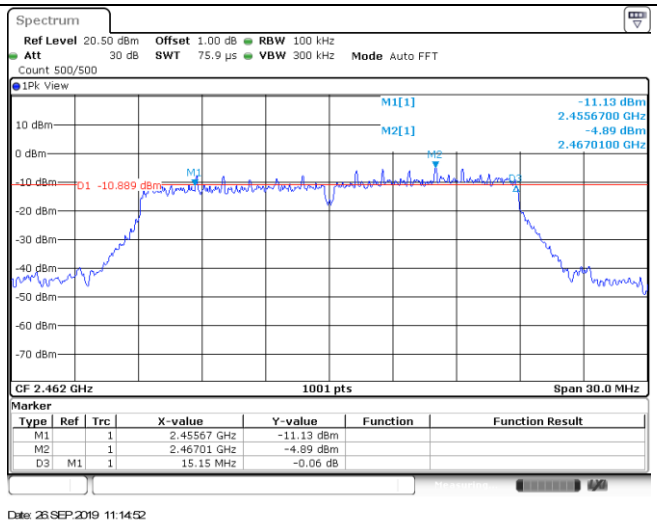
☒ **Passed** ☐ **Not Applicable**

Type	Channel	6dB Bandwidth (MHz)	Limit (kHz)	Result
802.11b	01	9.12	≥500	Pass
	06	9.15		
	11	9.12		
802.11g	01	15.75	≥500	Pass
	06	16.38		
	11	15.75		
802.11n(HT20)	01	17.73	≥500	Pass
	06	17.22		
	11	15.15		

Test plot as follows:

Type:	802.11 b
CH01	
CH06	
CH11	

Type:	802.11 g
CH01	
CH06	
CH11	

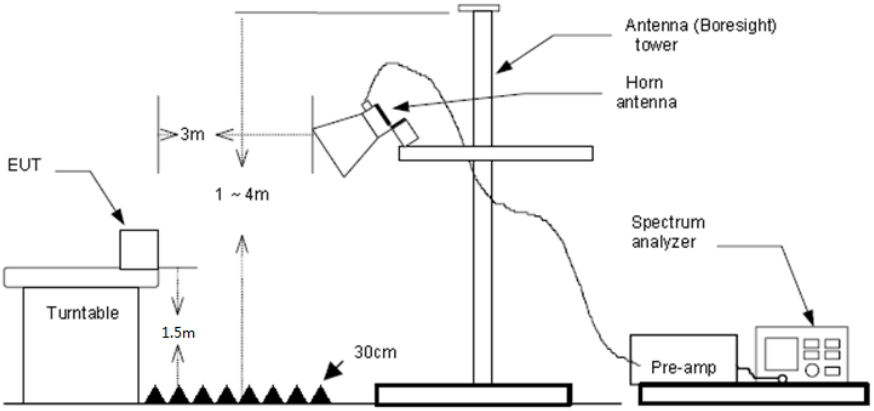
Type:	802.11n(HT20)
CH01	
CH06	
CH11	

5.6. Restricted band

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d):
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, Radiated Emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the Radiated Emissions limits specified in §15.209(a) (see §15.205(c)).

TEST CONFIGURATION



TEST PROCEDURE

1) The EUT was setup and tested according to ANSI C63.10:2013 for compliance to FCC 47CFR 15.247 requirements.
2) The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3) The EUT waspositioned such that the distance from antenna to the EUT was 3 meters.
4) The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. Thisis repeated for both horizontal and vertical polarization of the antenna. In order to find themaximum emission, all of the interface cables were manipulated according to ANSI C63.10:2013 on radiated measurement.
5) The receiver set as follow:
   RBW=1MHz, VBW=3MHz PEAK detector for Peak value.
   RBW=1MHz, VBW=3MHz RMS detector for Average value.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

☒ **Passed** ☐ **Not Applicable**

Note:
1) Final level= Read level + Factor

802.11b				CH01			
Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
2310.000	13.22	35.78	49.00	54.00	5.00	Vertical	AV
2310.000	16.92	35.78	52.70	74.00	21.30	Vertical	PK
2390.000	13.08	35.50	48.58	54.00	5.42	Vertical	AV
2390.000	17.16	35.50	52.66	74.00	21.34	Vertical	PK
Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
2310.000	12.32	35.78	48.10	54.00	5.90	Horizontal	AV
2310.000	16.44	35.78	52.22	74.00	21.78	Horizontal	PK
2390.000	13.07	35.50	48.57	54.00	5.43	Horizontal	AV
2390.000	17.44	35.50	52.94	74.00	21.06	Horizontal	PK

802.11b				CH11			
Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
2483.500	16.95	35.31	52.26	74.00	21.74	Vertical	PK
2483.500	15.13	35.31	50.44	54.00	3.56	Vertical	AV
2500.000	16.82	35.28	52.10	74.00	21.90	Vertical	PK
2500.000	16.03	35.28	51.31	54.00	2.69	Vertical	AV
Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
2483.500	17.86	35.31	53.17	74.00	20.83	Horizontal	PK
2483.500	15.29	35.31	50.60	54.00	3.40	Horizontal	AV
2500.000	16.60	35.28	51.88	74.00	22.12	Horizontal	PK
2500.000	15.32	35.28	50.60	54.00	3.40	Horizontal	AV

802.11g				CH01			
Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
2310.000	16.87	35.78	52.65	74.00	21.35	Horizontal	PK
2310.000	12.87	35.78	48.65	54.00	5.35	Horizontal	AV
2390.000	16.66	35.50	52.16	74.00	21.84	Horizontal	PK
2390.000	11.87	35.50	47.37	54.00	6.63	Horizontal	AV
Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
2310.000	16.65	35.78	52.43	74.00	21.57	Vertical	PK
2310.000	13.60	35.78	49.38	54.00	4.62	Vertical	AV
2390.000	16.45	35.50	51.95	74.00	22.05	Vertical	PK
2390.000	13.97	35.50	49.47	54.00	4.53	Vertical	AV

802.11g				CH11			
Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
2483.500	13.62	35.31	48.93	54.00	5.07	Horizontal	AV
2483.500	17.69	35.31	53.00	74.00	21.00	Horizontal	PK
2500.000	15.42	35.28	50.70	54.00	3.30	Horizontal	AV
2500.000	16.88	35.28	52.16	74.00	21.84	Horizontal	PK
Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
2483.500	16.77	35.31	52.08	74.00	21.92	Vertical	PK
2483.500	14.19	35.31	49.50	54.00	4.50	Vertical	AV
2500.000	16.39	35.28	51.67	74.00	22.33	Vertical	PK
2500.000	15.26	35.28	50.54	54.00	3.46	Vertical	AV

802.11n(HT20)	CH01

Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
2310.000	16.10	35.78	51.88	74.00	22.12	Vertical	PK
2310.000	13.62	35.78	49.40	54.00	4.60	Vertical	AV
2390.000	16.08	35.50	51.58	74.00	22.42	Vertical	PK
2390.000	11.75	35.50	47.25	54.00	6.75	Vertical	AV

Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
2310.000	17.30	35.78	53.08	74.00	20.92	Horizontal	PK
2310.000	13.97	35.78	49.75	54.00	4.25	Horizontal	AV
2390.000	16.97	35.50	52.47	74.00	21.53	Horizontal	PK
2390.000	13.60	35.50	49.10	54.00	4.90	Horizontal	AV

802.11n(HT20)	CH11

Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
2483.500	16.87	35.31	52.18	74.00	21.82	Vertical	PK
2483.500	15.17	35.31	50.48	54.00	3.52	Vertical	AV
2500.000	17.23	35.28	52.51	74.00	21.49	Vertical	PK
2500.000	15.86	35.28	51.14	54.00	2.86	Vertical	AV

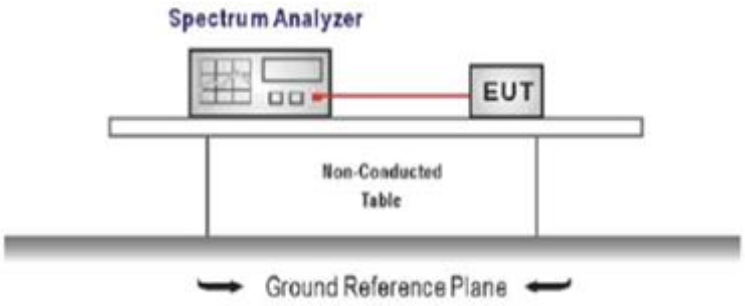
Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
2483.500	16.84	35.31	52.15	74.00	21.85	Horizontal	PK
2483.500	15.16	35.31	50.47	54.00	3.53	Horizontal	AV
2500.000	16.92	35.28	52.20	74.00	21.80	Horizontal	PK
2500.000	15.63	35.28	50.91	54.00	3.09	Horizontal	AV

5.7. Band edge and Spurious Emissions (conducted)

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section15.247 (d):
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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.

TEST CONFIGURATION



TEST PROCEDURE

1. Connect the antenna port(s) to the spectrum analyzer input.
2. Establish a reference level by using the following procedure
   Center frequency=DTS channel center frequency
   The span = 1.5 times the DTS bandwidth.
   RBW = 100 kHz, VBW ≥ 3 x RBW
   Detector = peak, Sweep time = auto couple, Trace mode = max hold
   Allow trace to fully stabilize
   Use the peak marker function to determine the maximum PSD level

   Note: the channel found to contain the maximum PSD level can be used to establish the reference level.
3. Emission level measurement
   Set the center frequency and span to encompass frequency range to be measured
   RBW = 100 kHz, VBW ≥ 3 x RBW
   Detector = peak, Sweep time = auto couple, Trace mode = max hold
   Allow trace to fully stabilize
   Use the peak marker function to determine the maximum amplitude level.
4. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.
5. Ensure that the amplitude of all unwanted emission outside of the authorized frequency band excluding restricted frequency bands) are attenuated by at least the minimum requirements specified (at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz). Report the three highest emission relative to the limit.

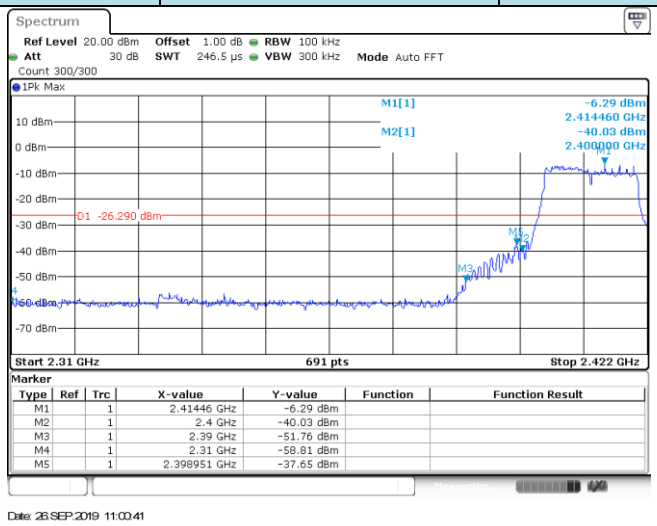
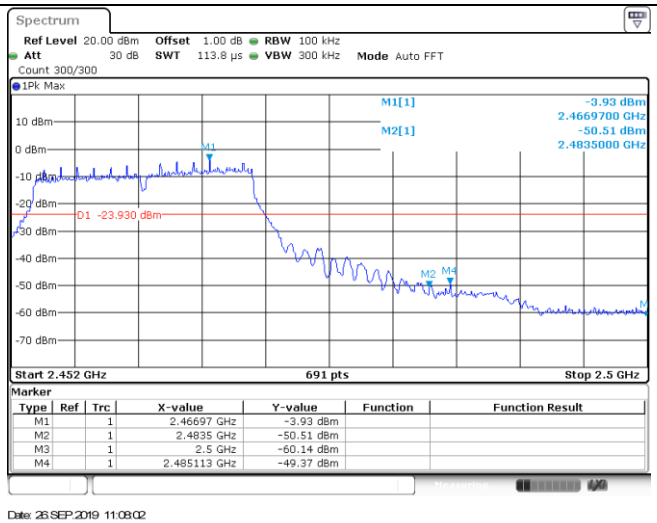
TEST MODE:

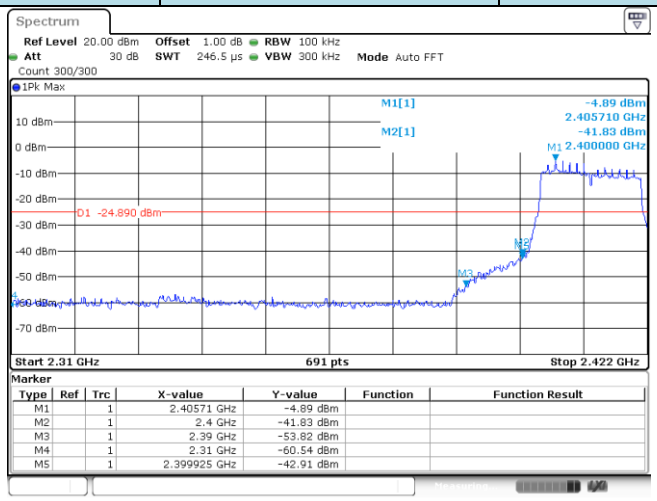
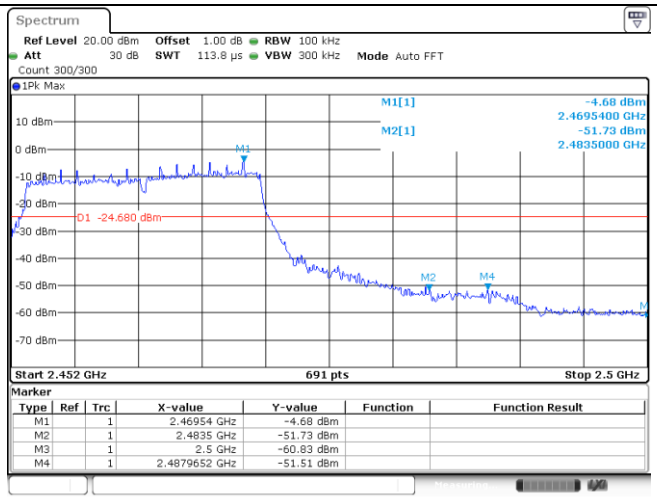
Please refer to the clause 3.3

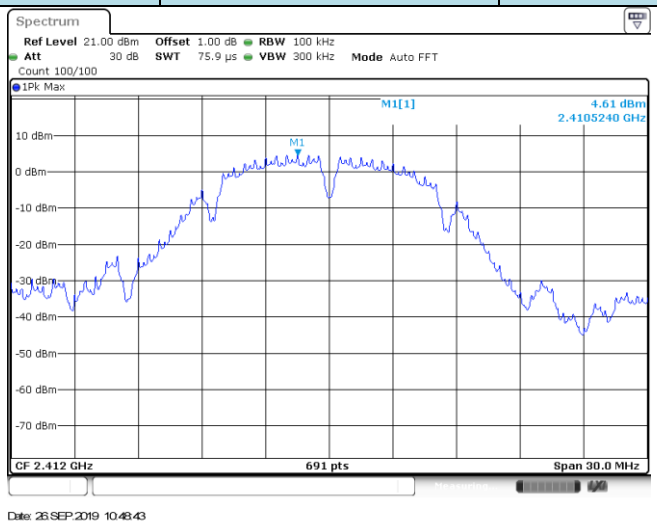
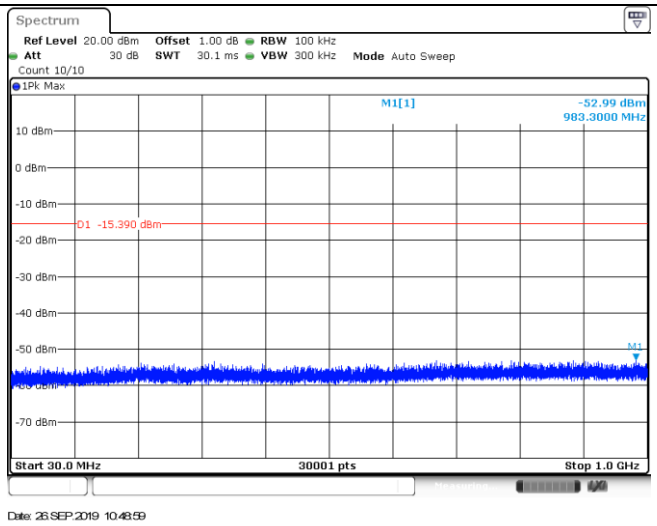
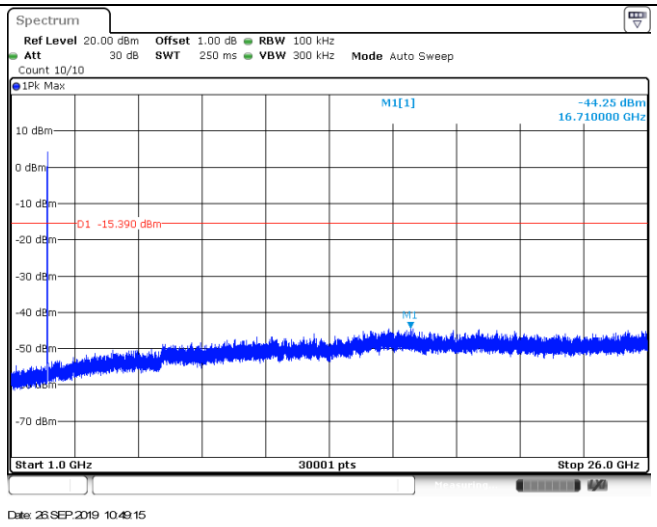
TEST RESULTS

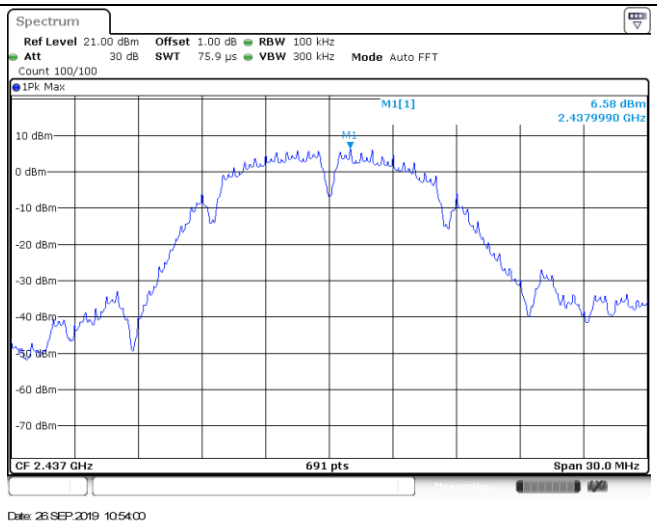
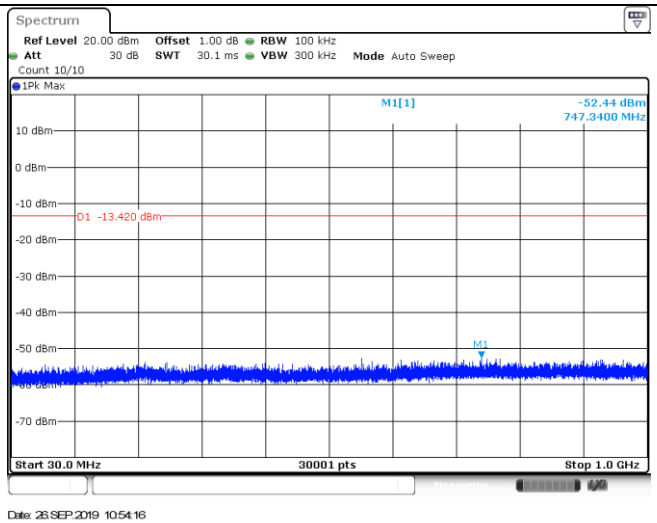
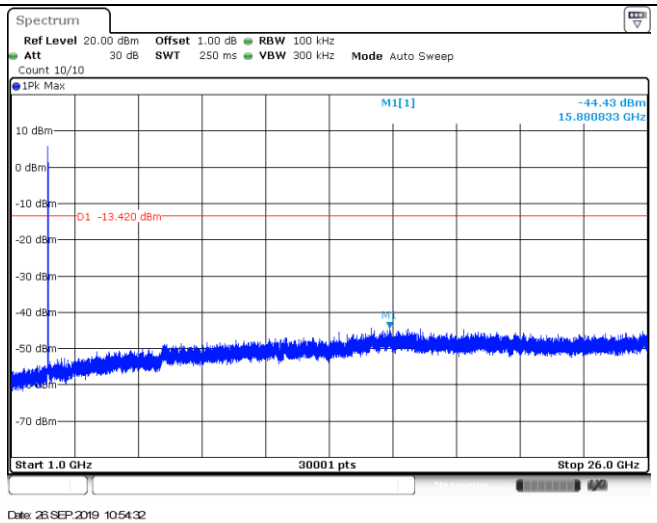
☒ **Passed** ☐ **Not Applicable**

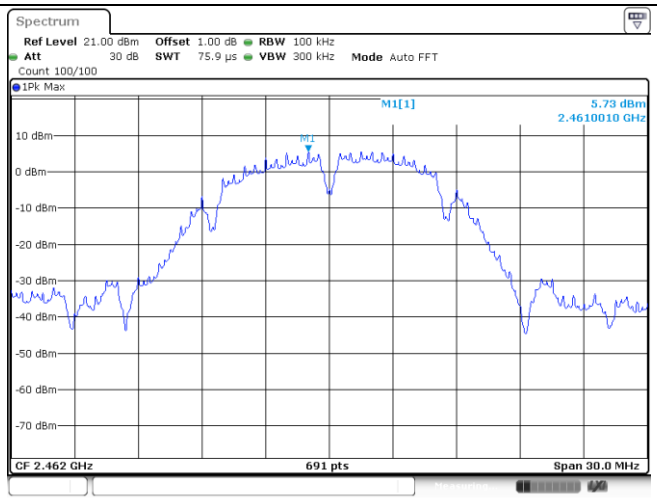
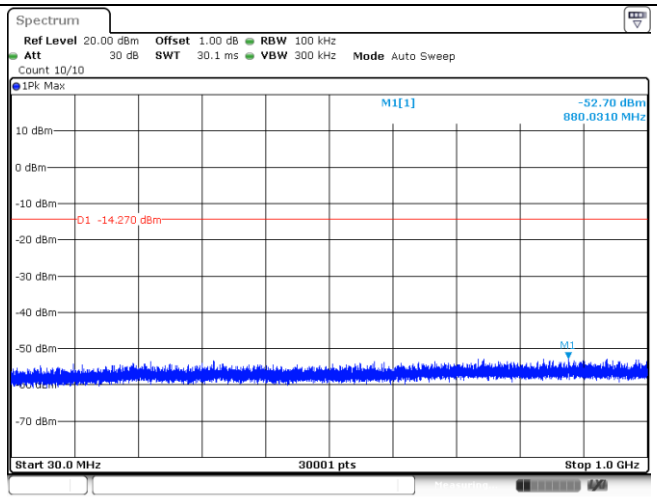
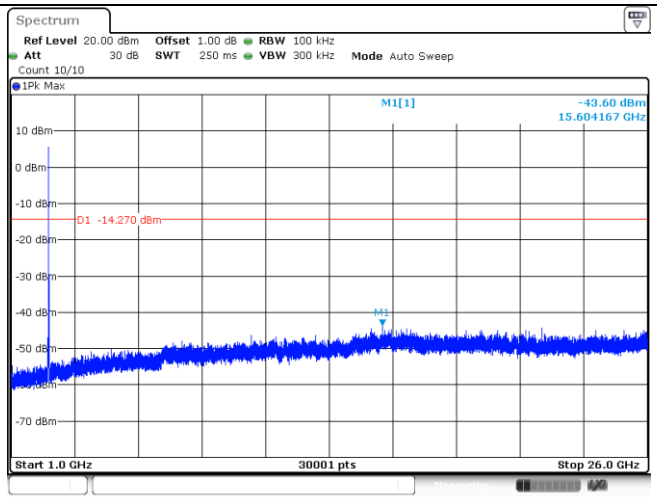
Test Item:	Bandedge	Type:	802.11 b
CH01	
CH11	

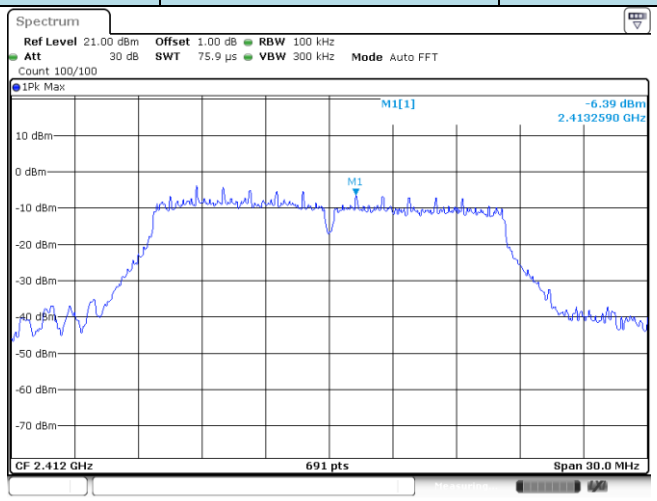
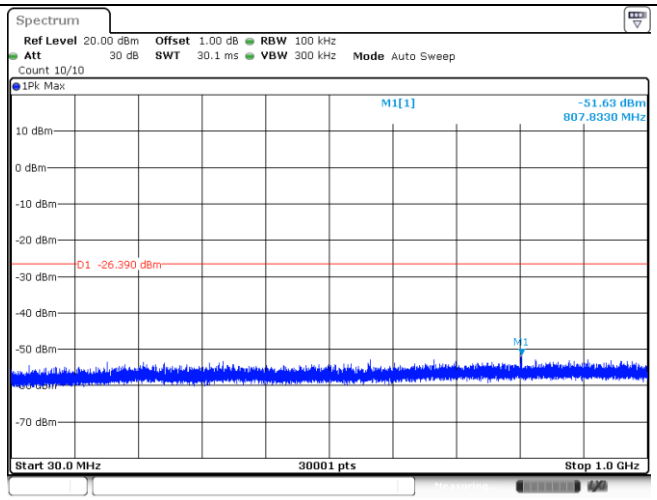
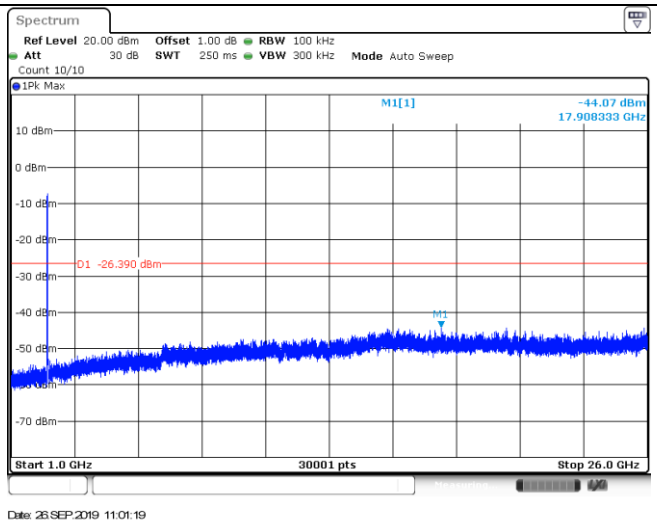
Test Item:	Bandedge	Type:	802.11 g
CH01			
CH11			

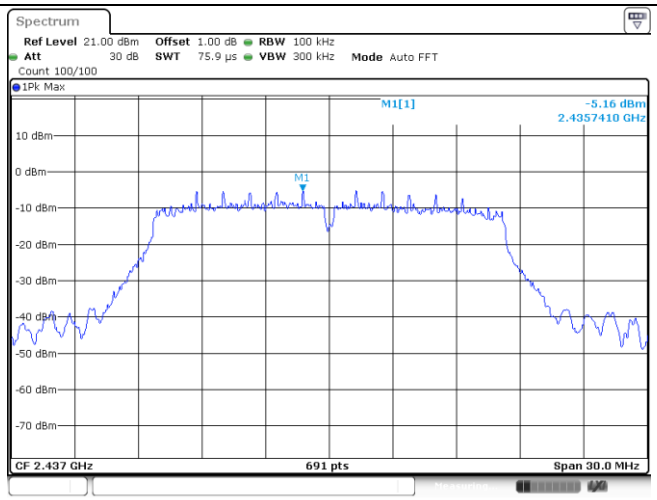
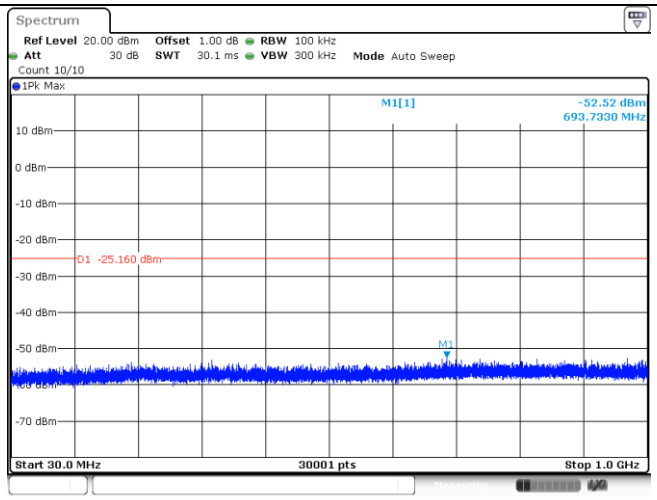
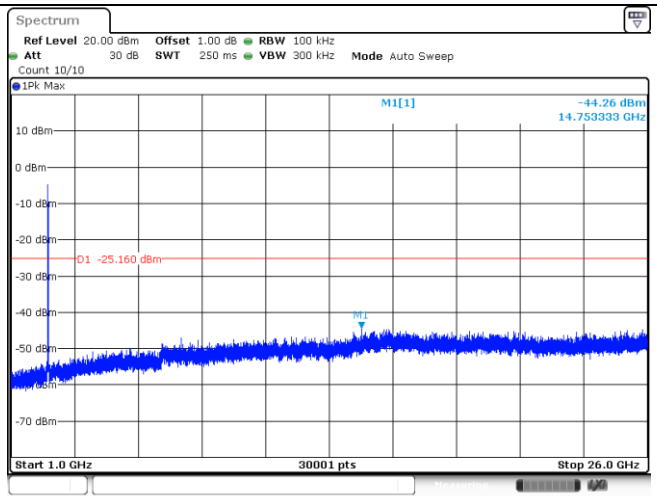
Test Item:	Bandedge	Type:	802.11 n(HT20)
CH01			
CH11			

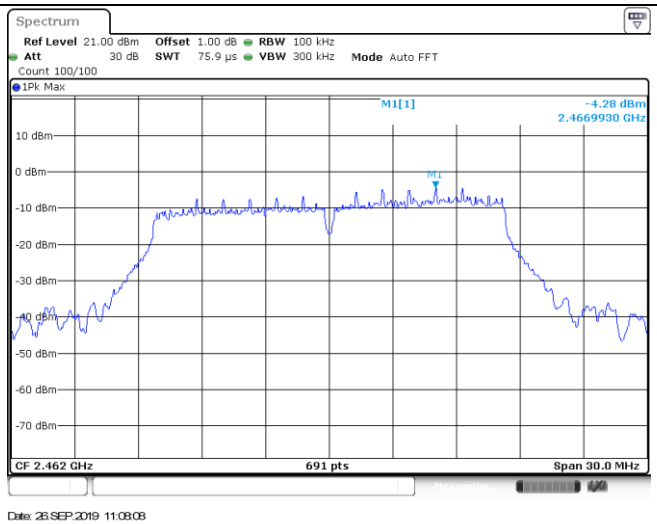
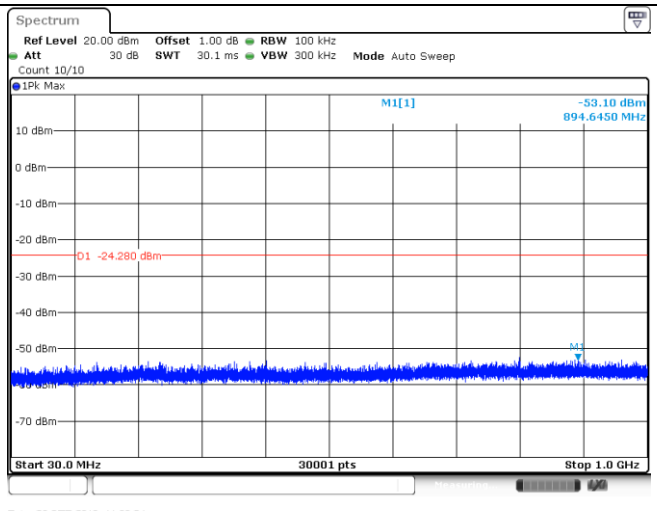
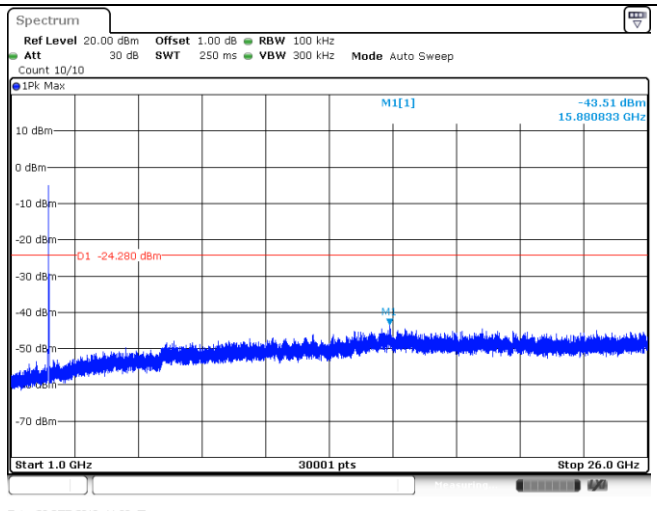
Test Item:	SE	Type:	802.11 b
CH01 Reference level			
CH01 30MHz~1000MHz			
CH01 1GHz~26GHz			

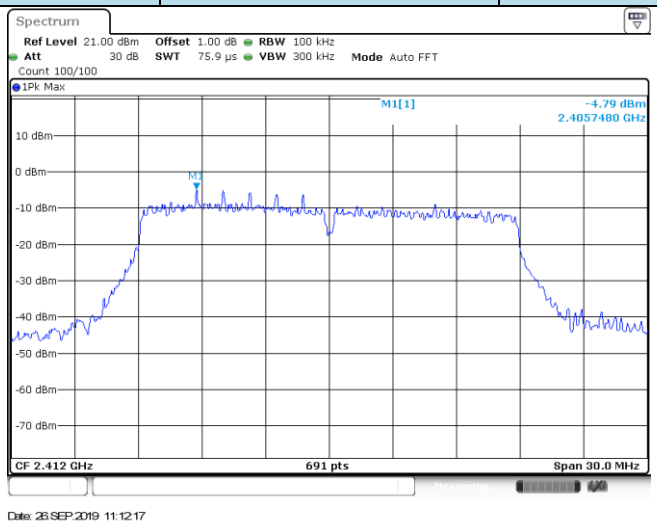
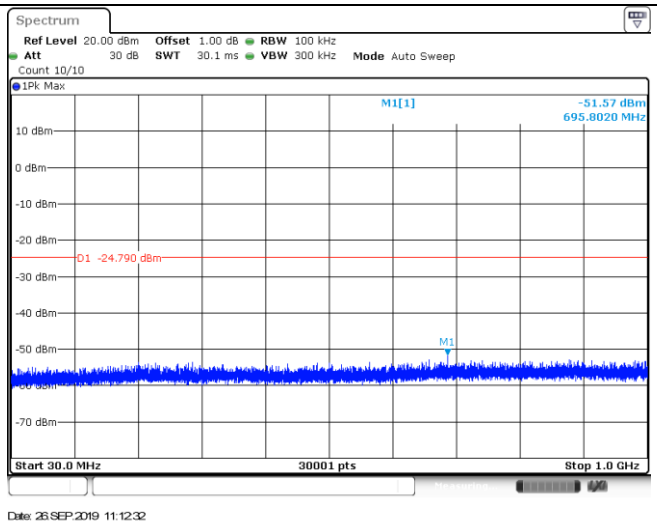
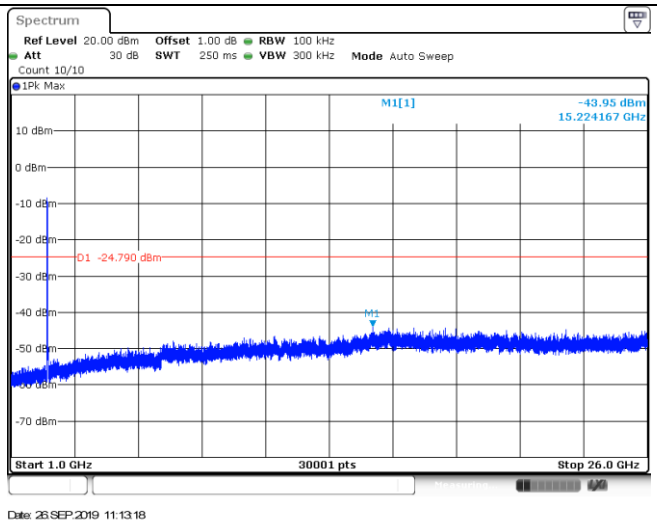
CH06 Reference level	
CH06 30MHz~1000MHz	
CH06 1GHz~26GHz	

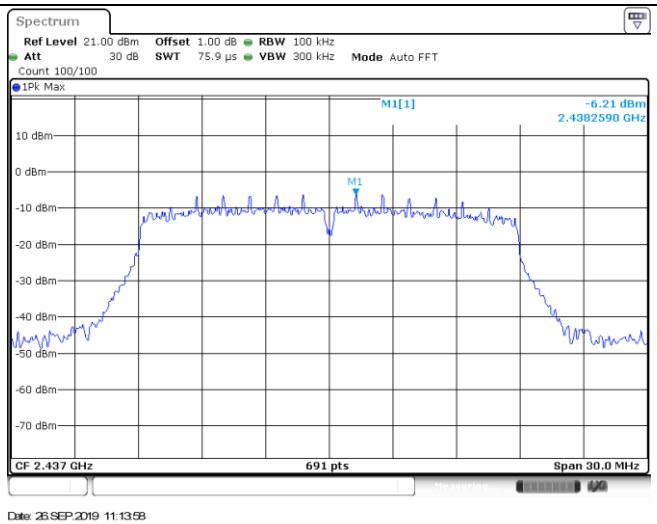
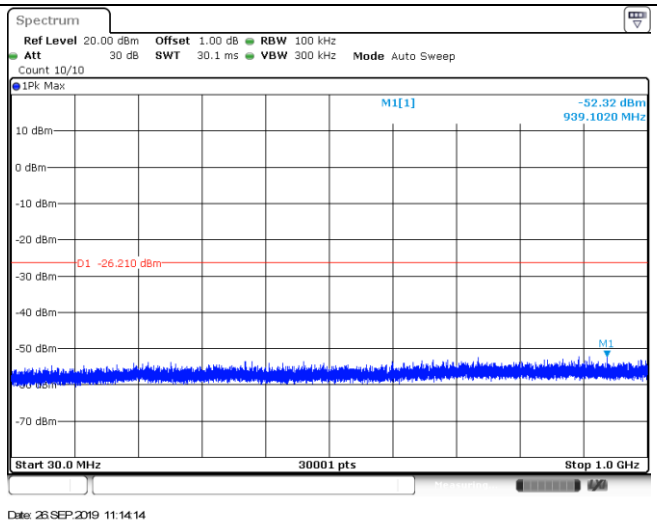
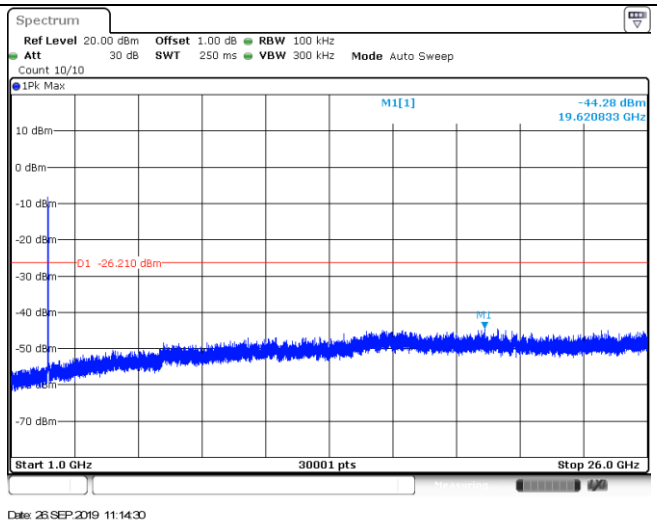
CH11 Reference level	
CH11 30MHz~1000MHz	
CH11 1GHz~26GHz	

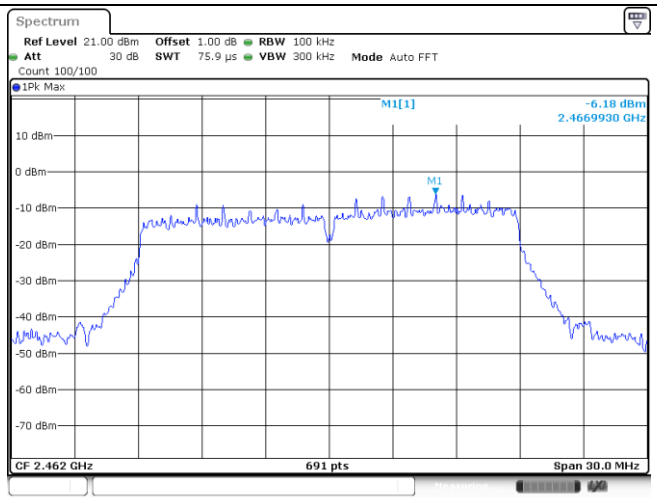
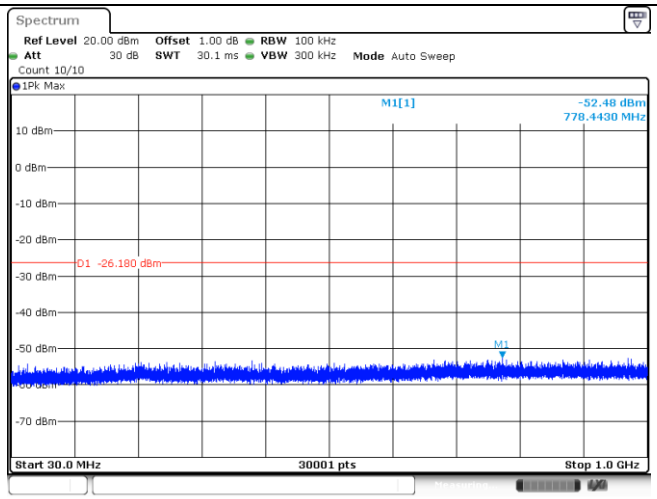
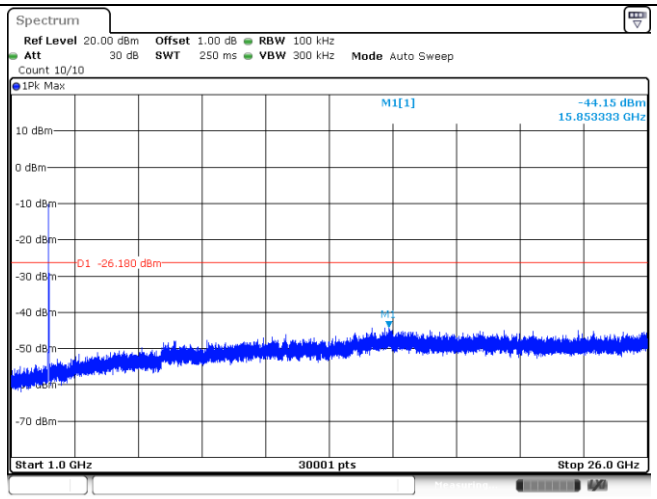
Test Item:	SE	Type:	802.11 g
CH01 Reference level			
CH01 30MHz~1000MHz			
CH01 1GHz~26GHz			

CH06 Reference level	
CH06 30MHz~1000MHz	
CH06 1GHz~26GHz	

CH11 Reference level	
CH11 30MHz~1000MHz	
CH11 1GHz~26GHz	

Test Item:	SE	Type:	802.11 n(HT20)
CH01 Reference level	
CH01 30MHz~1000MHz	
CH01 1GHz~26GHz	

CH06 Reference level	
CH06 30MHz~1000MHz	
CH06 1GHz~26GHz	

CH11 Reference level	
CH11 30MHz~1000MHz	
CH11 1GHz~26GHz	

5.8. Spurious Emissions (radiated)

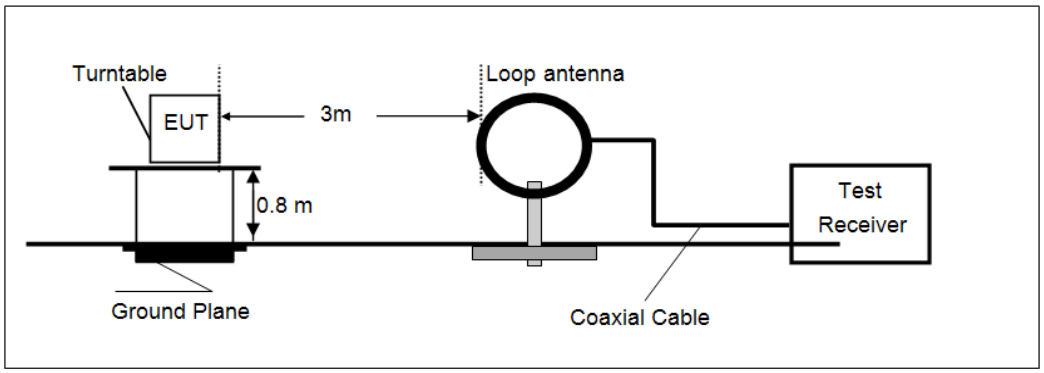
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.209

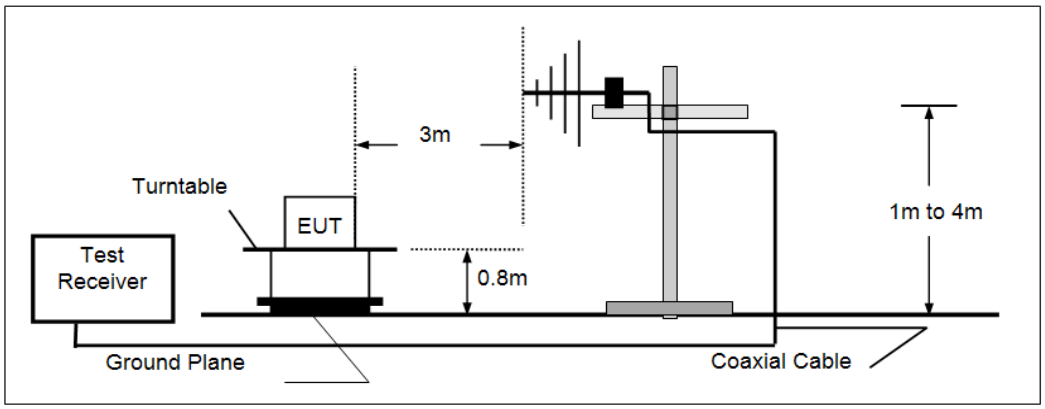
Frequency	Limit (dBuV/m @3m)	Value
30MHz-88MHz	40.00	Quasi-peak
88MHz-216MHz	43.50	Quasi-peak
216MHz-960MHz	46.00	Quasi-peak
960MHz-1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
	74.00	Peak

TEST CONFIGURATION

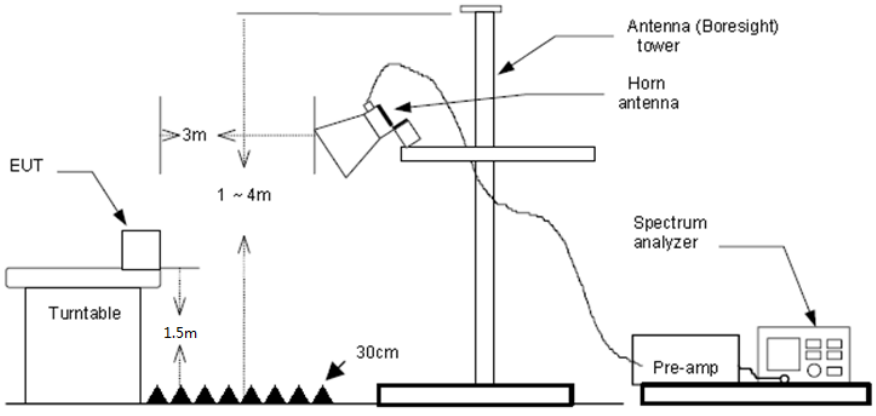
➢ 9kHz ~30MHz



➢ 30MHz ~ 1GHz



➢ Above 1GHz



TEST PROCEDURE

1. The EUT was setup and tested according to ANSI C63.10:2013 for compliance to FCC 47CFR 15.247 requirements.
2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. Use the following spectrum analyzer settings
   (1) Span shall wide enough to fully capture the emission being measured;
   (2) Below 1 GHz:
   RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold;
   If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
   (3) From 1 GHz to 10^{th} harmonic:
   RBW=1MHz, VBW=3MHz Peak detector for Peak value.
   RBW=1MHz, VBW=3MHz RMS detector for Average value.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

☒ **Passed** ☐ **Not Applicable**

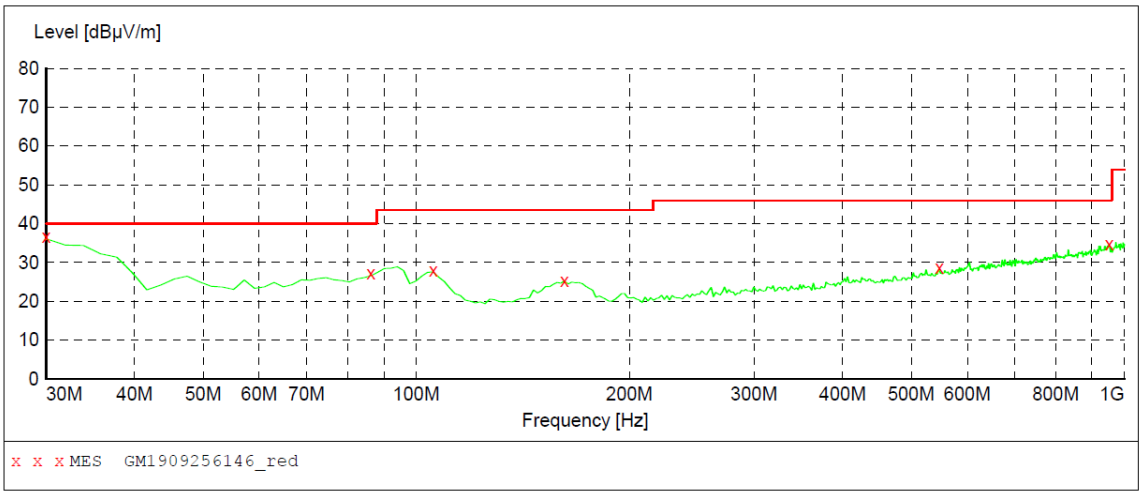
Note:
1) Final Level =Receiver Read level + Factor
2) The emission levels of other frequencies are very lower than the limit and not show in test report.

- **9kHz ~ 30MHz**
  The EUT was pre-scanned the frequency band (9kHz~30MHz), found the radiated level lower than the limit, so don't show on the report.

- **30MHz ~1000MHz**
  Have pre-scan all modulation mode, found the 802.11b mode CH01 which it was worst case, so only the worst case's data on the test report.

➢ **30MHz ~ 1GHz**

Polarization:	Vertical

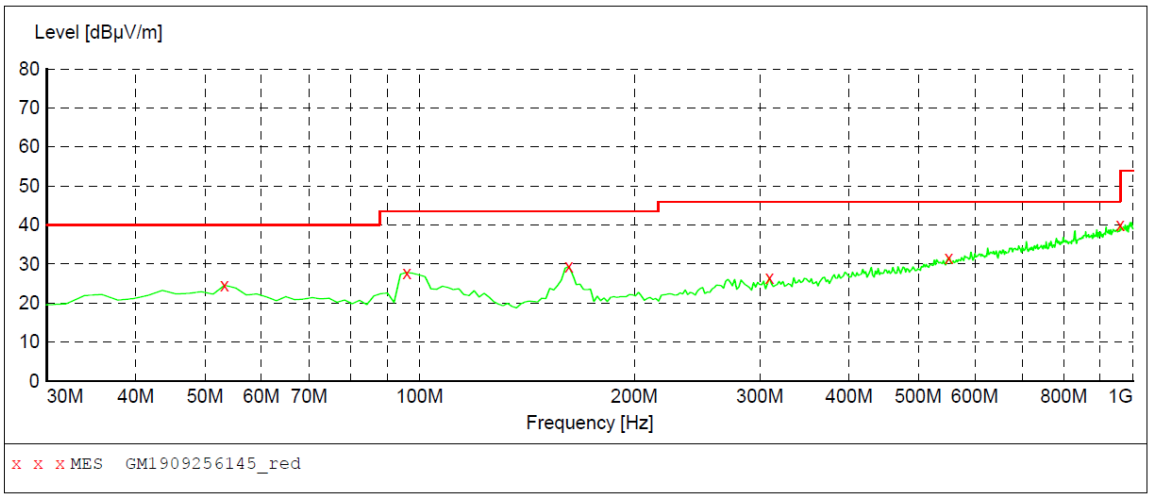


MEASUREMENT RESULT: "GM1909256146_red"

9/26/2019 2:25AM

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
30.000000	36.30	-8.8	40.0	3.7	QP	100.0	333.00	VERTICAL
86.260000	26.10	-9.4	40.0	13.9	QP	100.0	135.00	VERTICAL
105.660000	26.40	-6.3	43.5	17.1	QP	100.0	333.00	VERTICAL
161.920000	25.30	-8.6	43.5	18.2	QP	100.0	51.00	VERTICAL
547.980000	28.30	4.1	46.0	17.7	QP	100.0	51.00	VERTICAL
951.500000	34.70	12.2	46.0	11.3	QP	100.0	333.00	VERTICAL

Polarization:	Horizontal



MEASUREMENT RESULT: "GM1909256145_red"

9/26/2019 2:22AM

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
53.280000	24.60	-4.6	40.0	15.4	QP	300.0	224.00	HORIZONTAL
95.960000	27.80	-6.6	43.5	15.7	QP	300.0	36.00	HORIZONTAL
161.920000	29.40	-8.6	43.5	14.1	QP	100.0	270.00	HORIZONTAL
309.360000	26.50	-2.3	46.0	19.5	QP	100.0	177.00	HORIZONTAL
551.860000	31.70	4.2	46.0	14.3	QP	300.0	129.00	HORIZONTAL
959.260000	40.10	12.4	46.0	5.9	QP	100.0	29.00	HORIZONTAL

➢ **1 GHz ~ 25 GHz**

802.11b	CH01

Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1774.031	34.97	-5.88	29.09	74.00	44.91	Horizontal	PK
3178.156	35.87	0.73	36.60	74.00	37.40	Horizontal	PK
4050.593	32.71	3.14	35.85	74.00	38.15	Horizontal	PK
6664.968	30.80	13.36	44.16	74.00	29.84	Horizontal	PK

Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1616.875	34.93	-6.25	28.68	74.00	45.32	Vertical	PK
4861.343	31.35	7.13	38.48	74.00	35.52	Vertical	PK
5833.656	30.76	9.69	40.45	74.00	33.55	Vertical	PK
7954.531	31.22	16.24	47.46	74.00	26.54	Vertical	PK

802.11b	CH06

Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1666.812	35.14	-6.16	28.98	74.00	45.02	Vertical	PK
3739.218	33.14	1.75	34.89	74.00	39.11	Vertical	PK
4707.125	32.03	6.43	38.46	74.00	35.54	Vertical	PK
7352.343	29.67	15.22	44.89	74.00	29.11	Vertical	PK

Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1665.343	33.99	-6.16	27.83	74.00	46.17	Horizontal	PK
3592.343	32.73	1.42	34.15	74.00	39.85	Horizontal	PK
4404.562	31.86	4.94	36.80	74.00	37.20	Horizontal	PK
5628.031	30.91	8.83	39.74	74.00	34.26	Horizontal	PK

802.11b	CH11

Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1541.968	34.60	-5.90	28.70	74.00	45.30	Horizontal	PK
3718.656	33.86	1.66	35.52	74.00	38.48	Horizontal	PK
6237.562	30.89	10.93	41.82	74.00	32.18	Horizontal	PK
7901.656	30.11	16.31	46.42	74.00	27.58	Horizontal	PK

Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1647.718	34.48	-6.19	28.29	74.00	45.71	Vertical	PK
4215.093	32.78	3.81	36.59	74.00	37.41	Vertical	PK
6108.312	29.83	10.73	40.56	74.00	33.44	Vertical	PK
7606.437	29.77	15.84	45.61	74.00	28.39	Vertical	PK

Remark:

1. Final Level =Receiver Read level + Factor
2. The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies(test frequency band is 1GHz to 25GHz) are very lower than the limit and not show in test report.

802.11g	CH01

Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1415.656	33.52	-5.59	27.93	74.00	46.07	Vertical	PK
4050.593	32.44	3.14	35.58	74.00	38.42	Vertical	PK
5081.656	30.85	8.63	39.48	74.00	34.52	Vertical	PK
8039.718	30.31	16.25	46.56	74.00	27.44	Vertical	PK

Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1628.625	34.12	-6.23	27.89	74.00	46.11	Horizontal	PK
4317.906	31.21	3.98	35.19	74.00	38.81	Horizontal	PK
6504.875	28.50	12.55	41.05	74.00	32.95	Horizontal	PK
9285.218	29.99	17.74	47.73	74.00	26.27	Horizontal	PK

802.11g	CH06

Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1378.937	33.72	-5.58	28.14	74.00	45.86	Horizontal	PK
3560.031	33.05	1.29	34.34	74.00	39.66	Horizontal	PK
4765.875	31.51	6.82	38.33	74.00	35.67	Horizontal	PK
6259.593	30.47	10.95	41.42	74.00	32.58	Horizontal	PK

Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1249.687	35.13	-5.70	29.43	74.00	44.57	Vertical	PK
4742.375	31.04	6.66	37.70	74.00	36.30	Vertical	PK
6863.250	30.27	13.77	44.04	74.00	29.96	Vertical	PK
8938.593	30.94	16.18	47.12	74.00	26.88	Vertical	PK

802.11g	CH11

Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1677.093	34.33	-6.14	28.19	74.00	45.81	Vertical	PK
4128.437	31.58	3.41	34.99	74.00	39.01	Vertical	PK
7406.687	29.52	15.37	44.89	74.00	29.11	Vertical	PK
7994.187	30.71	16.20	46.91	74.00	27.09	Vertical	PK

Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1414.187	33.85	-5.59	28.26	74.00	45.74	Horizontal	PK
4776.156	30.50	6.89	37.39	74.00	36.61	Horizontal	PK
6095.093	30.54	10.71	41.25	74.00	32.75	Horizontal	PK
9881.531	31.43	17.26	48.69	74.00	25.31	Horizontal	PK

Remark:

1. Final Level =Receiver Read level + Factor
2. The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies(test frequency band is 1GHz to 25GHz) are very lower than the limit and not show in test report.

802.11n(HT20)				CH01			
Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1549.312	33.87	-5.95	27.92	74.00	46.08	Horizontal	PK
3745.093	34.43	1.77	36.20	74.00	37.80	Horizontal	PK
5736.718	30.70	9.09	39.79	74.00	34.21	Horizontal	PK
7916.343	30.39	16.29	46.68	74.00	27.32	Horizontal	PK
Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1552.250	34.93	-5.97	28.96	74.00	45.04	Vertical	PK
5122.781	30.53	8.84	39.37	74.00	34.63	Vertical	PK
8077.906	30.25	16.31	46.56	74.00	27.44	Vertical	PK
10720.18	30.62	17.67	48.29	74.00	25.71	Vertical	PK

802.11n(HT20)				CH06			
Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1782.843	34.66	-5.85	28.81	74.00	45.19	Vertical	PK
5143.343	30.54	8.88	39.42	74.00	34.58	Vertical	PK
6982.218	30.17	14.16	44.33	74.00	29.67	Vertical	PK
9116.312	30.66	16.67	47.33	74.00	26.67	Vertical	PK
Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1402.437	33.02	-5.58	27.44	74.00	46.56	Horizontal	PK
4779.093	31.62	6.91	38.53	74.00	35.47	Horizontal	PK
6080.406	30.17	10.67	40.84	74.00	33.16	Horizontal	PK
6716.375	29.92	13.43	43.35	74.00	30.65	Horizontal	PK

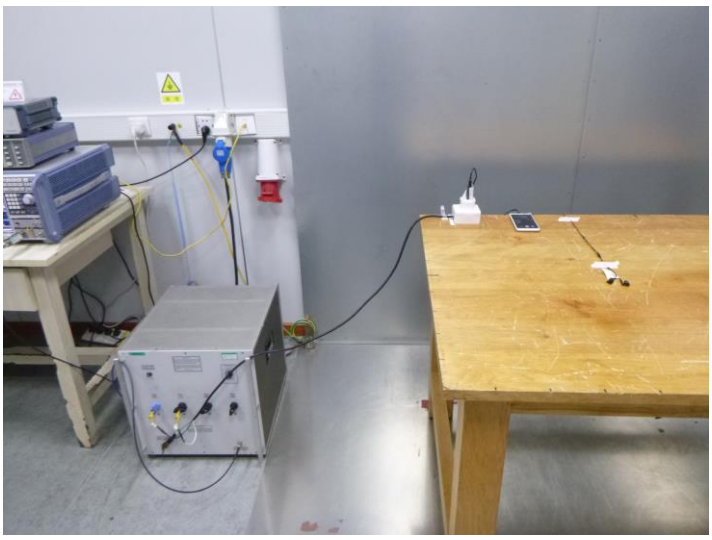
802.11n(HT20)				CH11			
Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1672.687	35.30	-6.15	29.15	74.00	44.85	Horizontal	PK
4723.281	30.93	6.54	37.47	74.00	36.53	Horizontal	PK
6811.843	30.20	13.31	43.51	74.00	30.49	Horizontal	PK
7995.656	29.95	16.20	46.15	74.00	27.85	Horizontal	PK
Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1672.687	34.12	-6.15	27.97	74.00	46.03	Vertical	PK
4132.843	32.95	3.44	36.39	74.00	37.61	Vertical	PK
4968.562	30.49	7.64	38.13	74.00	35.87	Vertical	PK
8023.562	30.74	16.23	46.97	74.00	27.03	Vertical	PK

Remark:

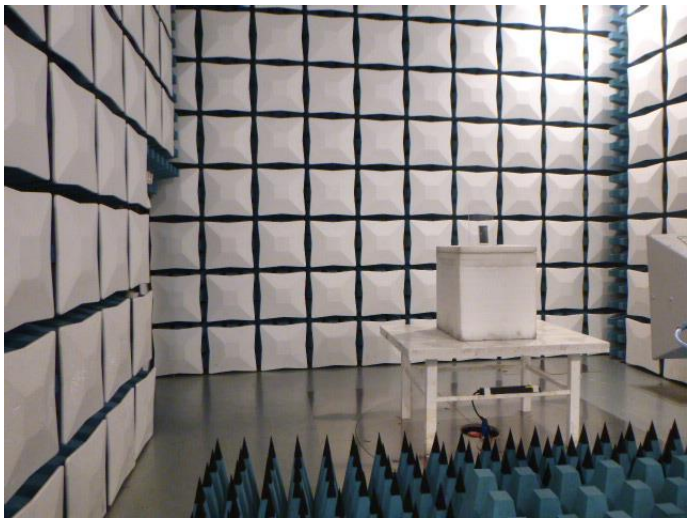
1. Final Level =Receiver Read level + Factor
2. The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies(test frequency band is 1GHz to 25GHz) are very lower than the limit and not show in test report.

6. TEST SETUP PHOTOS

Conducted Emissions (AC Mains)



Radiated Emissions



7. EXTERANAL AND INTERNAL PHOTOS

Reference to the test report No. CHTEW19100042

--------End of Report--------