



TEST REPORT

Report Reference No.....	TRE1612016402	R/C.....: 27074
FCC ID.....	ZSW-30-041	
Applicant's name.....	b mobile HK Limited	
Address.....	Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak Street; Kwai Chung; New Territories; Hong Kong.	
Manufacturer.....	b mobile HK Limited	
Address.....	Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak Street; Kwai Chung; New Territories; Hong Kong.	
Test item description	Mobile Phone	
Trade Mark	Bmobile	
Model/Type reference.....	AX680+	
Listed Model(s)	-	
Standard	FCC CFR Title 47 Part 15 Subpart C Section 15.247	
Date of receipt of test sample.....	Dec. 27, 2016	
Date of testing.....	Dec. 27, 2016 - Dec. 30, 2016	
Date of issue.....	Jan. 03, 2017	
Result.....	PASS	

Compiled by (position+printedname+signature)....:	File administrators Becky Liang	
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Approved by (position+printedname+signature)....:	RF Manager 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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1. **Test standards and Report version**

1.1. **Applicable 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

[KDB 558074 D01 DTS Meas Guidance v03r05](#): Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating under § 15.247

1.2. **Report version**

Version No.	Date of issue	Description
00	Jan. 03, 2017	Original

2. Test Description

Test Item	Section in CFR 47	Result
Antenna requirement	15.203/15.247 (c)	Pass
Line Conducted Emission (AC Main)	15.207	Pass
Conducted Peak Output Power	15.247 (b)(3)	Pass
Power Spectral Density	15.247 (e)	Pass
6dB Bandwidth	15.247 (a)(2)	Pass
Restricted band	15.247(d)/15.205	Pass
Spurious Emission	15.247(d)/15.209	Pass

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

3. Summary

3.1. Client Information

Applicant:	b mobile HK Limited
Address:	Flat 18; 14/F Block 1; Golden Industrial Building; 16-26 Kwai Tak Street; Kwai Chung; New Territories; Hong Kong.
Manufacturer:	b mobile HK Limited
Address:	Flat 18; 14/F Block 1; Golden Industrial Building; 16-26 Kwai Tak Street; Kwai Chung; New Territories; Hong Kong.

3.2. Product Description

Name of EUT	Mobile Phone		
Trade Mark:	Bmobile		
Model No.:	AX680+		
Listed Model(s):	-		
Power supply:	DC 3.7V From internal battery		
Adapter information :	Input: 100-240V a.c., 50-60Hz, 0.4A Output: 5V d.c., 600mA		
Hardware version:	4011-MB-V6.0		
Software version:	v01		

WIFI

Supported type:	<input checked="" type="checkbox"/> 802.11b	<input checked="" type="checkbox"/> 802.11g	<input checked="" type="checkbox"/> 802.11n(H20)	<input checked="" type="checkbox"/> 802.11n(H40)
Modulation:	<u>DSSS</u> for 802.11b <u>OFDM</u> for 802.11g/802.11n(H20)/802.11n(H40)			
Operation frequency:	<u>2412MHz~2462MHz</u> for 802.11b/802.11g/802.11n(H20) <u>2422MHz~2452MHz</u> for 802.11n(H40)			
Channel number:	<u>11</u> for 802.11b/802.11g/802.11n(H20) <u>7</u> for 802.11n(H40)			
Channel separation:	5MHz			
Antenna type:	Integral antenna			
Antenna gain:	0.8 dBi			

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(H20)		802.11n(H40)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	01	-
02	2417	02	-
03	2422	03	2422
04	2427	04	2427
05	2432	05	2432
06	2437	06	2437
07	2442	07	2442
08	2447	08	2447
09	2452	09	2452
10	2457	10	-
11	2462	11	-

➤ 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 APunder large package sizes transmission.
For RF test axis
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

	Length (m) :	/
	Shield :	/
	Detachable :	/
	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

Phone: 86-755-26748019 Fax: 86-755-26748089

4.2. **Test Facility**

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

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, Date of Registration: February 28, 2015. Valid time is until February 27, 2018.

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. Valid time is until December 31, 2016.

FCC-Registration No.: 317478

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. Registration 317478, Renewal date Jul. 18, 2014, valid time is until Jul. 18, 2017.

IC-Registration No.: 5377A&5377B

The 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 on Dec. 31, 2013, valid time is until Dec. 31, 2016.

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. 5377B on Dec.03, 2014, valid time is until Dec.03, 2017.

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.

VCCI

Radiated disturbance above 1GHz measurement of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-292. Date of Registration: Dec. 24, 2013. Valid time is until Dec. 23, 2016.

Telecommunication Ports Conducted Interference Measurement of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: T-1837. Date of Registration: May 07, 2013. Valid time is until May 06, 2016.

DNV

Shenzhen Huatongwei International Inspection Co., Ltd. has been found to comply with the requirements of DNV towards subcontractor of EMC and safety testing services in conjunction with the EMC and Low voltage Directives and in the voluntary field. The acceptance is based on a formal quality Audit and follow-ups according to relevant parts of ISO/IEC Guide 17025 (2005), in accordance with the requirements of the DNV Laboratory Quality Manual towards subcontractors. Valid time is until Aug. 24, 2016.

4.3. Equipments Used during the Test

Conducted Emission (AC Main)					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal
1	Artificial Mains	Rohde&Schwarz	ESH2-Z5	100028	11/13/2016
2	EMI Test Receiver	Rohde&Schwarz	ESCI3	100038	11/13/2016
3	Pulse Limiter	Rohde&Schwarz	ESHSZ2	100044	11/13/2016
4	EMI Test Software	Rohde&Schwarz	ES-K1 V1.71	N/A	N/A

Radiated Emission					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal
1	Ultra-Broadband Antenna	ShwarzBeck	VULB9163	538	11/13/2016
2	EMI TEST RECEIVER	Rohde&Schwarz	ESI 26	100009	11/13/2016
3	EMI TEST Software	Audix	E3	N/A	N/A
4	TURNTABLE	ETS	2088	2149	N/A
5	ANTENNA MAST	ETS	2075	2346	N/A
6	EMI TEST Software	Rohde&Schwarz	ESK1	N/A	N/A
7	HORNANTENNA	ShwarzBeck	9120D	1011	11/13/2016
8	Amplifier	Sonoma	310N	E009-13	11/13/2016
9	JS amplifier	Rohde&Schwarz	JS4-00101800-28-5A	F201504	11/13/2016
10	High pass filter	Compliance Direction systems	BSU-6	34202	11/13/2016
11	HORNANTENNA	ShwarzBeck	9120D	1012	11/13/2016
12	Amplifier	Compliance Direction systems	PAP1-4060	120	11/13/2016
13	Loop Antenna	Rohde&Schwarz	HFH2-Z2	100020	11/13/2016
14	TURNTABLE	MATURO	TT2.0	----	N/A
15	ANTENNA MAST	MATURO	TAM-4.0-P	----	N/A
16	Horn Antenna	SCHWARZBECK	BBHA9170	25841	11/13/2016
17	ULTRA-BROADBAND ANTENNA	Rohde&Schwarz	HL562	100015	11/13/2016

Maximum Peak Output Power / Power Spectral Density / 6dB Bandwidth / Band Edge Compliance of RF Emission / Spurious RF Conducted Emission					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal
1	Spectrum Analyzer	Rohde&Schwarz	FSP	1164.4391.40	11/13/2016
2	Power Meter	Anritsu	ML2480B	100798	11/13/2016
3	Power Sensor	Anritsu	MA2411B	100258	11/13/2016

The Cal.Interval was one year

4.4. 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

4.5. 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 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 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 Huatongwei laboratory is reported:

Test Items	Measurement Uncertainty	Notes
Transmitter power conducted	0.57 dB	(1)
Transmitter power Radiated	2.20 dB	(1)
Conducted spurious emission 9KHz-40 GHz	1.60 dB	(1)
Radiated spurious emission 9KHz-40 GHz	2.20 dB	(1)
Conducted Emission 9KHz-30MHz	3.39 dB	(1)
Radiated Emission 30~1000MHz	4.24 dB	(1)
Radiated Emissio 1~18GHz	5.16 dB	(1)
Radiated Emissio 18-40GHz	5.54 dB	(1)
Occupied Bandwidth	-----	(1)

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

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 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.

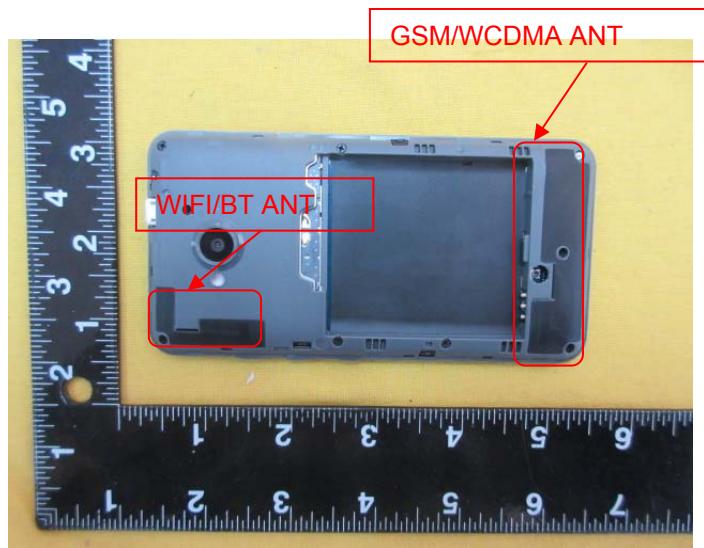
FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1)(i):

(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 RESULTS

Passed Not Applicable

The antenna is integral antenna, the best case gain of the antenna is 0.8dBi, please refer to the below antenna photo.



5.2. Conducted Emission (AC Main)

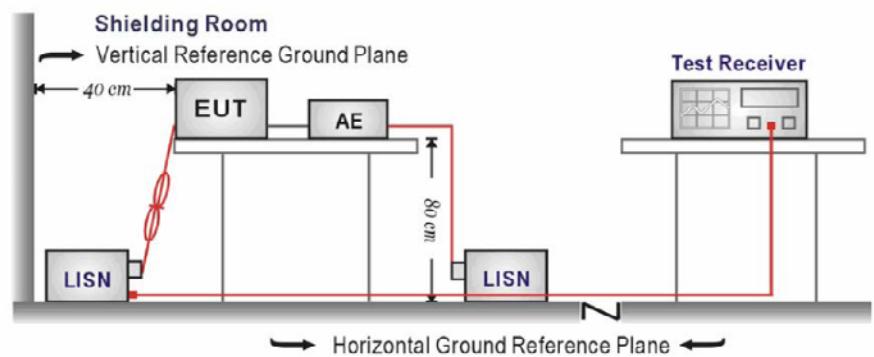
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.207:

Frequency range (MHz)	Limit (dB _{UV})	
	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 for compliance to FCC 47CFR 15.247 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 conductive surface.
3. The EUT and simulators are connected to the main power through a line impedance 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:

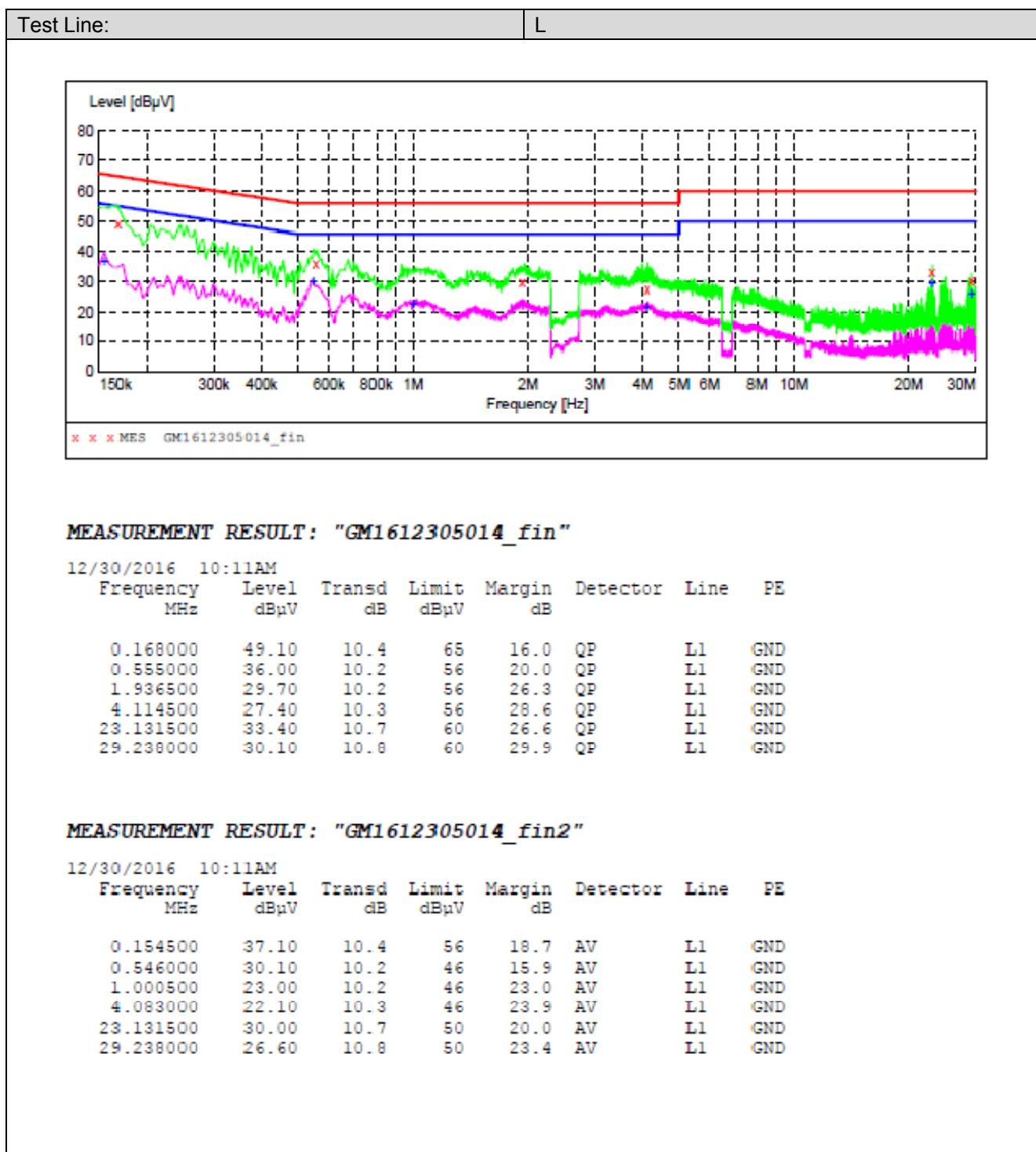
Please refer to the clause 3.3

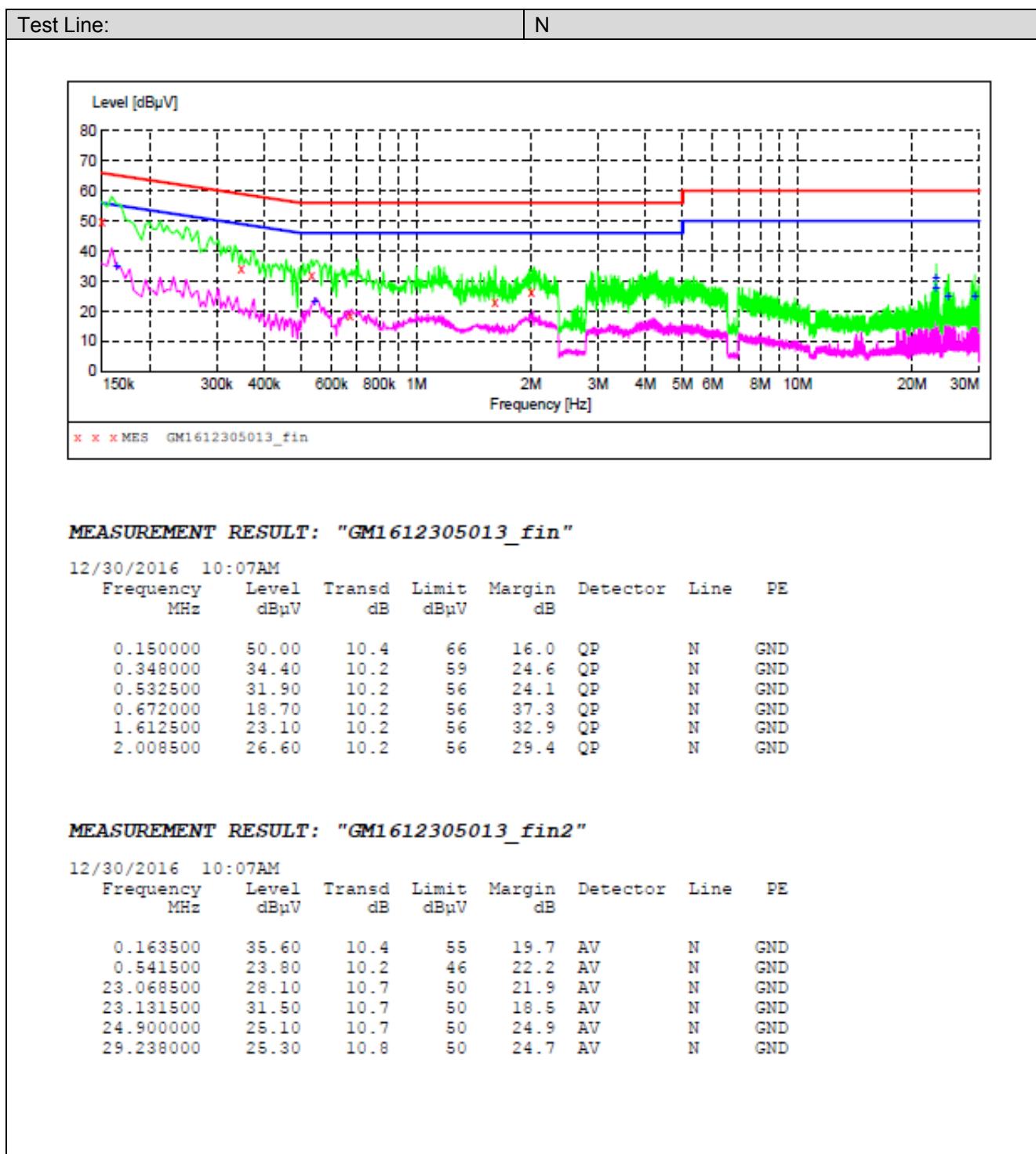
TEST RESULTS

Passed Not Applicable

Note:

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



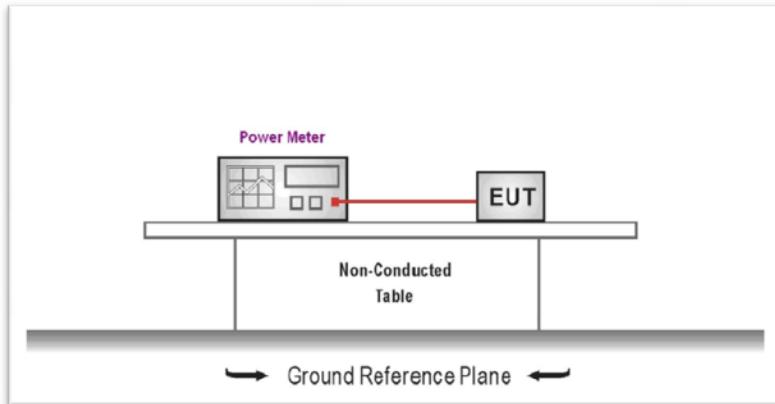


5.3. Conducted Peak Output Power

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	Output power (dBm)	Limit (dBm)	Result
802.11b	01	17.27	30.00	Pass
	06	18.19		
	11	18.23		
802.11g	01	15.52	30.00	Pass
	06	16.38		
	11	16.55		
802.11n(H20)	01	13.99	30.00	Pass
	06	14.34		
	11	14.63		
802.11n(H40)	03	13.82	30.00	Pass
	06	14.33		
	09	13.98		

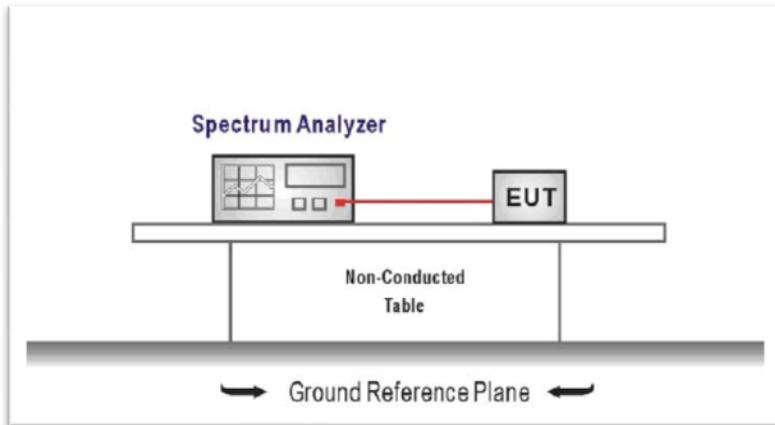
5.4. Power Spectral Density

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:
 $\text{Center frequency} = \text{DTS channel center frequency}$
 $\text{Span} = 1.5 \text{ times the DTS bandwidth}$
 $\text{RBW} = 3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}, \text{VBW} \geq 3 \times \text{RBW}$
 $\text{Sweep time} = \text{auto couple}$
 $\text{Detector} = \text{peak}$
 $\text{Trace mode} = \text{max hold}$
3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform 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

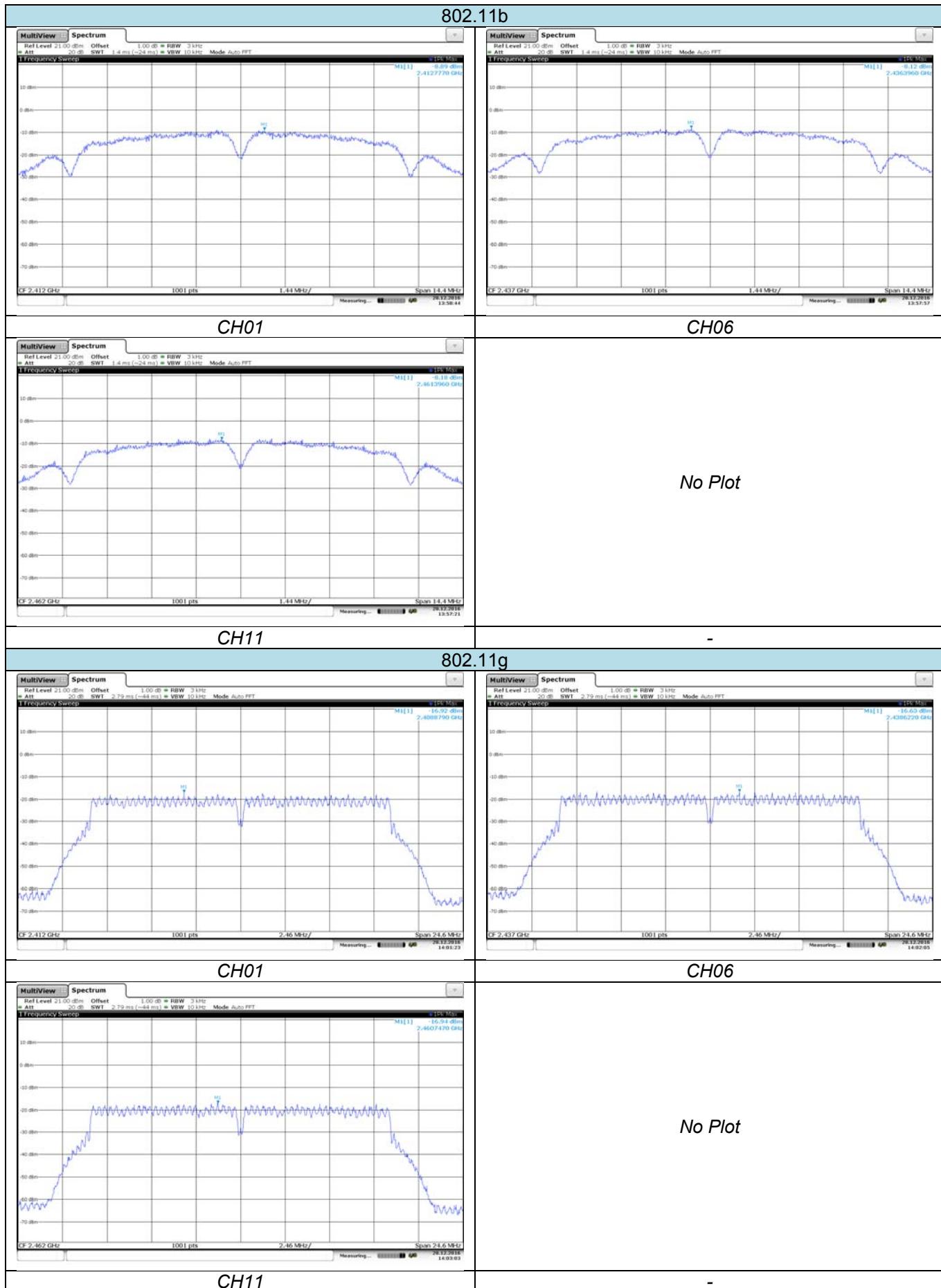
TEST RESULTS

Passed Not Applicable

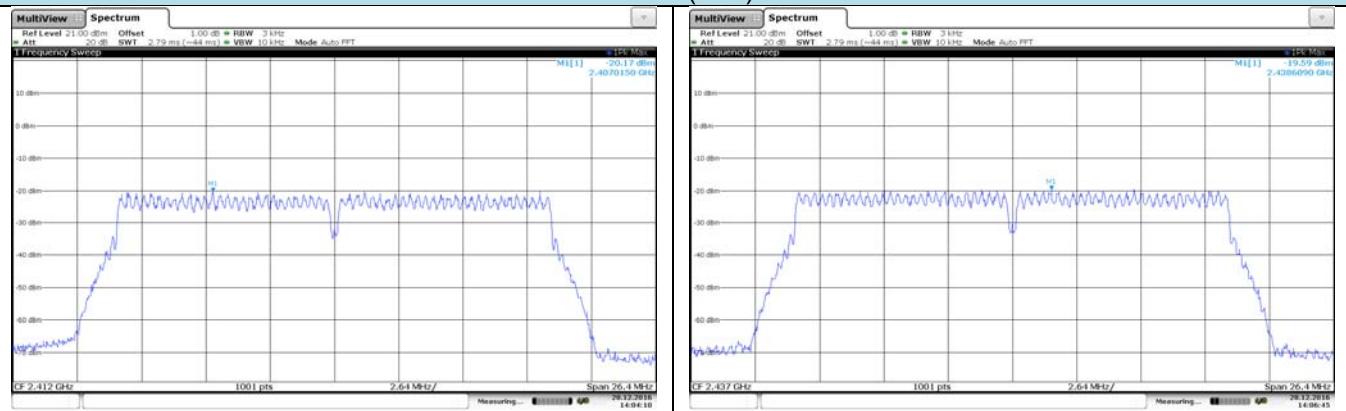
Type	Channel	Power Spectral Density (dBm/3KHz)	Limit (dBm/3KHz)	Result
802.11b	01	-8.89	8.00	Pass
	06	-8.12		
	11	-8.18		
802.11g	01	-16.92	8.00	Pass
	06	-16.63		
	11	-16.94		
802.11n(H20)	01	-20.17	8.00	Pass
	06	-19.59		
	11	-19.31		
802.11n(H40)	03	-22.71	8.00	Pass
	06	-21.67		
	09	-22.24		

Test plot as follows:

802.11b

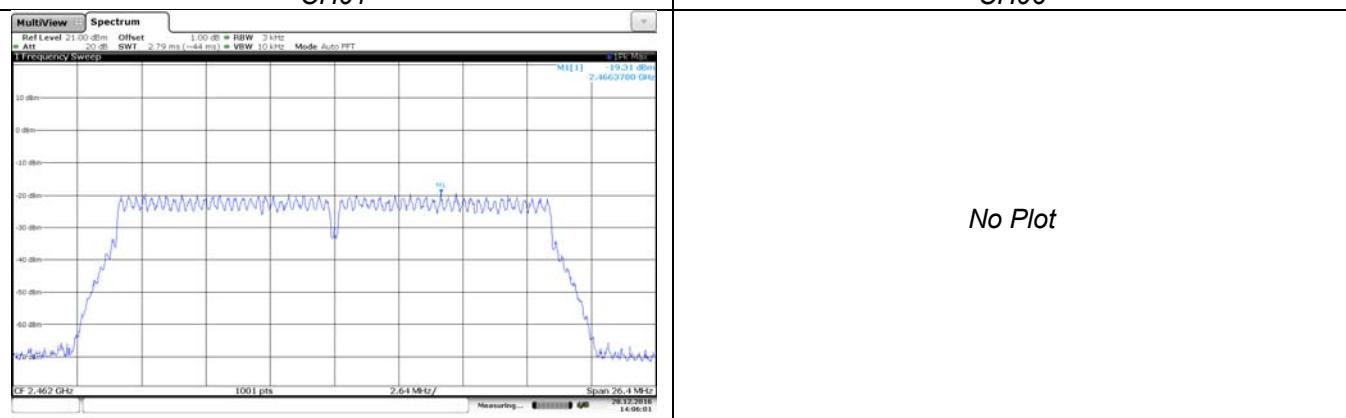


802.11n(H20)



CH01

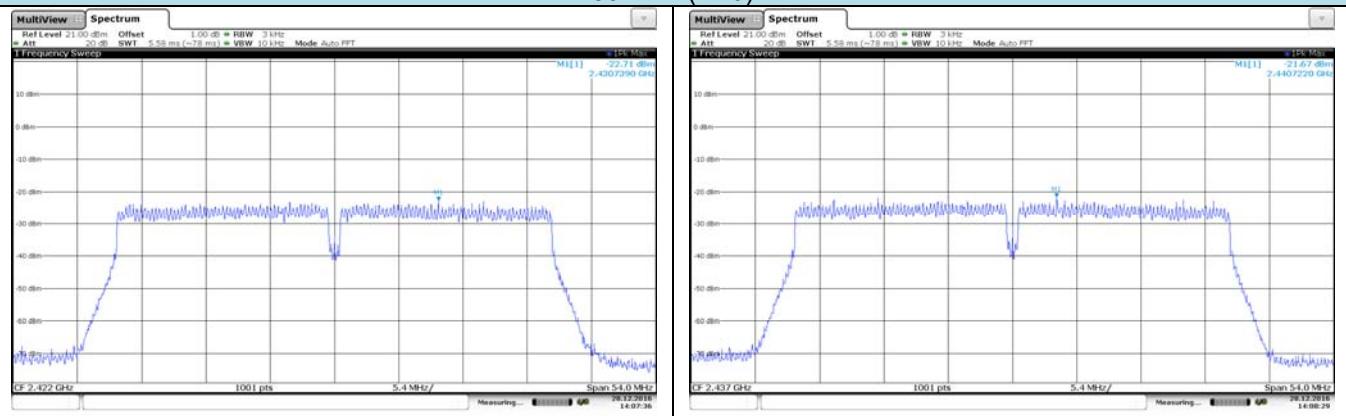
CH06



CH11

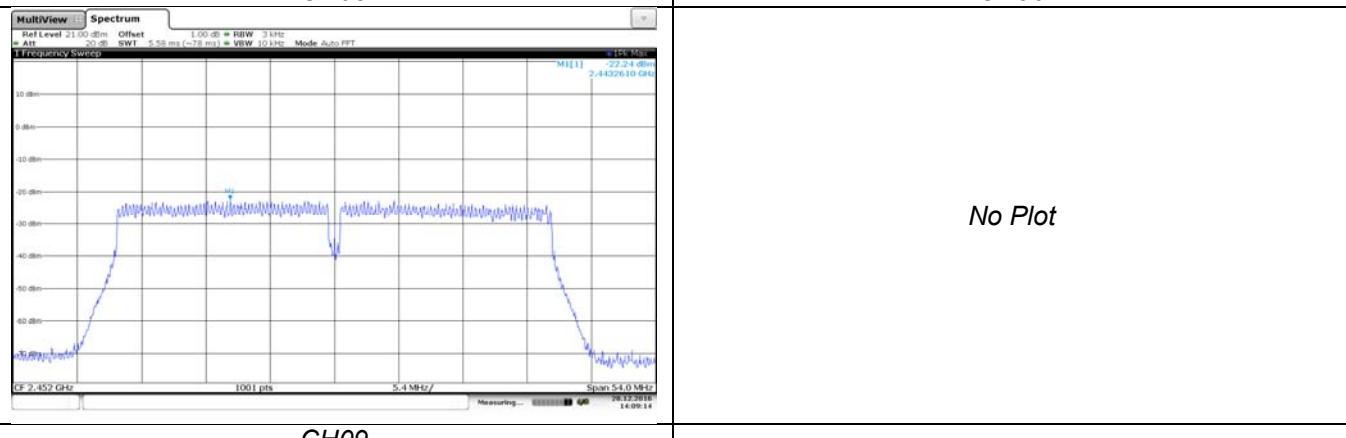
No Plot

802.11n(H40)



CH03

CH06



CH09

No Plot

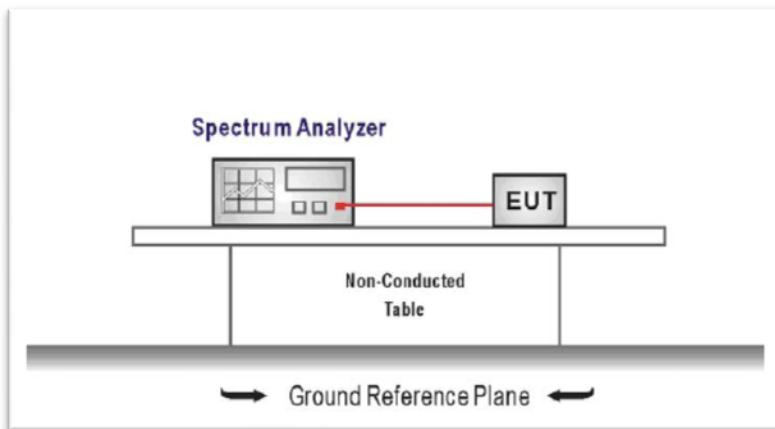
5.5. 6dB bandwidth

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 $\geq 3 \times$ 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 waveform 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

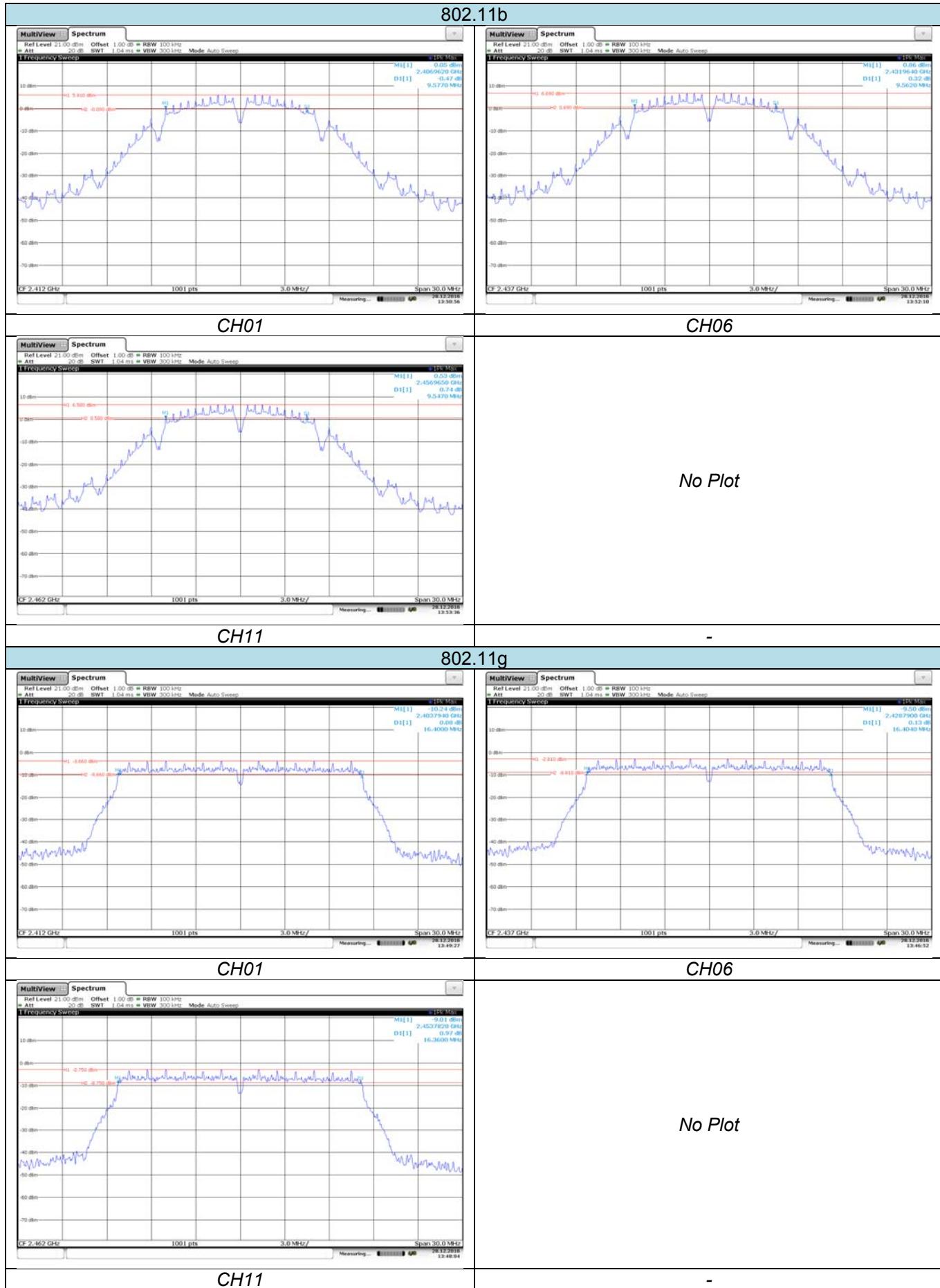
TEST RESULTS

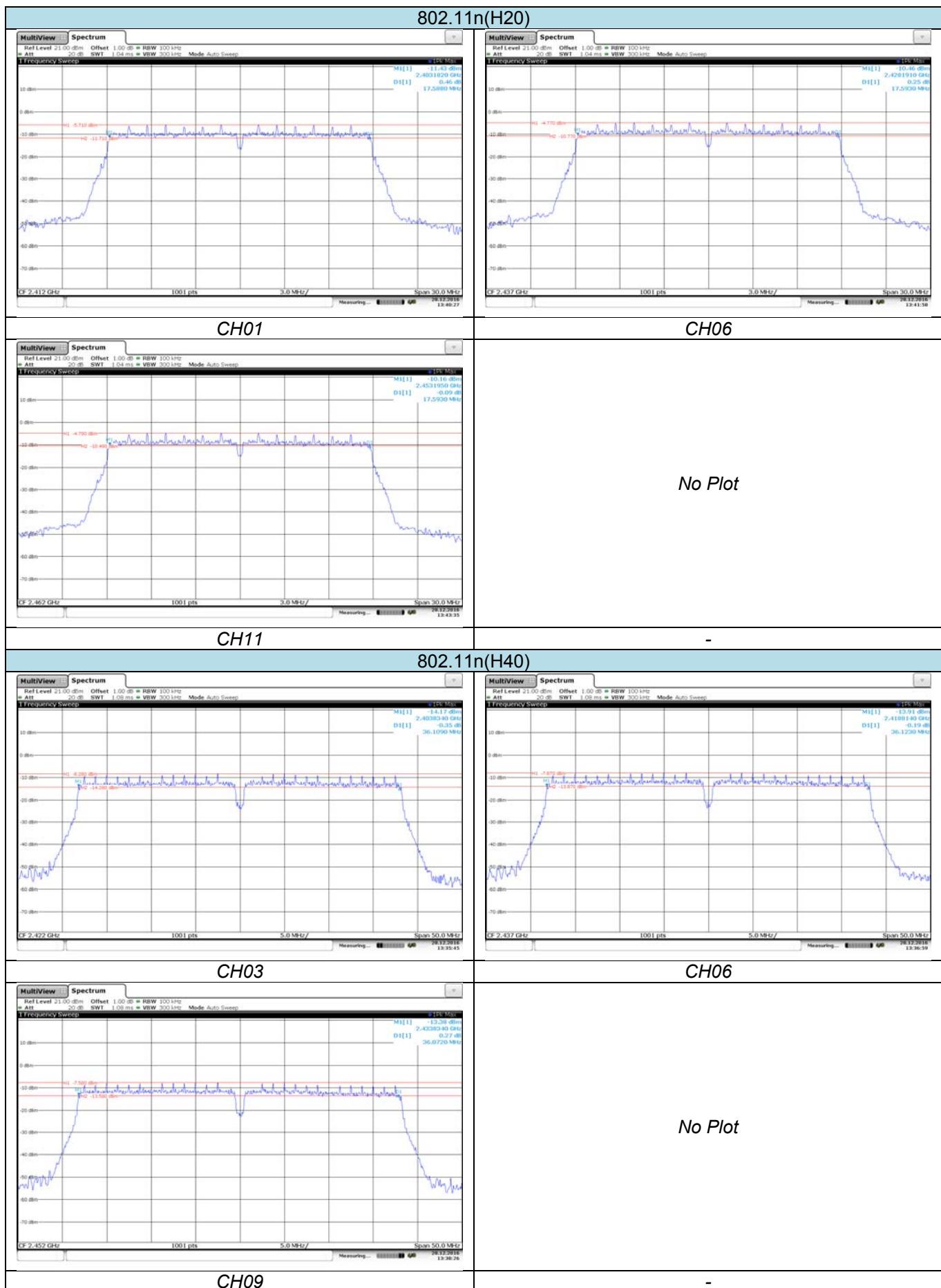
Passed Not Applicable

Type	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11b	01	9.58	≥500	Pass
	06	9.56		
	11	9.55		
802.11g	01	16.40	≥500	Pass
	06	16.40		
	11	16.36		
802.11n(H20)	01	17.59	≥500	Pass
	06	17.59		
	11	17.59		
802.11n(H40)	03	36.11	≥500	Pass
	06	36.12		
	09	36.07		

Test plot as follows:

802.11b





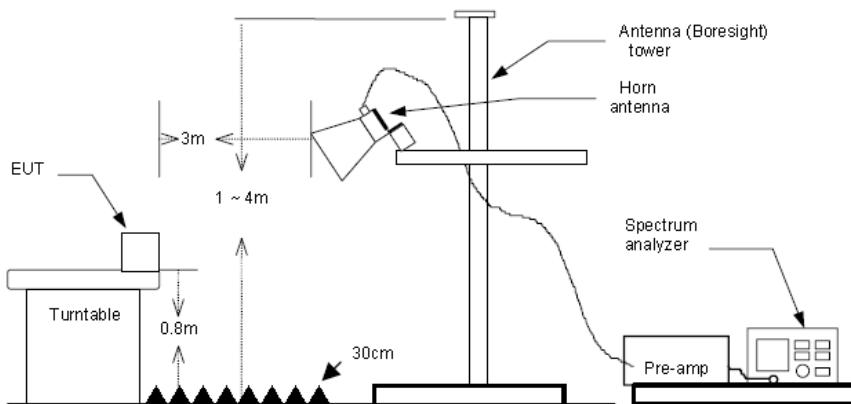
5.6. Restricted band

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 emission 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. This is 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 for Peak value
RBW=1MHz, VBW=10Hz 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 + Antenna Factor+ Cable Loss- Preamp Factor*

802.11b									
CH01									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2310.00	17.08	27.27	6.62	0.00	50.97	74.00	-23.03	Vertical	Peak
2390.01	17.51	27.53	6.75	0.00	51.79	74.00	-22.21	Vertical	
2310.00	17.68	27.27	6.62	0.00	51.57	74.00	-22.43	Horizontal	
2390.01	19.34	27.53	6.75	0.00	53.62	74.00	-20.38	Horizontal	
2310.00	11.48	27.27	6.62	0.00	45.37	54.00	-8.63	Vertical	Average
2390.01	11.20	27.53	6.75	0.00	45.48	54.00	-8.52	Vertical	
2310.00	11.85	27.27	6.62	0.00	45.74	54.00	-8.26	Horizontal	
2390.01	12.18	27.53	6.75	0.00	46.46	54.00	-7.54	Horizontal	

802.11b									
CH11									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2483.49	17.37	27.85	6.83	0.00	52.05	74.00	-21.95	Vertical	Peak
2500.00	17.44	27.90	6.84	0.00	52.18	74.00	-21.82	Vertical	
2483.49	17.56	27.85	6.83	0.00	52.24	74.00	-21.76	Horizontal	
2500.00	18.75	27.90	6.84	0.00	53.49	74.00	-20.51	Horizontal	
2483.49	11.15	27.85	6.83	0.00	45.83	54.00	-8.17	Vertical	Average
2500.00	11.27	27.90	6.84	0.00	46.01	54.00	-7.99	Vertical	
2483.49	11.21	27.85	6.83	0.00	45.89	54.00	-8.11	Horizontal	
2500.00	11.22	27.90	6.84	0.00	45.96	54.00	-8.04	Horizontal	

802.11g									
CH01									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2310.00	17.47	27.27	6.62	0.00	51.36	74.00	-22.64	Vertical	Peak
2390.01	18.86	27.53	6.75	0.00	53.14	74.00	-20.86	Vertical	
2310.00	17.87	27.27	6.62	0.00	51.76	74.00	-22.24	Horizontal	
2390.01	20.42	27.53	6.75	0.00	54.70	74.00	-19.30	Horizontal	
2310.00	11.26	27.27	6.62	0.00	45.15	54.00	-8.85	Vertical	Average
2390.01	12.93	27.53	6.75	0.00	47.21	54.00	-6.79	Vertical	
2310.00	11.68	27.27	6.62	0.00	45.57	54.00	-8.43	Horizontal	
2390.01	15.45	27.53	6.75	0.00	49.73	54.00	-4.27	Horizontal	

802.11g									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2483.49	18.48	27.85	6.83	0.00	53.16	74.00	-20.84	Vertical	Peak
2500.00	18.32	27.90	6.84	0.00	53.06	74.00	-20.94	Vertical	
2483.49	22.12	27.85	6.83	0.00	56.80	74.00	-17.20	Horizontal	
2500.00	18.05	27.90	6.84	0.00	52.79	74.00	-21.21	Horizontal	
2483.49	14.33	27.85	6.83	0.00	49.01	54.00	-4.99	Vertical	Average
2500.00	11.03	27.90	6.84	0.00	45.77	54.00	-8.23	Vertical	
2483.49	16.10	27.85	6.83	0.00	50.78	54.00	-3.22	Horizontal	
2500.00	10.92	27.90	6.84	0.00	45.66	54.00	-8.34	Horizontal	

802.11n(H20)									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2310.00	17.18	27.27	6.62	0.00	51.07	74.00	-22.93	Vertical	Peak
2390.01	17.48	27.53	6.75	0.00	51.76	74.00	-22.24	Vertical	
2310.00	17.65	27.27	6.62	0.00	51.54	74.00	-22.46	Horizontal	
2390.01	21.94	27.53	6.75	0.00	56.22	74.00	-17.78	Horizontal	
2310.00	11.15	27.27	6.62	0.00	45.04	54.00	-8.96	Vertical	Average
2390.01	14.33	27.53	6.75	0.00	48.61	54.00	-5.39	Vertical	
2310.00	11.38	27.27	6.62	0.00	45.27	54.00	-8.73	Horizontal	
2390.01	15.39	27.53	6.75	0.00	49.67	54.00	-4.33	Horizontal	

802.11n(H20)									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2483.49	17.77	27.85	6.83	0.00	52.45	74.00	-21.55	Vertical	Peak
2500.00	17.60	27.90	6.84	0.00	52.34	74.00	-21.66	Vertical	
2483.49	16.88	27.85	6.83	0.00	51.56	74.00	-22.44	Horizontal	
2500.00	12.08	27.90	6.84	0.00	46.82	74.00	-27.18	Horizontal	
2483.49	15.27	27.85	6.83	0.00	49.95	54.00	-4.05	Vertical	Average
2500.00	10.80	27.90	6.84	0.00	45.54	54.00	-8.46	Vertical	
2483.49	13.42	27.85	6.83	0.00	48.10	54.00	-5.90	Horizontal	
2500.00	5.69	27.90	6.84	0.00	40.43	54.00	-13.57	Horizontal	

802.11n(H40)		CH03							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2310.00	18.13	27.27	6.62	0.00	52.02	74.00	-21.98	Vertical	Peak
2389.99	23.11	27.53	6.75	0.00	57.39	74.00	-16.61	Vertical	
2310.00	18.02	27.27	6.62	0.00	51.91	74.00	-22.09	Horizontal	
2389.99	30.24	27.53	6.75	0.00	64.52	74.00	-9.48	Horizontal	
2310.00	11.21	27.27	6.62	0.00	45.10	54.00	-8.90	Vertical	Average
2389.99	16.03	27.53	6.75	0.00	50.31	54.00	-3.69	Vertical	
2310.00	9.45	27.27	6.62	0.00	43.34	54.00	-10.66	Horizontal	
2389.99	15.58	27.53	6.75	0.00	49.86	54.00	-4.14	Horizontal	

802.11n(H40)		CH09							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2483.50	22.55	27.85	6.83	0.00	57.23	74.00	-16.77	Vertical	Peak
2500.00	19.05	27.90	6.84	0.00	53.79	74.00	-20.21	Vertical	
2483.50	31.78	27.85	6.83	0.00	66.46	74.00	-7.54	Horizontal	
2500.00	22.70	27.90	6.84	0.00	57.44	74.00	-16.56	Horizontal	
2483.50	15.67	27.85	6.83	0.00	50.35	54.00	-3.65	Vertical	Average
2500.00	12.02	27.90	6.84	0.00	46.76	54.00	-7.24	Vertical	
2483.50	16.65	27.85	6.83	0.00	50.33	54.00	-3.67	Horizontal	
2500.00	9.98	27.90	6.84	0.00	44.72	54.00	-9.28	Horizontal	

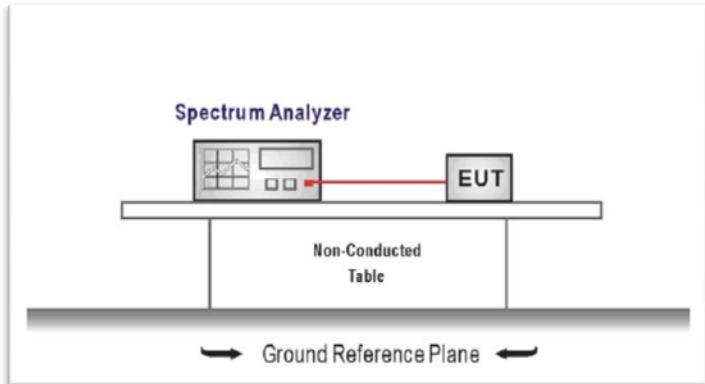
5.7. Band edge and Spurious Emission (conducted)

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 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
 $\text{Center frequency} = \text{DTS channel center frequency}$
 $\text{The span} = 1.5 \text{ times the DTS bandwidth.}$
 $\text{RBW} = 100 \text{ kHz, VBW} \geq 3 \times \text{RBW}$
 $\text{Detector} = \text{peak, Sweep time} = \text{auto couple, Trace mode} = \text{max hold}$
 $\text{Allow trace to fully stabilize}$
 $\text{Use the peak marker function to determine the maximum PSD level}$

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
 $\text{RBW} = 100 \text{ kHz, VBW} \geq 3 \times \text{RBW}$
 $\text{Detector} = \text{peak, Sweep time} = \text{auto couple, Trace mode} = \text{max hold}$
 $\text{Allow trace to fully stabilize}$
 $\text{Use the peak marker function to determine the maximum amplitude level.}$
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 emissions 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 emissions relative to the limit.

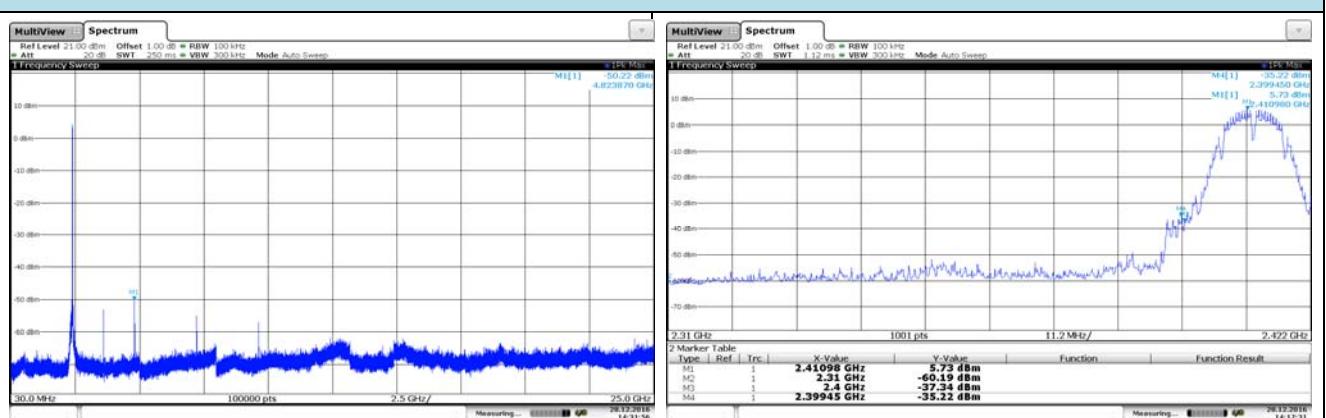
TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

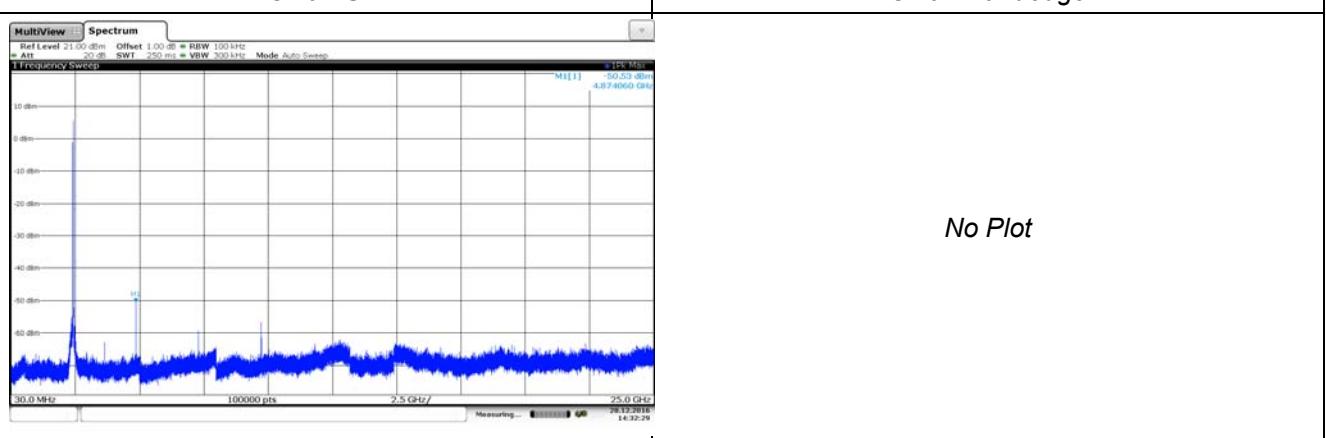
Passed Not Applicable

802.11b



CH01-SE

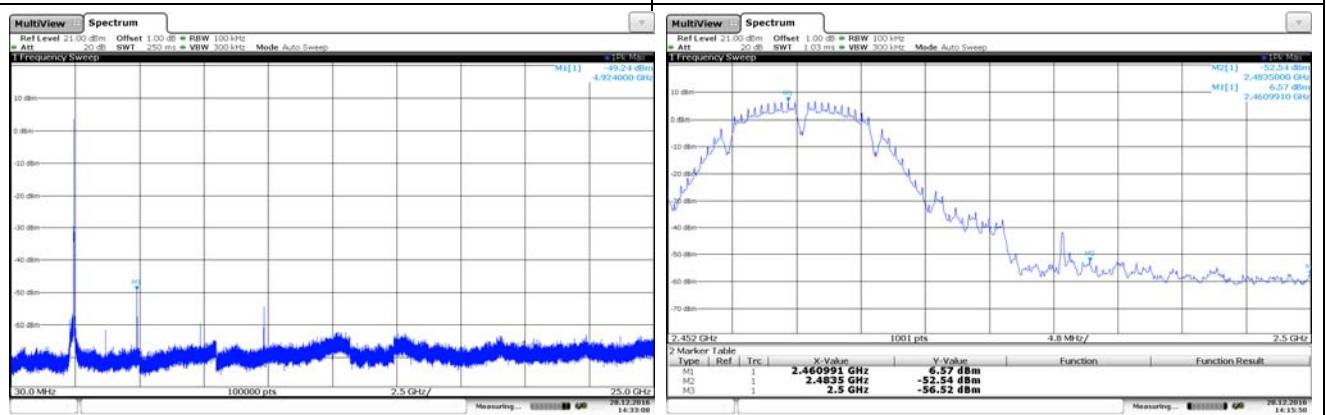
CH01-Bandedge



No Plot

CH06-SE

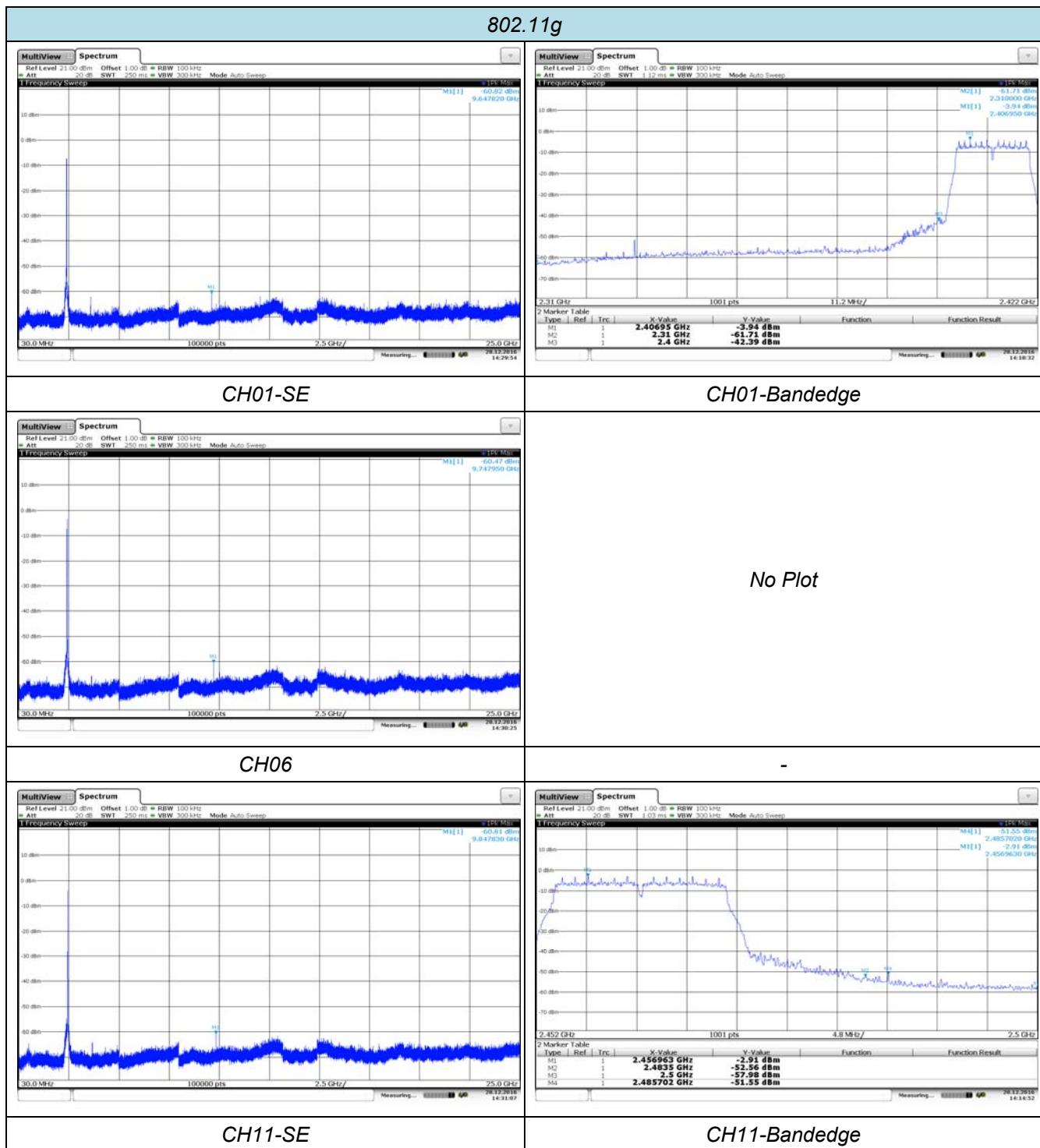
-



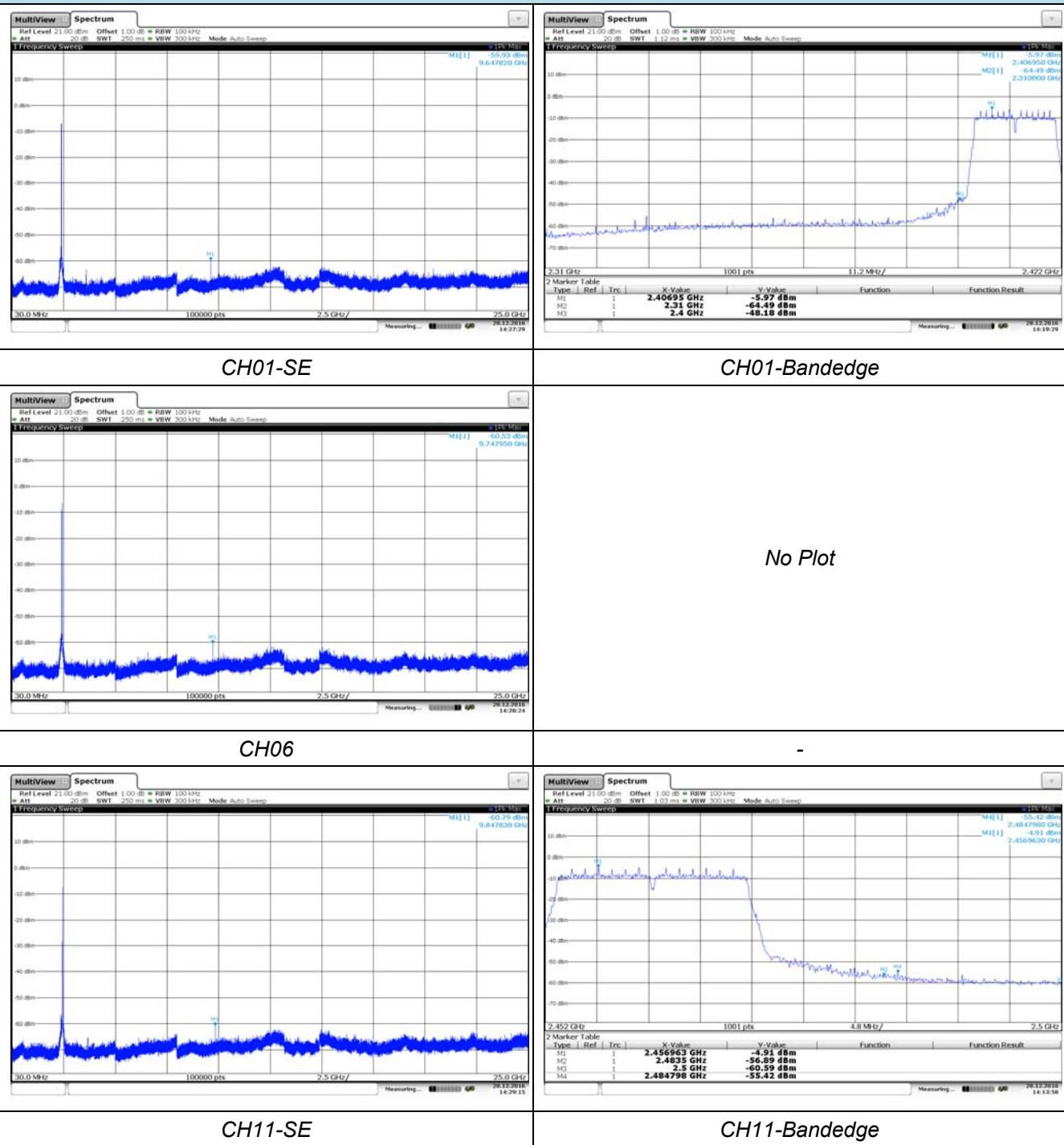
CH11-SE

CH11-Bandedge

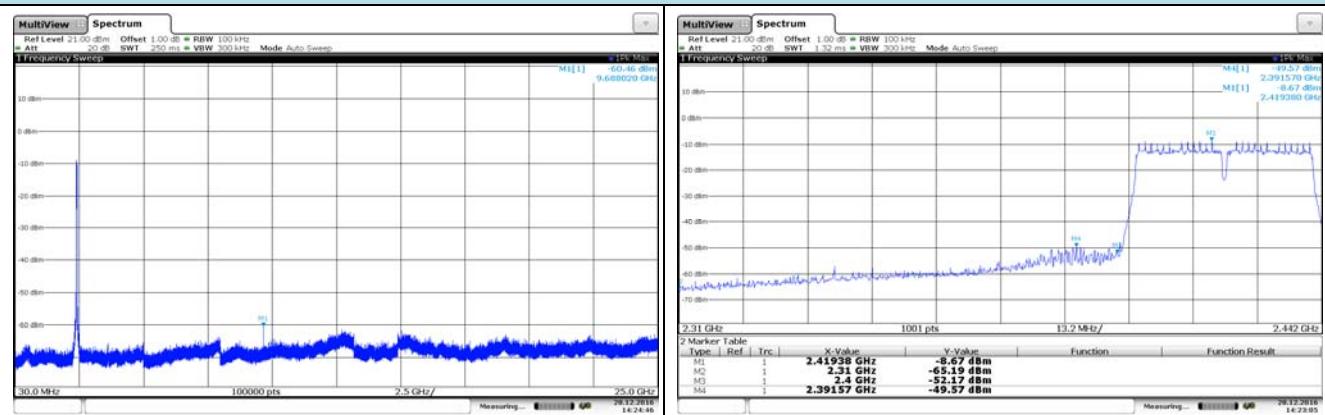




802.11n (H20)

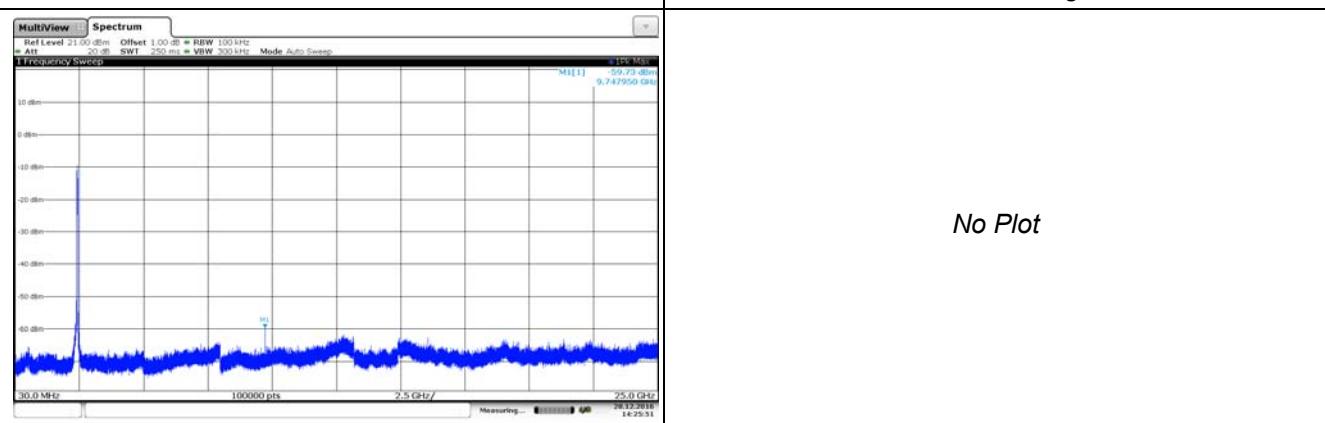


802.11n (H40)



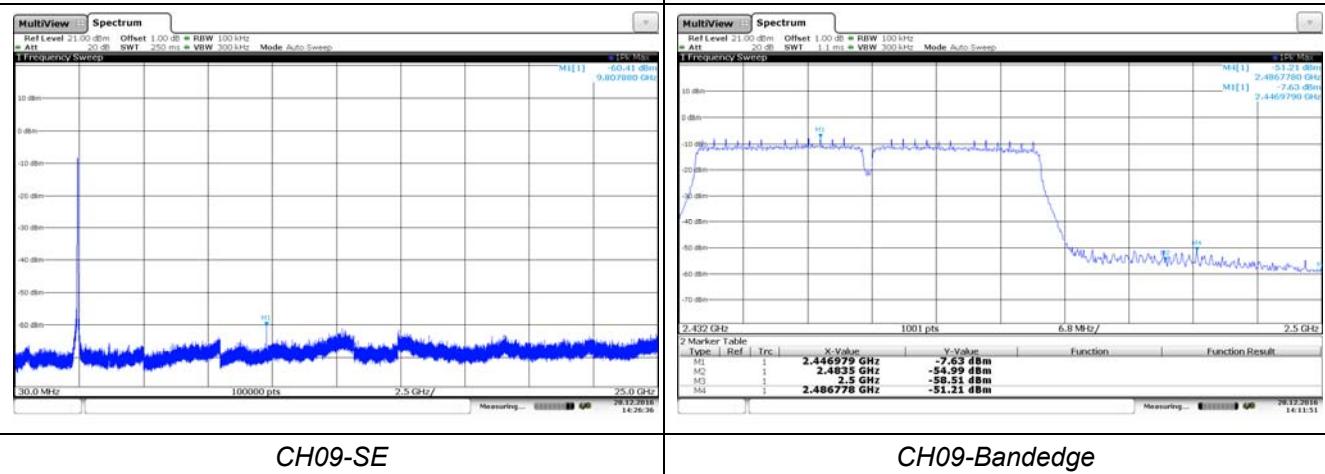
CH03-SE

CH03-Bandedge



CH06

No Plot



CH09-SE

CH09-Bandedge

5.8. Spurious Emission (radiated)

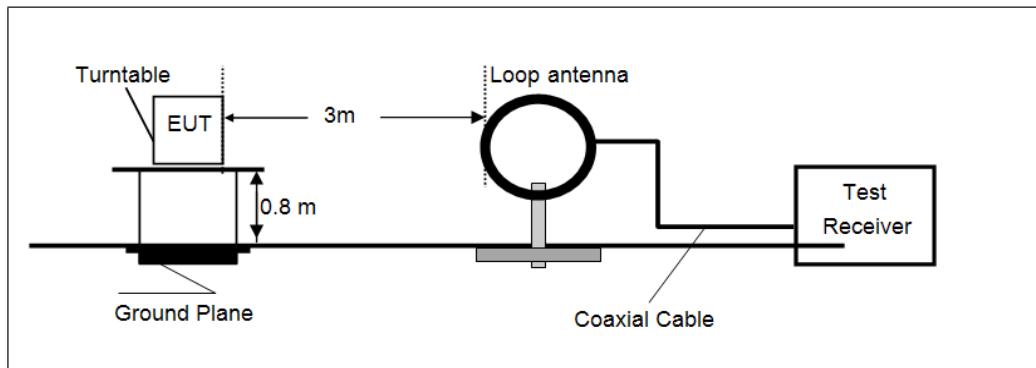
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.209

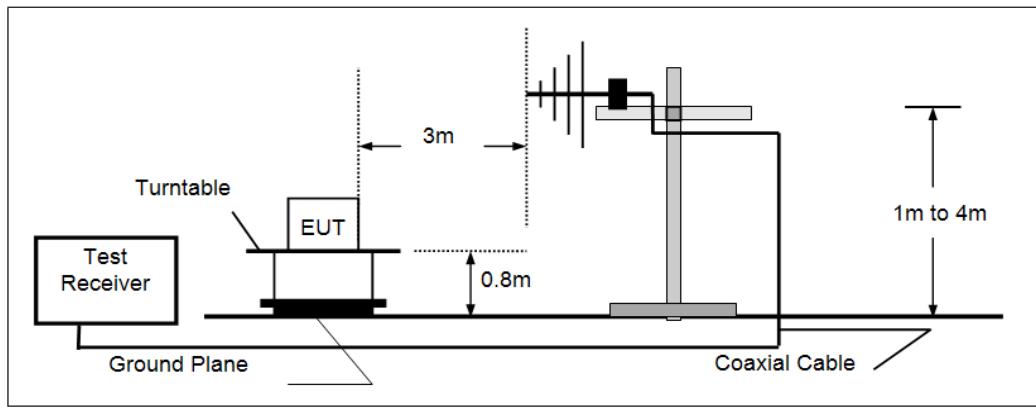
Frequency	Limit (dBuV/m @3m)	Value
30MHz-88MHz	40.00	Quasi-peak
88MHz-216MHz	43.50	Quasi-peak
216MHz-960MHz	46.00	Quasi-peak
960MHz-1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
	74.00	Peak

TEST CONFIGURATION

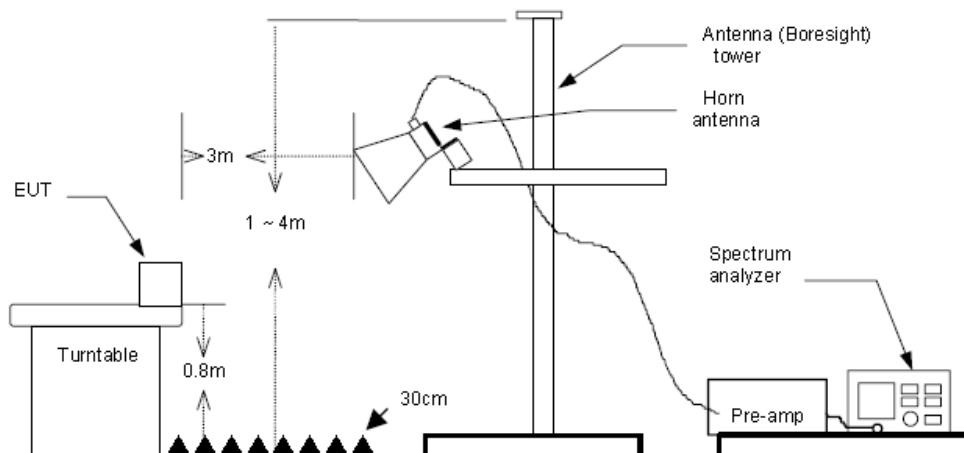
- 9KHz ~30MHz



- 30MHz ~ 1GHz



- Above 1GHz



TEST PROCEDURE

1. The EUT was 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. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was positioned 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. This is repeated for both horizontal and vertical polarization of the antenna.
5. Use the following spectrum analyzer settings
 - (1) Span shall be wide enough to fully capture the emission being measured;
 - (2) Below 1GHz, RBW=120KHz, VBW=300KHz, 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) Above 1GHz, RBW=1MHz, VBW=3MHz for Peak value
RBW=1MHz, VBW=10Hz 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 + Antenna Factor + Cable Loss – Preamplifier Factor*
- 2) *The emission levels of other frequencies are very lower than the limit and not show in test report.*

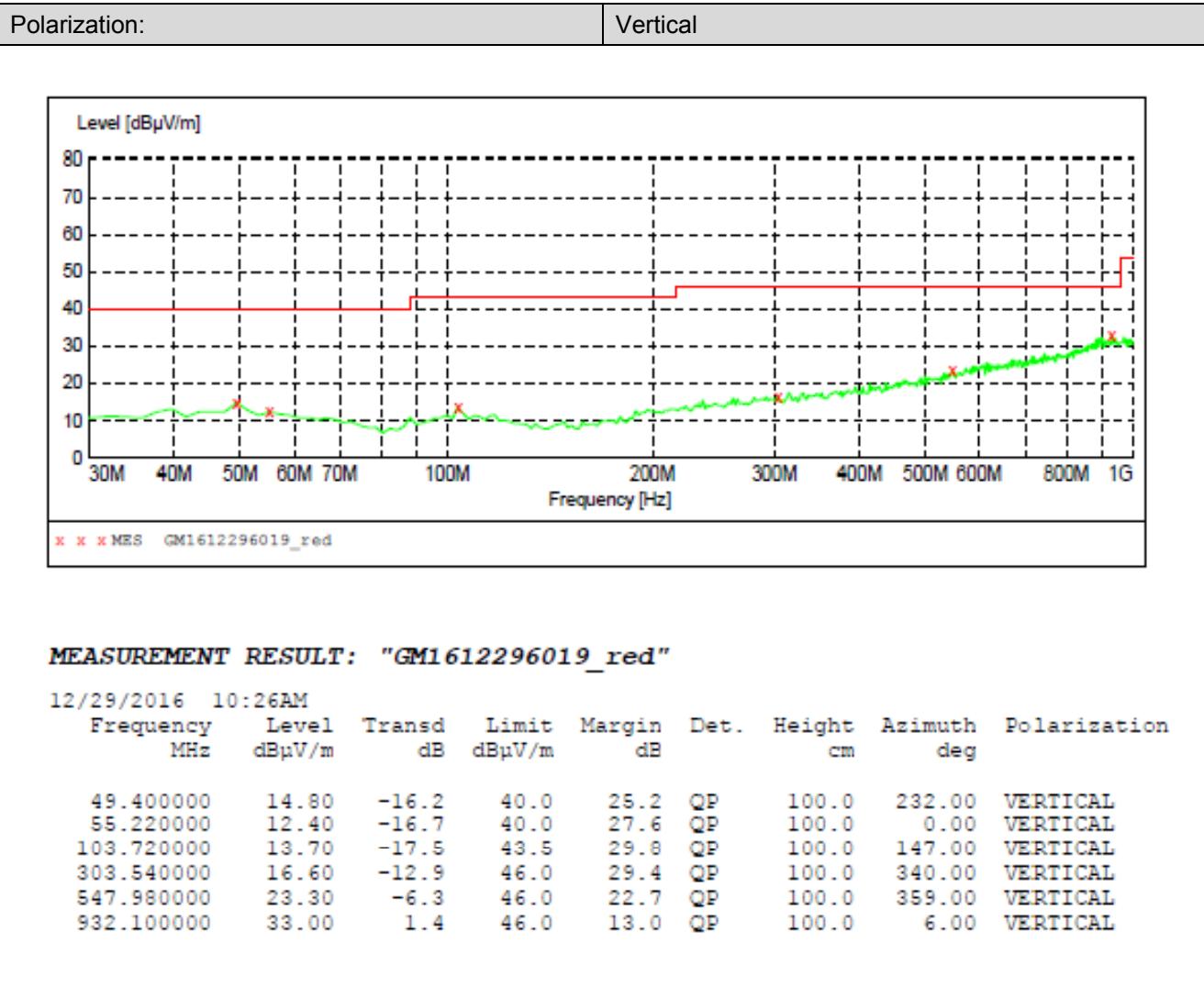
➤ **9kHz ~ 30MHz**

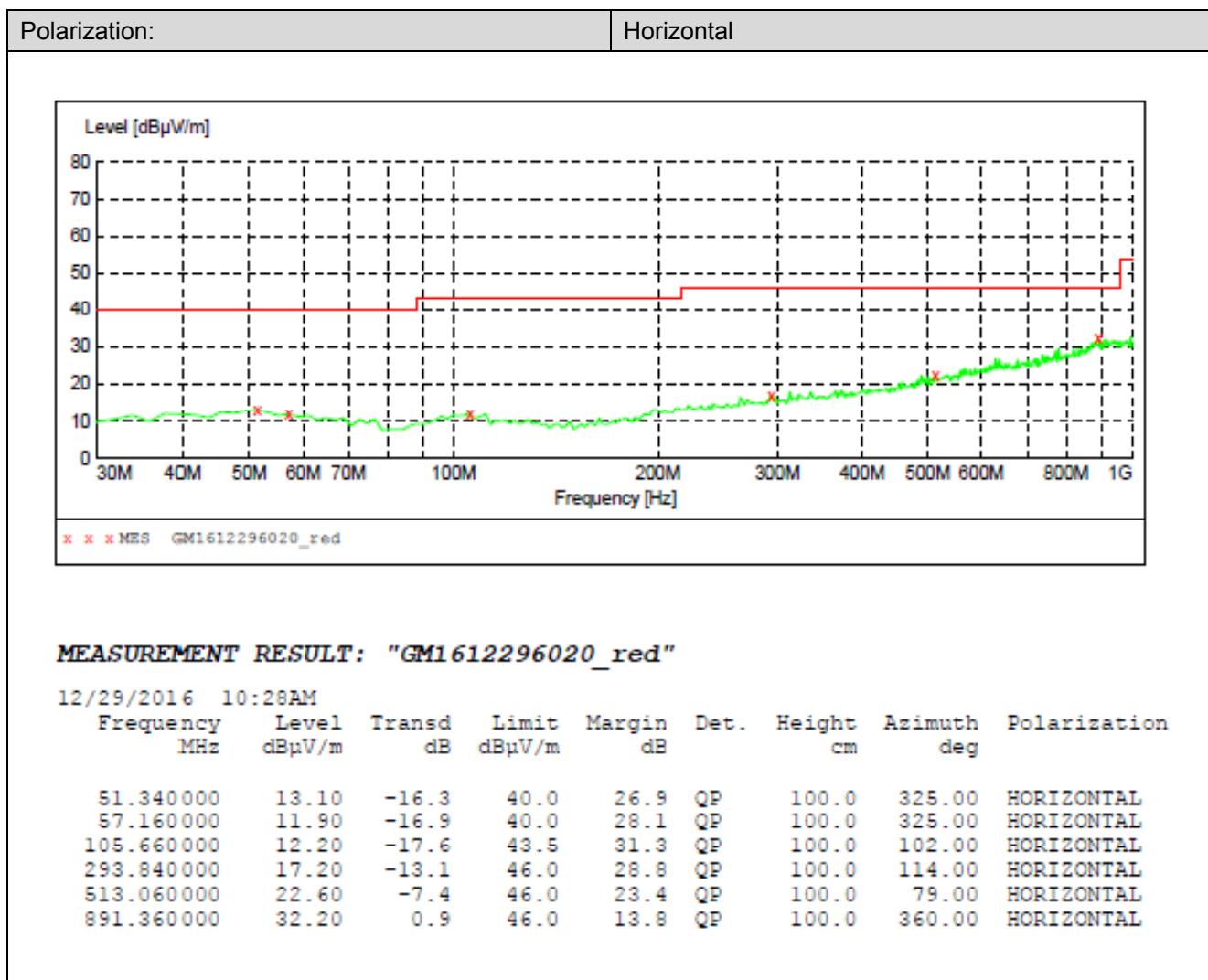
The EUT was pre-scanned the frequency band (9KHz~30MHz), found the radiated level lower than the limit, so don't show on the report.

➤ **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





➤ **Above 1 GHz**

802.11b		CH01							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1782.18	37.51	25.54	5.93	37.10	31.88	74.00	-42.12	Vertical	Peak
3625.67	38.94	28.92	8.30	38.26	37.90	74.00	-36.10	Vertical	
4821.76	44.70	31.09	9.55	36.90	48.44	74.00	-25.56	Vertical	
7227.39	31.22	35.98	11.89	35.04	44.05	74.00	-29.95	Vertical	
1782.18	37.51	25.54	5.93	37.10	31.88	74.00	-42.12	Horizontal	
3616.45	45.91	28.90	8.29	38.27	44.83	74.00	-29.17	Horizontal	
4821.76	44.70	31.09	9.55	36.90	48.44	74.00	-25.56	Horizontal	
7227.39	30.62	35.98	11.89	35.04	43.45	74.00	-30.55	Horizontal	

802.11b		CH06							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1750.70	37.46	25.46	5.86	37.04	31.74	74.00	-42.26	Vertical	Peak
3653.46	41.43	28.96	8.33	38.26	40.46	74.00	-33.54	Vertical	
4871.10	47.33	31.13	9.59	36.76	51.29	74.00	-22.71	Vertical	
7319.96	35.39	36.07	11.99	34.92	48.53	74.00	-25.47	Vertical	
1786.72	35.86	25.55	5.93	37.11	30.23	74.00	-43.77	Horizontal	
3653.46	47.77	28.96	8.33	38.26	46.80	74.00	-27.20	Horizontal	
4871.10	40.48	31.13	9.59	36.76	44.44	74.00	-29.56	Horizontal	
7319.96	33.94	36.07	11.99	34.92	47.08	74.00	-26.92	Horizontal	

802.11b		CH11							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1577.20	37.33	24.95	5.51	36.69	31.10	74.00	-42.90	Vertical	Peak
3700.26	44.77	29.04	8.39	38.25	43.95	74.00	-30.05	Vertical	
4920.96	48.66	31.15	9.62	36.62	52.81	74.00	-21.19	Vertical	
7394.88	34.97	36.12	12.06	34.83	48.32	74.00	-25.68	Vertical	
1818.84	36.70	25.64	5.99	37.16	31.17	74.00	-42.83	Horizontal	
3690.85	50.08	29.02	8.37	38.25	49.22	74.00	-24.78	Horizontal	
4920.96	43.14	31.15	9.62	36.62	47.29	74.00	-26.71	Horizontal	
7394.88	33.81	36.12	12.06	34.83	47.16	74.00	-26.84	Horizontal	

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

802.11g		CH01							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1828.13	36.79	25.67	6.00	37.16	31.30	74.00	-42.70	Vertical	Peak
3402.13	37.23	28.67	7.96	38.55	35.31	74.00	-38.69	Vertical	
4821.76	37.68	31.09	9.55	36.90	41.42	74.00	-32.58	Vertical	
7227.39	31.40	35.98	11.89	35.04	44.23	74.00	-29.77	Vertical	
1724.17	36.95	25.37	5.81	36.98	31.15	74.00	-42.85	Horizontal	
3616.45	40.13	28.90	8.29	38.27	39.05	74.00	-34.95	Horizontal	
4821.76	34.22	31.09	9.55	36.90	37.96	74.00	-36.04	Horizontal	
7227.39	30.82	35.98	11.89	35.04	43.65	74.00	-30.35	Horizontal	

802.11g		CH06							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1768.62	37.82	25.50	5.90	37.07	32.15	74.00	-41.85	Vertical	Peak
3653.46	39.77	28.96	8.33	38.26	38.80	74.00	-35.20	Vertical	
4871.10	43.39	31.13	9.59	36.76	47.35	74.00	-26.65	Vertical	
7319.96	34.33	36.07	11.99	34.92	47.47	74.00	-26.53	Vertical	
1634.42	36.45	25.12	5.64	36.79	30.42	74.00	-43.58	Horizontal	
3653.46	44.68	28.96	8.33	38.26	43.71	74.00	-30.29	Horizontal	
4883.52	38.89	31.14	9.59	36.73	42.89	74.00	-31.11	Horizontal	
7319.96	33.40	36.07	11.99	34.92	46.54	74.00	-27.46	Horizontal	

802.11g		CH11							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1795.84	36.67	25.58	5.95	37.13	31.07	74.00	-42.93	Vertical	Peak
3690.85	42.58	29.02	8.37	38.25	41.72	74.00	-32.28	Vertical	
4933.50	43.94	31.16	9.63	36.59	48.14	74.00	-25.86	Vertical	
7394.88	32.26	36.12	12.06	34.83	45.61	74.00	-28.39	Vertical	
1768.62	36.59	25.50	5.90	37.07	30.92	74.00	-43.08	Horizontal	
3690.85	47.41	29.02	8.37	38.25	46.55	74.00	-27.45	Horizontal	
4920.96	38.88	31.15	9.62	36.62	43.03	74.00	-30.97	Horizontal	
7394.88	31.74	36.12	12.06	34.83	45.09	74.00	-28.91	Horizontal	

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

802.11n(H20) CH01									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1724.17	37.65	25.37	5.81	36.98	31.85	74.00	-42.15	Vertical	Peak
3489.84	37.36	28.70	8.10	38.42	35.74	74.00	-38.26	Vertical	
4821.76	38.66	31.09	9.55	36.90	42.40	74.00	-31.60	Vertical	
7227.39	31.34	35.98	11.89	35.04	44.17	74.00	-29.83	Vertical	
1764.12	36.80	25.48	5.89	37.06	31.11	74.00	-42.89	Horizontal	
3690.85	42.25	29.02	8.37	38.25	41.39	74.00	-32.61	Horizontal	
4920.96	44.74	31.15	9.62	36.62	48.89	74.00	-25.11	Horizontal	
7394.88	32.19	36.12	12.06	34.83	45.54	74.00	-28.46	Horizontal	

802.11n(H20) CH06									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1782.18	36.22	25.54	5.93	37.10	30.59	74.00	-43.41	Vertical	Peak
3653.46	37.23	28.96	8.33	38.26	36.26	74.00	-37.74	Vertical	
4871.10	37.02	31.13	9.59	36.76	40.98	74.00	-33.02	Vertical	
7319.96	30.91	36.07	11.99	34.92	44.05	74.00	-29.95	Vertical	
1746.25	36.82	25.44	5.86	37.03	31.09	74.00	-42.91	Horizontal	
3653.46	44.46	28.96	8.33	38.26	43.49	74.00	-30.51	Horizontal	
4871.10	37.66	31.13	9.59	36.76	41.62	74.00	-32.38	Horizontal	
7319.96	33.66	36.07	11.99	34.92	46.80	74.00	-27.20	Horizontal	

802.11n(H20) CH11									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1724.17	37.65	25.37	5.81	36.98	31.85	74.00	-42.15	Vertical	Peak
3489.84	37.36	28.70	8.10	38.42	35.74	74.00	-38.26	Vertical	
4821.76	38.66	31.09	9.55	36.90	42.40	74.00	-31.60	Vertical	
7227.39	31.34	35.98	11.89	35.04	44.17	74.00	-29.83	Vertical	
1777.65	36.51	25.53	5.92	37.09	30.87	74.00	-43.13	Horizontal	
3690.85	47.42	29.02	8.37	38.25	46.56	74.00	-27.44	Horizontal	
4933.50	38.21	31.16	9.63	36.59	42.41	74.00	-31.59	Horizontal	
7394.88	34.10	36.12	12.06	34.83	47.45	74.00	-26.55	Horizontal	

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

802.11n(H40)		CH03							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1828.13	36.78	25.67	6.00	37.16	31.29	74.00	-42.71	Vertical	Peak
3634.91	37.42	28.94	8.31	38.26	36.41	74.00	-37.59	Vertical	
4846.37	36.24	31.11	9.57	36.83	40.09	74.00	-33.91	Vertical	
7264.28	31.90	36.02	11.93	35.00	44.85	74.00	-29.15	Vertical	
1823.48	36.04	25.65	6.00	37.16	30.53	74.00	-43.47	Horizontal	
3634.91	37.97	28.94	8.31	38.26	36.96	74.00	-37.04	Horizontal	
4846.37	33.38	31.11	9.57	36.83	37.23	74.00	-36.77	Horizontal	
7264.28	31.59	36.02	11.93	35.00	44.54	74.00	-29.46	Horizontal	

802.11n(H40)		CH06							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1737.38	37.40	25.41	5.84	37.01	31.64	74.00	-42.36	Vertical	Peak
3662.78	38.81	28.97	8.34	38.26	37.86	74.00	-36.14	Vertical	
4883.52	41.66	31.14	9.59	36.73	45.66	74.00	-28.34	Vertical	
7319.96	32.75	36.07	11.99	34.92	45.89	74.00	-28.11	Vertical	
1814.22	36.67	25.62	5.98	37.15	31.12	74.00	-42.88	Horizontal	
3662.78	42.54	28.97	8.34	38.26	41.59	74.00	-32.41	Horizontal	
4871.10	36.16	31.13	9.59	36.76	40.12	74.00	-33.88	Horizontal	
7319.96	32.90	36.07	11.99	34.92	46.04	74.00	-27.96	Horizontal	

802.11n(H40)		CH09							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1828.13	36.90	25.67	6.00	37.16	31.41	74.00	-42.59	Vertical	Peak
3672.11	39.40	28.99	8.35	38.26	38.48	74.00	-35.52	Vertical	
4908.44	42.60	31.14	9.61	36.66	46.69	74.00	-27.31	Vertical	
7357.33	32.61	36.08	12.03	34.88	45.84	74.00	-28.16	Vertical	
1732.97	36.73	25.40	5.83	37.00	30.96	74.00	-43.04	Horizontal	
3672.11	45.10	28.99	8.35	38.26	44.18	74.00	-29.82	Horizontal	
4908.44	36.74	31.14	9.61	36.66	40.83	74.00	-33.17	Horizontal	
7357.33	32.23	36.08	12.03	34.88	45.46	74.00	-28.54	Horizontal	

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

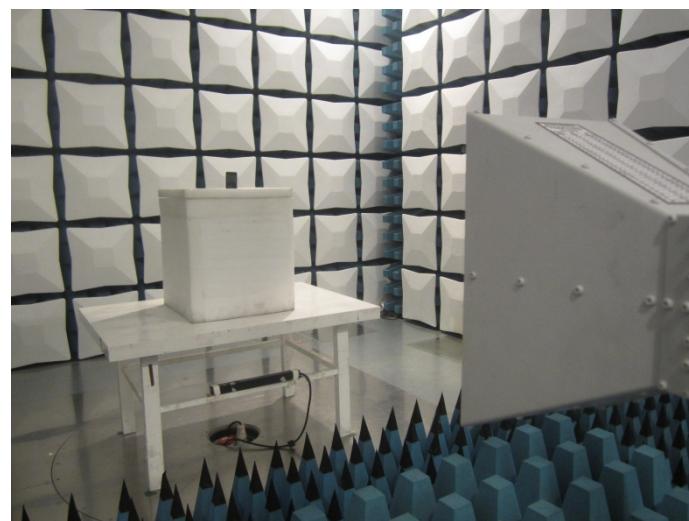
6. Test Setup Photos of the EUT

Conducted Emission



Radiated Emission





7. External and Internal Photos of the EUT

Reference to Test Report No.: TRE1612016401.

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