FCC RADIO TEST REPORT
FCC ID: SDSHFCAG1302M

Product：	HFC Canna
Trade Name：	N/A
Model Name：	G10CAC08-H-00
Serial Model：	G07CAC08-H-00
Report No.：	NTEK-2013NT0319055F

Prepared for

HF Century Technology (Beijing) Limited co.

1214 Building #3,ZGC Software Park Beijing P.R.China 100193

Prepared by

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Website:www.ntek.org.cn

TEST RESULT CERTIFICATION

Applicant's name	:	HF Century Technology (Beijing) Limited co.
Address	:	1214 Building #3,ZGC Software Park Beijing P.R.China 100193
Manufacture's Name	:	HF Century Technology (Beijing) Limited co.
Address	:	1214 Building #3,ZGC Software Park Beijing P.R.China 100193

Product description

Product name	:	HFC Canna
Model and/or type reference	:	G10CAC08-H-00
Serial Model：		G07CAC08-H-00
Standards	:	FCC Part15.247
Test procedure		ANSI C63.4-2003

This device described above has been tested by NTEK, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Date of Test	:	
Date (s) of performance of tests	:	06 Mar. 2013 ~15 Mar. 2013
Date of Issue	:	18 Mar. 2013
Test Result	:	**Pass**

Testing Engineer : Apple Huang

(Apple Huang)

Technical Manager : Tom Zhang

(Tom Zhang)

Authorized Signatory : Bovey Yang

(Bovey Yang)

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1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 (15.247) , Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	
15.247 (a)(2)	6dB Bandwidth	PASS	
15.247 (b)	Peak Output Power	PASS	
15.247 (c)	Radiated Spurious Emission	PASS	
15.247 (d)	Power Spectral Density	PASS	
15.205	Band Edge Emission	PASS	
15.203	Antenna Requirement	PASS	

NOTE:

(1)” N/A” denotes test is not applicable in this Test Report

1.1 TEST FACILITY

NTEK Testing Technology Co., Ltd
Add. : 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen P.R. China.
FCC Registration No.:238937; IC Registration No.:9270A-1
CNAS Registration No.:L5516

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y ± U**，where expended uncertainty **U** is based on a standard uncertainty multiplied by a coverage factor of **k=2**，providing a level of confidence of approximately **95** %。

No.	Item	Uncertainty
1	Conducted Emission Test	±1.38dB
2	RF power,conducted	±0.16dB
3	Spurious emissions,conducted	±0.21dB
4	All emissions,radiated(<1G)	±4.68dB
5	All emissions,radiated(>1G)	±4.89dB
6	Temperature	±0.5°C
7	Humidity	±2%

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

<table>
<tr><td>Equipment</td><td>HFC Canna</td></tr>
<tr><td>Trade Name</td><td>N/A</td></tr>
<tr><td>Model Name</td><td>G10CAC08-H-00</td></tr>
<tr><td>Serial Model</td><td>G07CAC08-H-00</td></tr>
<tr><td>Model Difference</td><td>All the model are the same circuit and RF module,
except the model name.</td></tr>
<tr><td>Product Description</td><td>The EUT is a HFC Canna
<table>
<tr><td>Operation Frequency:</td><td>2412~2462 MHz</td></tr>
<tr><td>Modulation Type:</td><td>CCK/OFDM/DBPSK/DAPSK</td></tr>
<tr><td>Bit Rate of Transmitter</td><td>802.11b:11/5.5/2/1 Mbps
802.11g:54/48/36/24/18/12/9/6 Mbps
802.11n:150/144.44/130/117/115.56/ 104/86.67/78/52/6.5 Mbps</td></tr>
<tr><td>Number Of Channel</td><td>11 CH, Please see Note 2.</td></tr>
<tr><td>Antenna Designation:</td><td>Please see Note 3.</td></tr>
<tr><td>Output Power(Conducted):</td><td>802.11b: 16.54 dBm (Max.)
802.11g: 14.71 dBm (Max.)
802.11n: 14.56 dBm (Max.)</td></tr>
<tr><td>Antenna Gain (dBi)</td><td>1.3dbi</td></tr>
<tr><td>EIRP</td><td>802.11b: 17.84 dBm (Max.)
802.11g: 16.01 dBm (Max.)
802.11n: 15.86 dBm (Max.)</td></tr>
</table>
More details of EUT technical specification, please refer to the User's Manual.</td></tr>
<tr><td>Channel List</td><td>Please refer to the Note 2.</td></tr>
<tr><td>Power</td><td>AC/DC Adapter
Model:YGY-052000
Input:100-240V~,50/60Hz,0.5A
Output:DC 5V,2.0A</td></tr>
<tr><td>Battery</td><td>N/A</td></tr>
<tr><td>Connecting I/O Port(s)</td><td>Please refer to the User's Manual</td></tr>
</table>

Note :

1. For a more detailed features description, please refer to the manufacturer’s specifications or the User's Manual.

2.

Channel List for 802.11b/g/n(20MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

3.

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
	N/A	N/A	PCB antenna	N/A	1.3	N/A

2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	802.11b CH1/ CH6/ CH11
Mode 2	802.11g CH1/ CH6/ CH11
Mode 3	802.11n CH1/ CH6/ CH11
Mode 4	NORMAL LINK

For Conducted Emission	
Final Test Mode	Description
Mode 4	NORMAL LINK

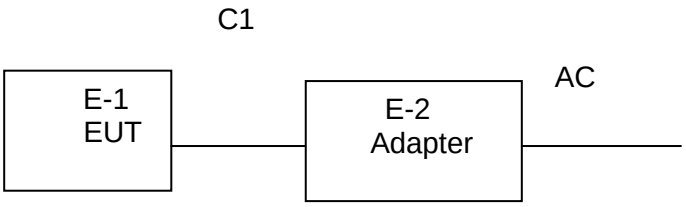
For Radiated Emission	
Final Test Mode	Description
Mode 1	802.11b CH1/ CH6/ CH11
Mode 2	802.11g CH1/ CH6/ CH11
Mode 3	802.11n CH1/ CH6/ CH11

Note:

(1) The measurements are performed at the highest, middle, lowest available channels.

(2) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	HFC Canna	N/A	G10CAC08-H-00	N/A	EUT
E-2	Adapter	N/A	YGY-052000	N/A	

Item	Shielded Type	Ferrite Core	Length	Note
C1	NO	NO	0.8M	

Note:

(1) The support equipment was authorized by Declaration of Confirmation.
(2) For detachable type I/O cable should be specified the length in cm in『Length』column.
(3) The control frame can control transmit of EUT by PC(USB).

2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	Agilent	E4407B	160400005	Jul. 06. 2013
2	Test Receiver	R&S	ESPI	101318	Jul. 06. 2013
3	Bilog Antenna	TESEQ	CBL6111D	31216	Jul. 06. 2013
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264416	Jul. 06. 2013
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	Jul. 06. 2013
6	Horn Antenna	EM	EM-AH-10180	2011071402	Jul. 06. 2013
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	Jul. 06. 2013
8	Amplifier	EM	EM-30180	060538	Jul. 06. 2013
9	Loop Antenna	ARA	PLA-1030/B	1029	Jul. 06. 2013
10	Power Meter	R&S	NRVS	100696	Jul. 06. 2013

Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Test Receiver	R&S	ESCI	101160	Jul. 06. 2013
2	LISN	R&S	ENV216	101313	Jul. 06. 2013
3	LISN	EMCO	3816/2	00042990	Jul. 06. 2013
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264417	Jul. 06. 2013
5	Passive Voltage Probe	R&S	ESH2-Z3	100196	Jul. 06. 2013
6	Absorbing clamp	R&S	MOS-21	100423	Jul. 06. 2013

3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)		Standard
	Quasi-peak	Average	Quasi-peak	Average	
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	CISPR
0.50 -5.0	73.00	60.00	56.00	46.00	CISPR
5.0 -30.0	73.00	60.00	60.00	50.00	CISPR

0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	73.00	60.00	56.00	46.00	FCC
5.0 -30.0	73.00	60.00	60.00	50.00	FCC

Note:

(1) The tighter limit applies at the band edges.

(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

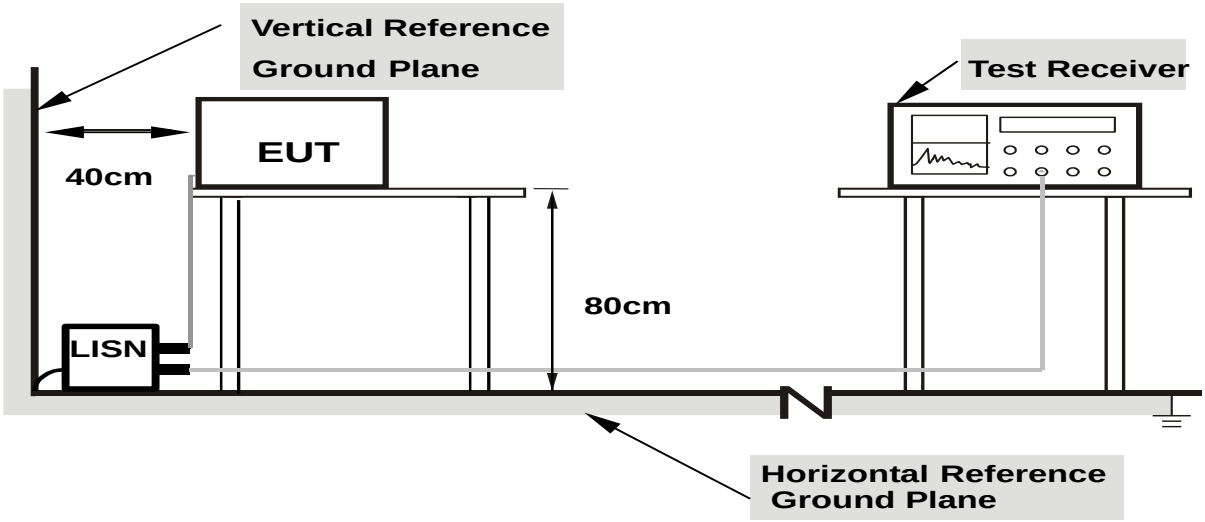
3.1.2 TEST PROCEDURE

a. The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
d. LISN at least 80 cm from nearest part of EUT chassis.
e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 DEVIATION FROM TEST STANDARD

No deviation

3.1.4 TEST SETUP



Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.1.5 EUT OPERATING CONDITIONS

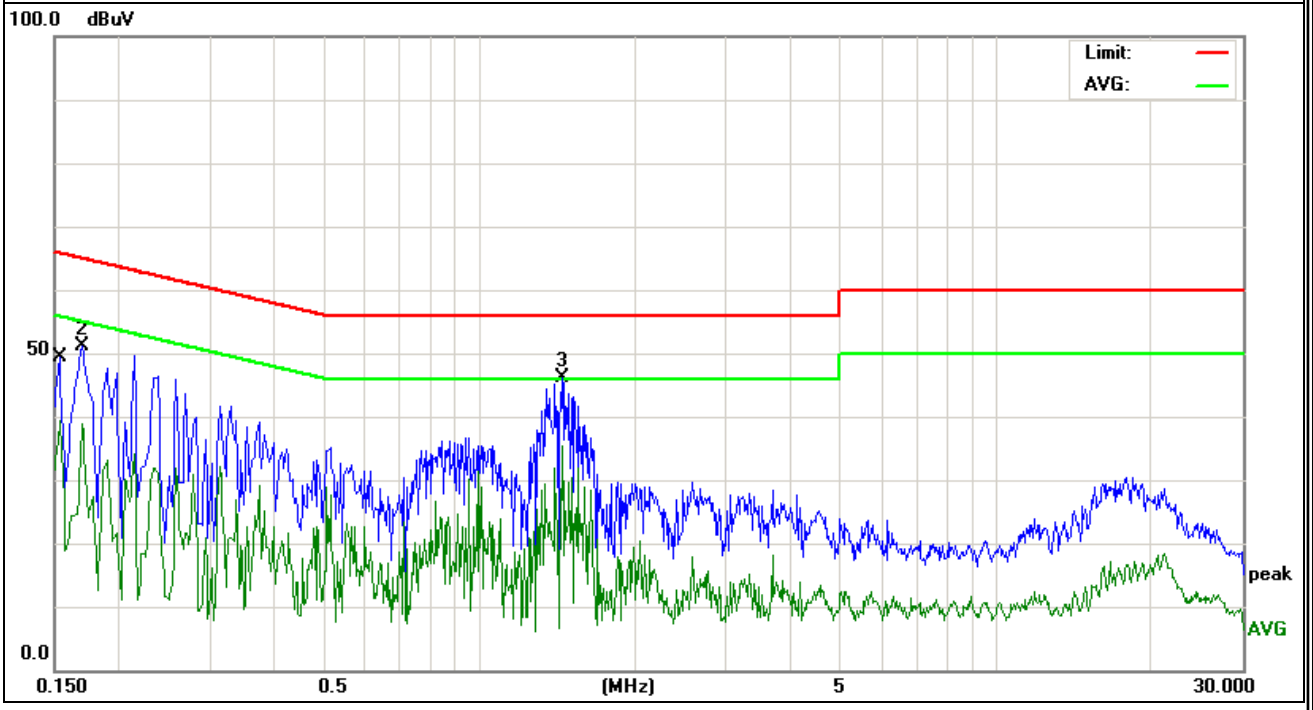
The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

3.1.6 TEST RESULTS

EUT：	HFC Canna	Model Name. ：	G10CAC08-H-00
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz	Test Mode：	Mode 4

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1539	28.25	11.03	39.28	55.78	-16.5	AVG
0.17	40.77	10.35	51.12	64.96	-13.84	peak
1.446	35.62	10.45	46.07	56	-9.93	peak
1.446	25.01	10.45	35.46	46	-10.54	AVG

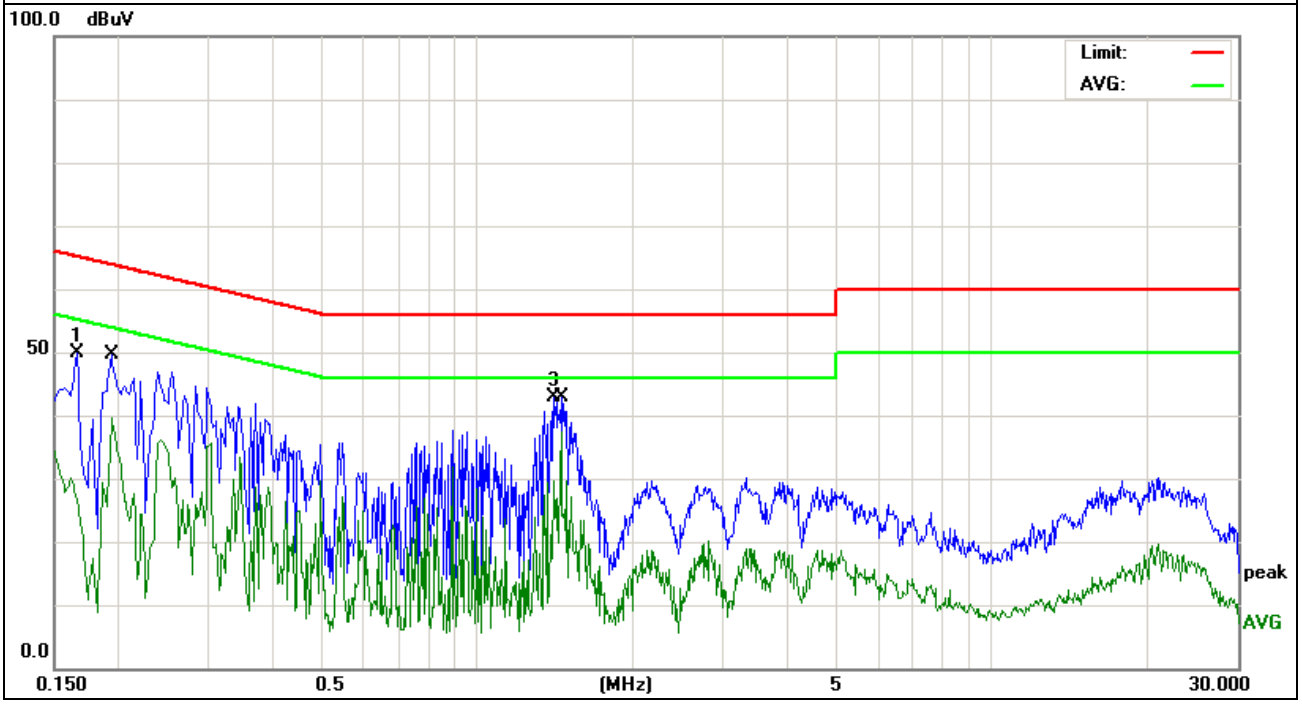
Remark:
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



EUT：	HFC Canna	Model Name. ：	G10CAC08-H-00
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz	Test Mode：	Mode 4

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.166	39.39	10.45	49.84	65.15	-15.31	peak
0.194	29.18	10.44	39.62	53.86	-14.24	AVG
1.406	32.55	10.41	42.96	56	-13.04	peak
1.45	27.07	10.41	37.48	46	-8.52	AVG

Remark:
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 RADIATED EMISSION LIMITS (Frequency Range 9kHz-1000MHz)

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Class A (dBuV/m) (at 3M)		Class B (dBuV/m) (at 3M)	
	PEAK	AVERAGE	PEAK	AVERAGE
Above 1000	80	60	74	54

Notes:

(1) The limit for radiated test was performed according to FCC PART 15C.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / *10Hz* for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

3.2.2 TEST PROCEDURE

a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

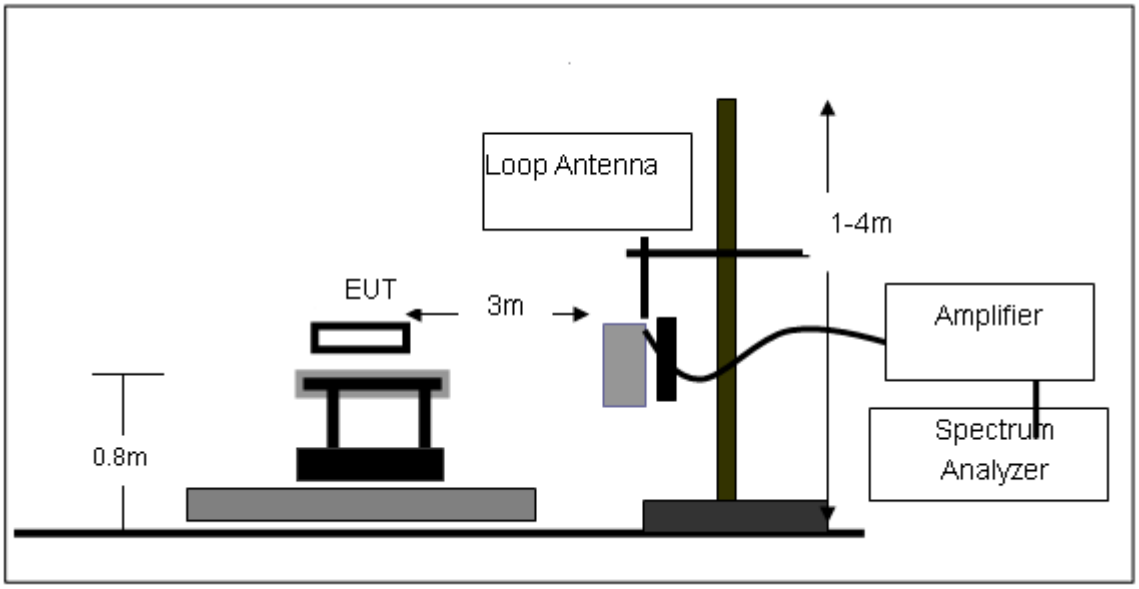
Both horizontal and vertical antenna polarities were tested
and performed pretest to three orthogonal axis. The worst case emissions were reported

3.2.3 DEVIATION FROM TEST STANDARD

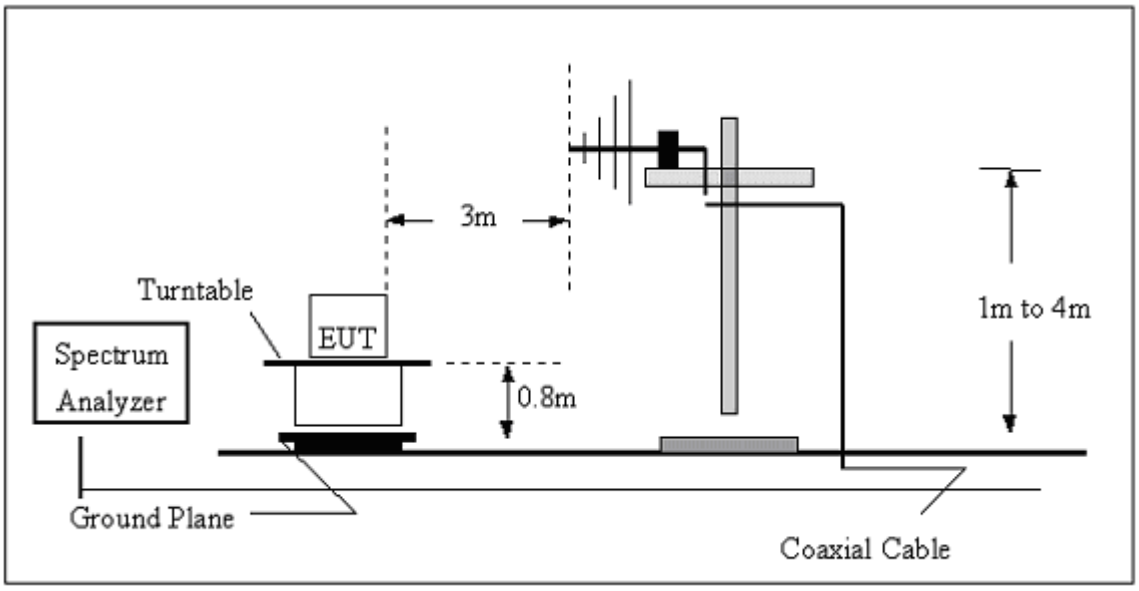
No deviation

3.2.4 TEST SETUP

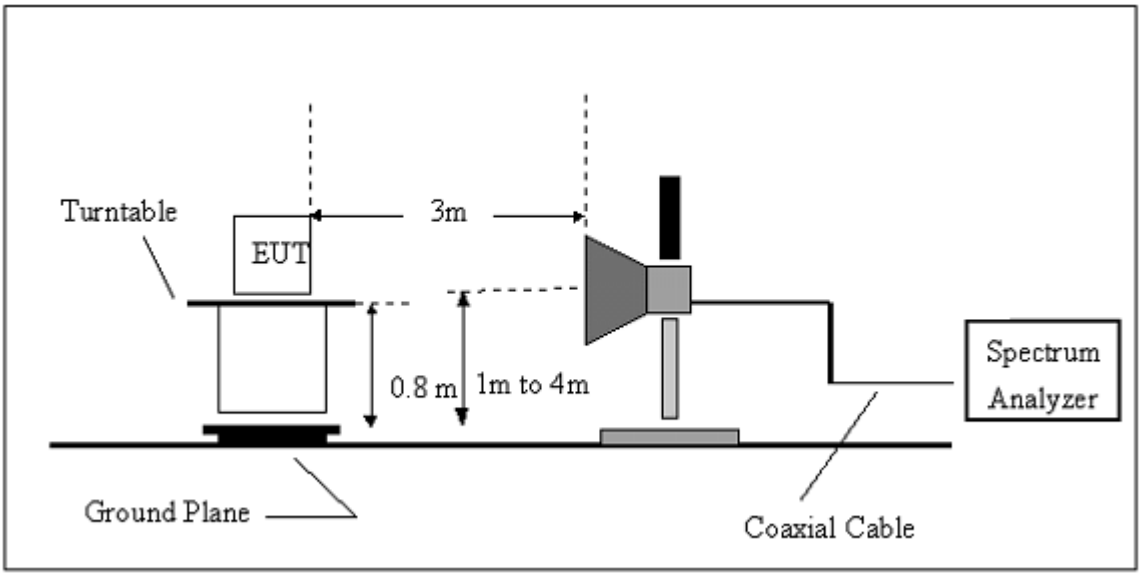
（A）Radiated Emission Test-Up Frequency Below 30MHz



（B）Radiated Emission Test-Up Frequency 30MHz~1GHz



（C）Radiated Emission Test-Up Frequency Above 1GHz



3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

3.2.6 TEST RESULTS (BETWEEN 9KHZ – 30 MHZ)

EUT：	HFC Canna	Model Name. ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	TX	Polarization :	--

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
--	--	--	--	PASS
--	--	--	--	PASS

NOTE:

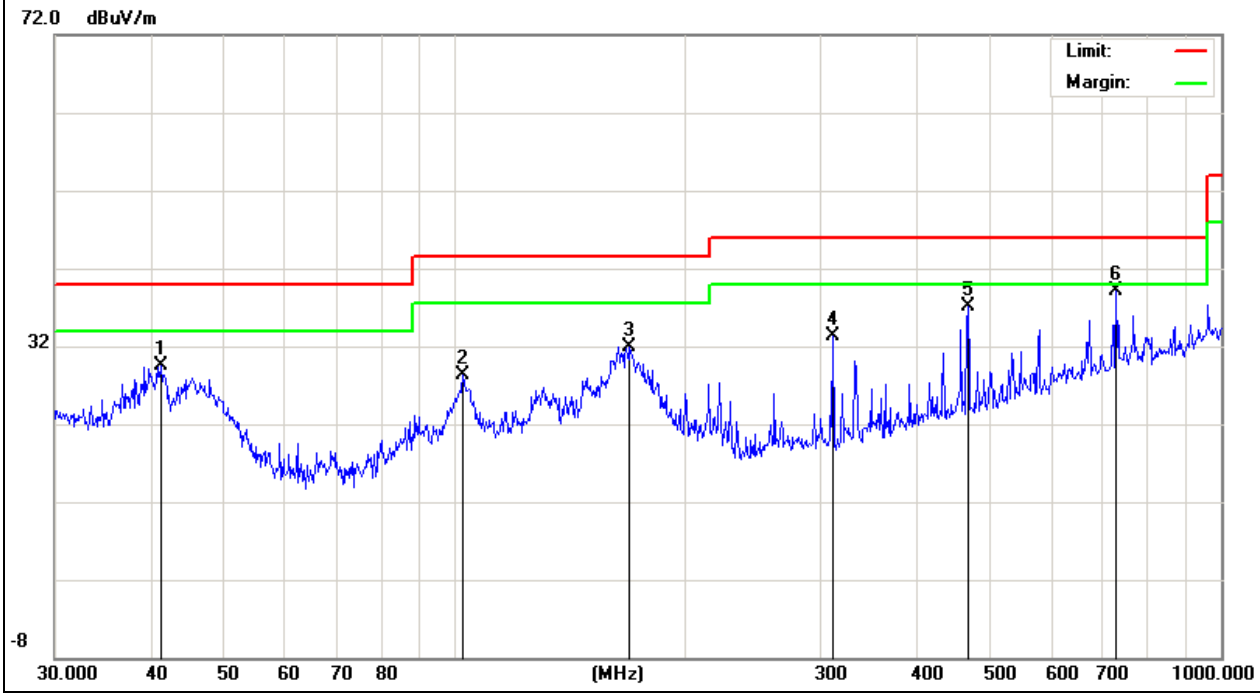
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
Distance extrapolation factor =20 log (specific distance/test distance)(dB);
Limit line = specific limits(dBuv) + distance extrapolation factor.

3.2.7 TEST RESULTS (BETWEEN 30MHZ – 1GHZ)

EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	TX	Polarization：	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
41.2765	16.78	12.63	29.41	40	-10.59	QP
102.3597	17.57	10.79	28.36	43.5	-15.14	QP
169.0054	21.83	10.11	31.94	43.5	-11.56	QP
311.0867	18.74	14.61	33.35	46	-12.65	QP
467.2349	18.54	18.49	37.03	46	-8.97	QP
729.3583	15.28	23.86	39.14	46	-6.86	QP

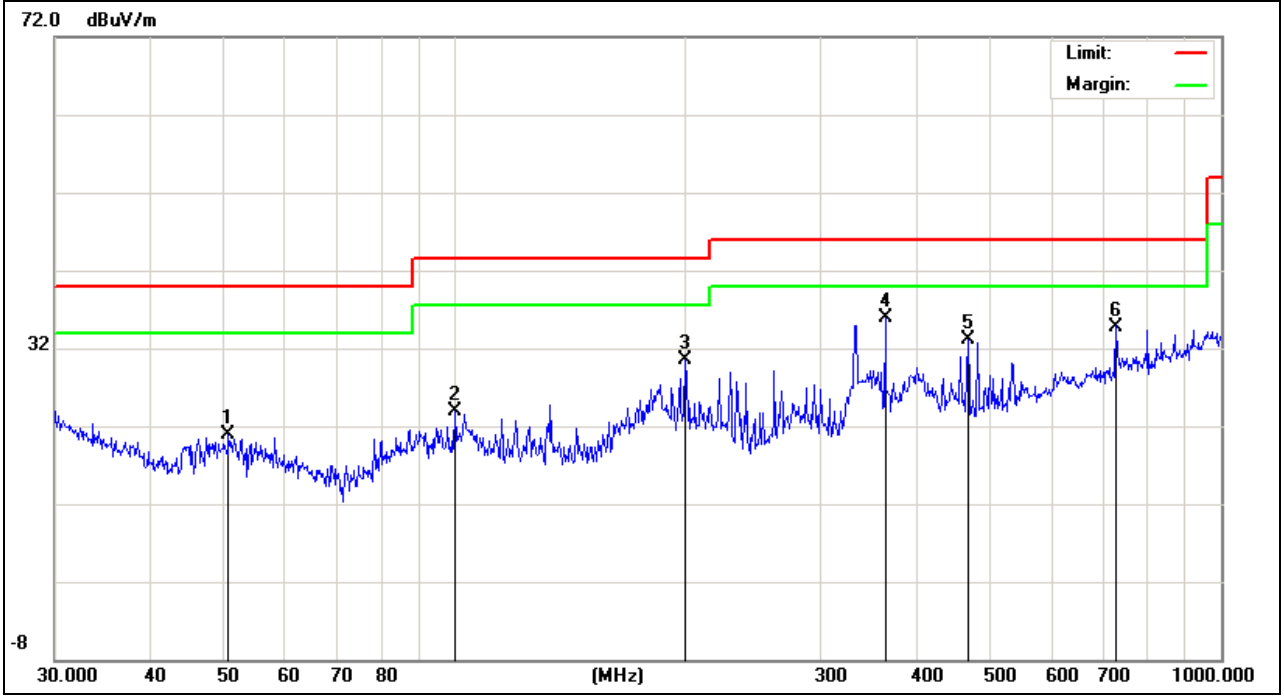
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	TX	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
50.586	12.99	7.9	20.89	40	-19.11	QP
99.8777	13.32	10.63	23.95	43.5	-19.55	QP
199.2855	21.75	8.71	30.46	43.5	-13.04	QP
364.2595	20.12	15.7	35.82	46	-10.18	QP
467.2349	14.56	18.49	33.05	46	-12.95	QP
729.3583	10.94	23.86	34.8	46	-11.2	QP

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

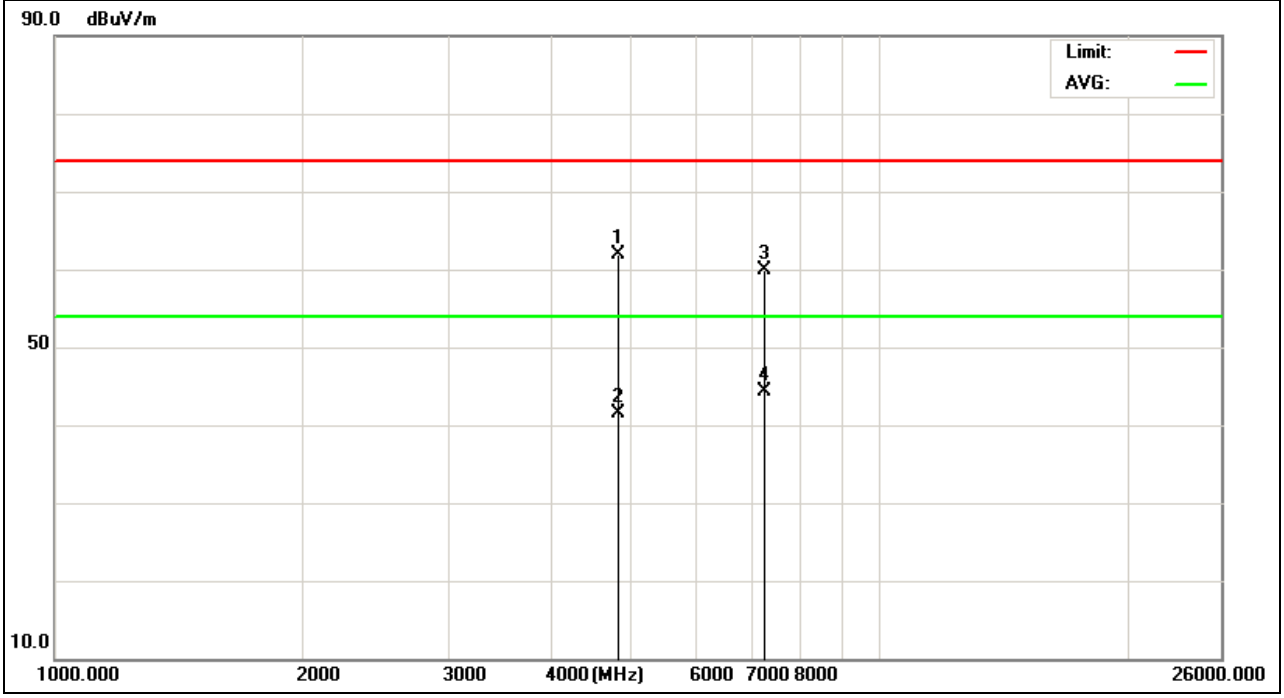


3.2.8 TEST RESULTS (ABOVE 1000 MHZ)

EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH1 (802.11b Mode)	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	59.33	2.6	61.93	74	-12.07	peak
4824	38.88	2.6	41.48	54	-12.52	AVG
7236	55.26	4.59	59.85	74	-14.15	peak
7236	39.67	4.59	44.26	54	-9.74	AVG

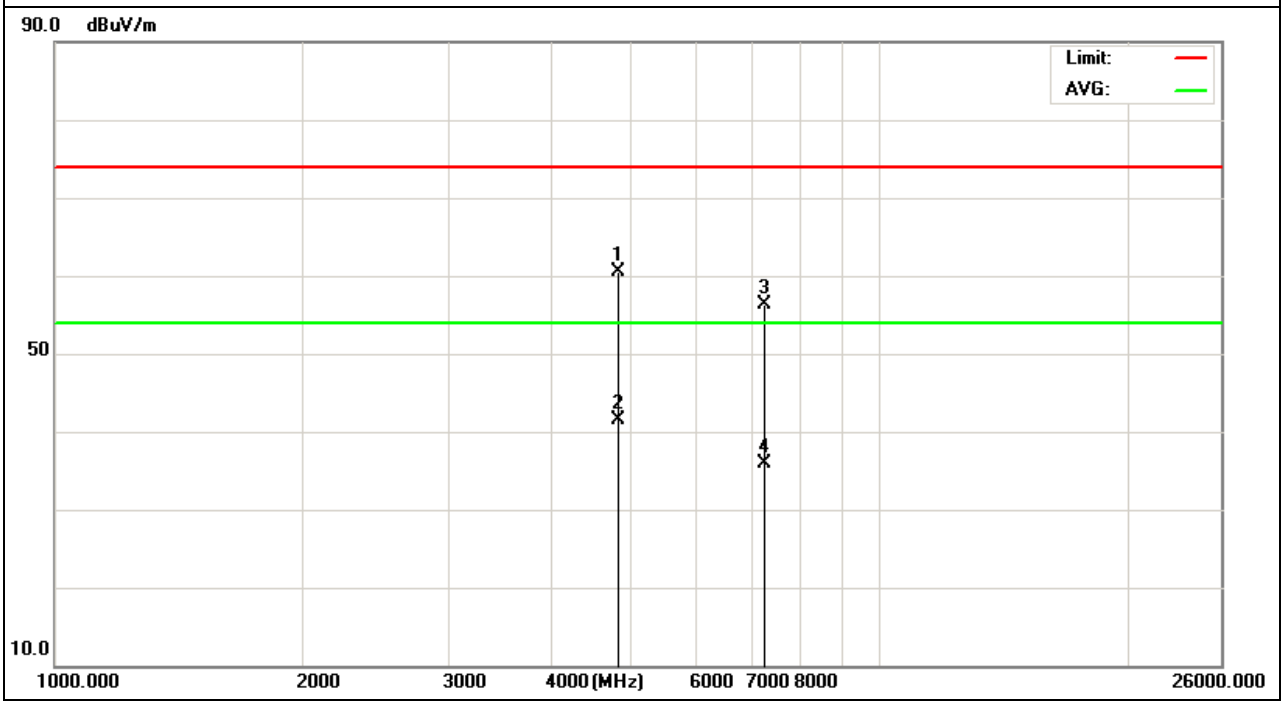
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH1 (802.11b Mode)	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	57.89	2.6	60.49	74	-13.51	peak
4824	38.87	2.6	41.47	54	-12.53	AVG
7236	51.69	4.59	56.28	74	-17.72	peak
7236	31.24	4.59	35.83	54	-18.17	AVG

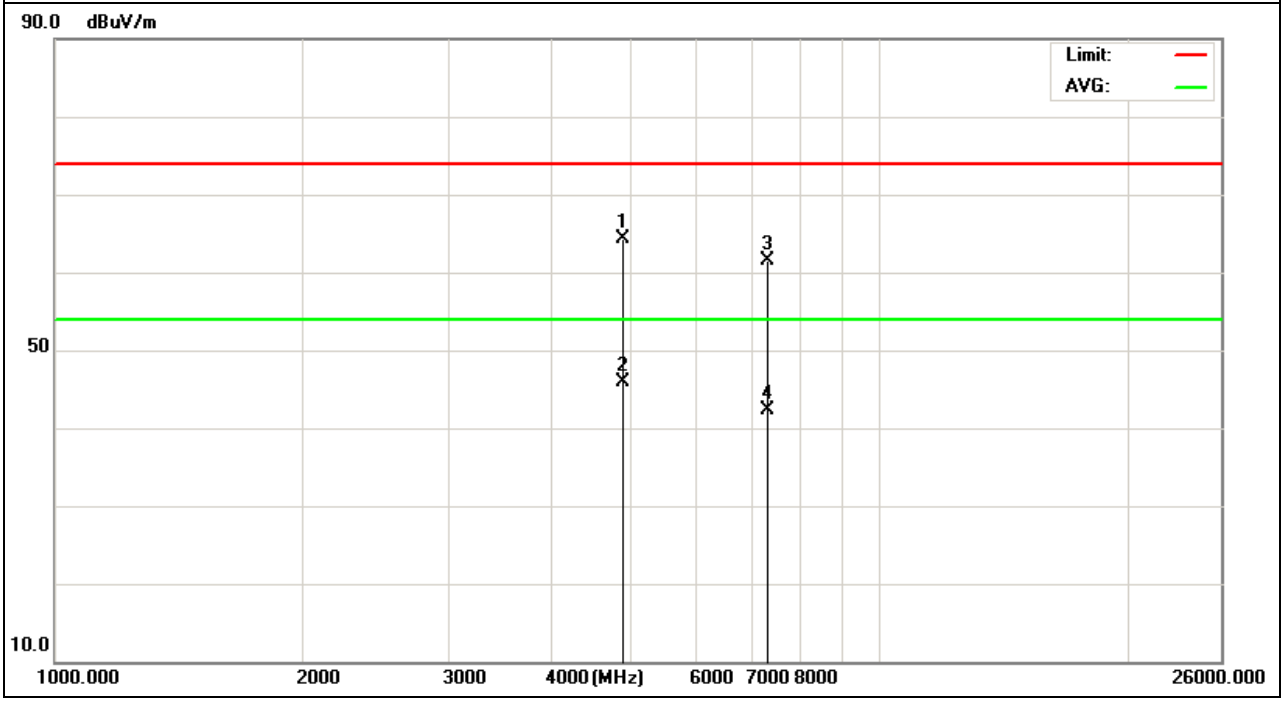
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH6 (802.11b Mode)	Polarization：	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874	61.66	2.6	64.26	74	-9.74	peak
4874	43.32	2.6	45.92	54	-8.08	AVG
7311	56.67	4.93	61.6	74	-12.4	peak
7311	37.36	4.93	42.29	54	-11.71	AVG

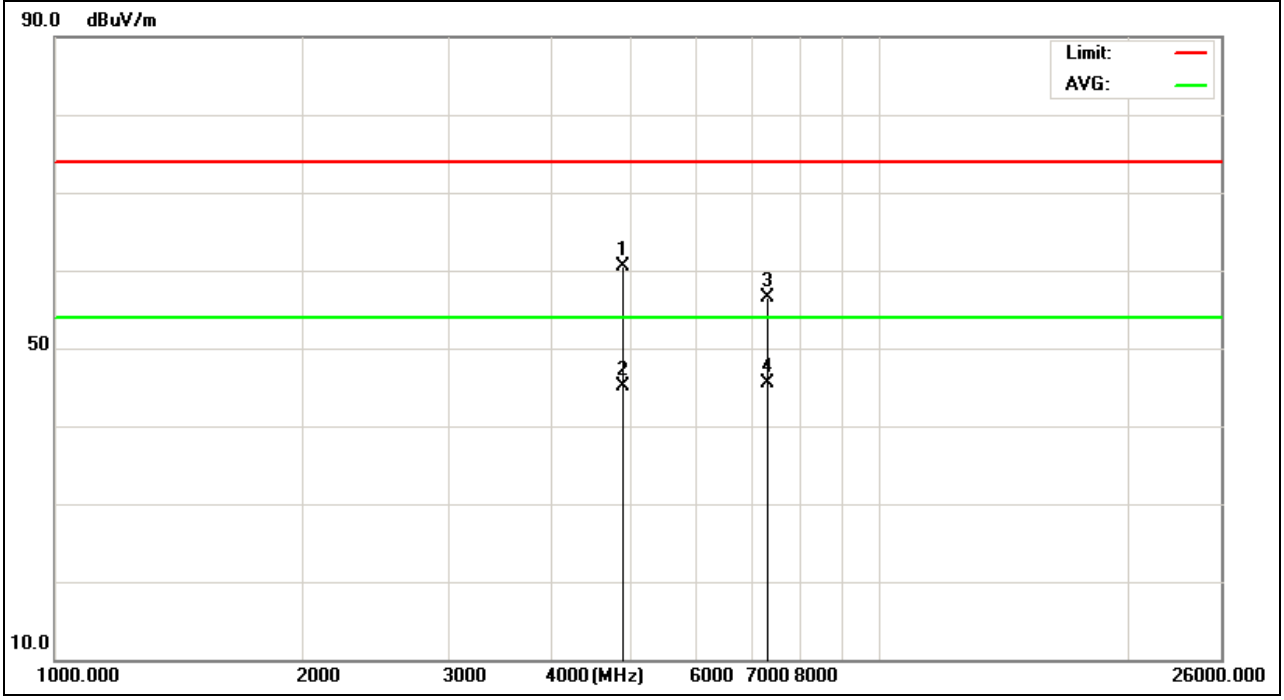
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH6 (802.11b Mode)	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874	57.89	2.6	60.49	74	-13.51	peak
4874	42.42	2.6	45.02	54	-8.98	AVG
7311	51.55	4.93	56.48	74	-17.52	peak
7311	40.56	4.93	45.49	54	-8.51	AVG

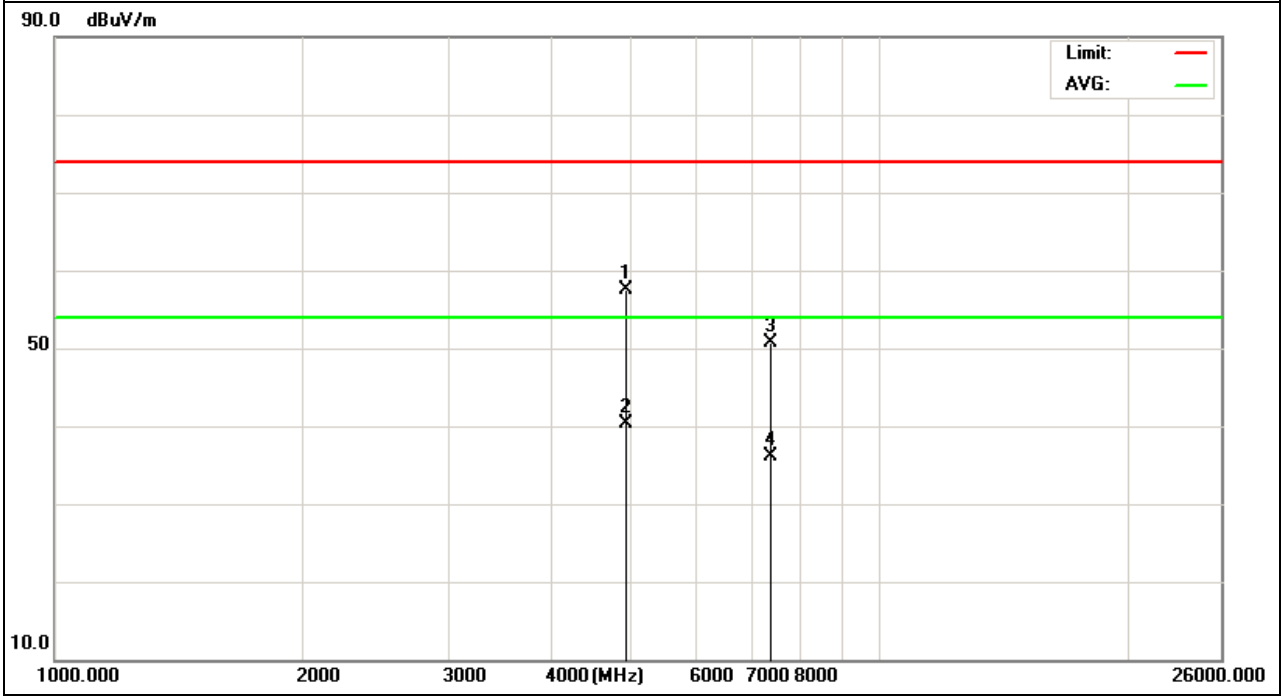
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH11 (802.11b Mode)	Polarization：	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4924	54.77	2.64	57.41	74	-16.59	peak
4924	37.76	2.64	40.4	54	-13.6	AVG
7386	45.88	4.83	50.71	74	-23.29	peak
7386	31.22	4.83	36.05	54	-17.95	AVG

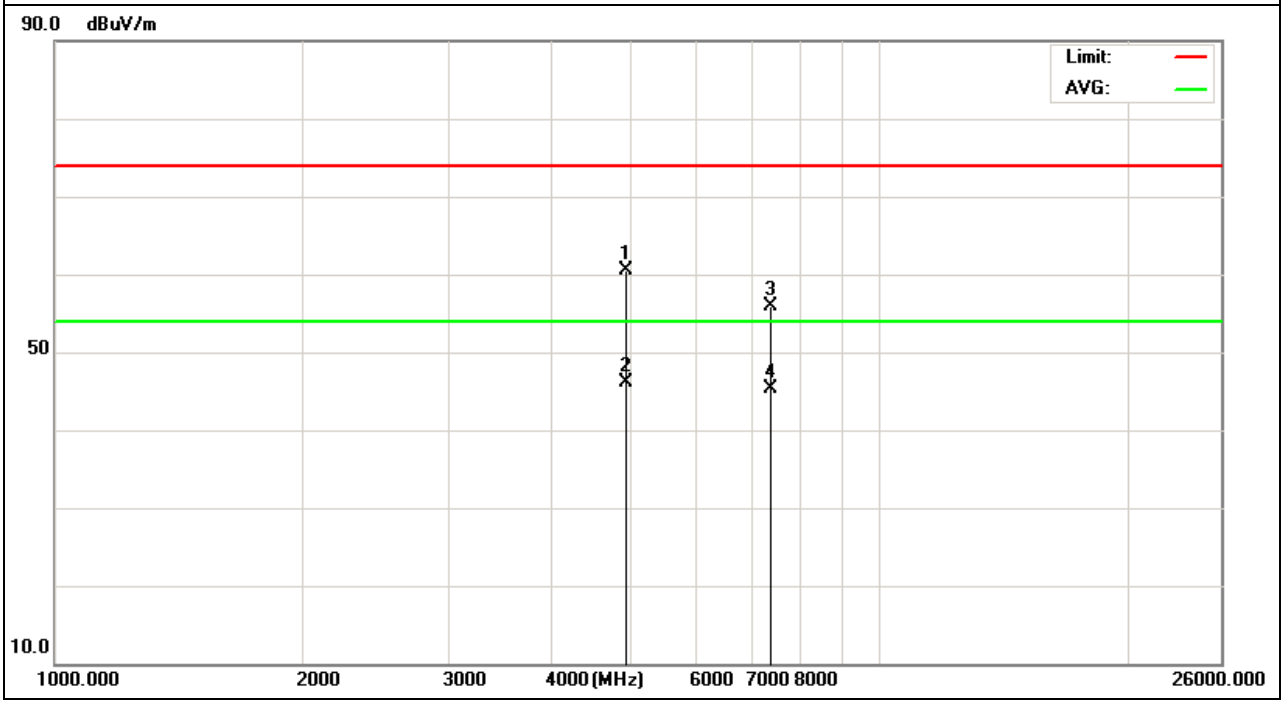
Remark:
1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. No emission detected above 18GHz



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH11 (802.11b Mode)	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4924	57.89	2.64	60.53	74	-13.47	peak
4924	43.45	2.64	46.09	54	-7.91	AVG
7386	51.09	4.83	55.92	74	-18.08	peak
7386	40.44	4.83	45.27	54	-8.73	AVG

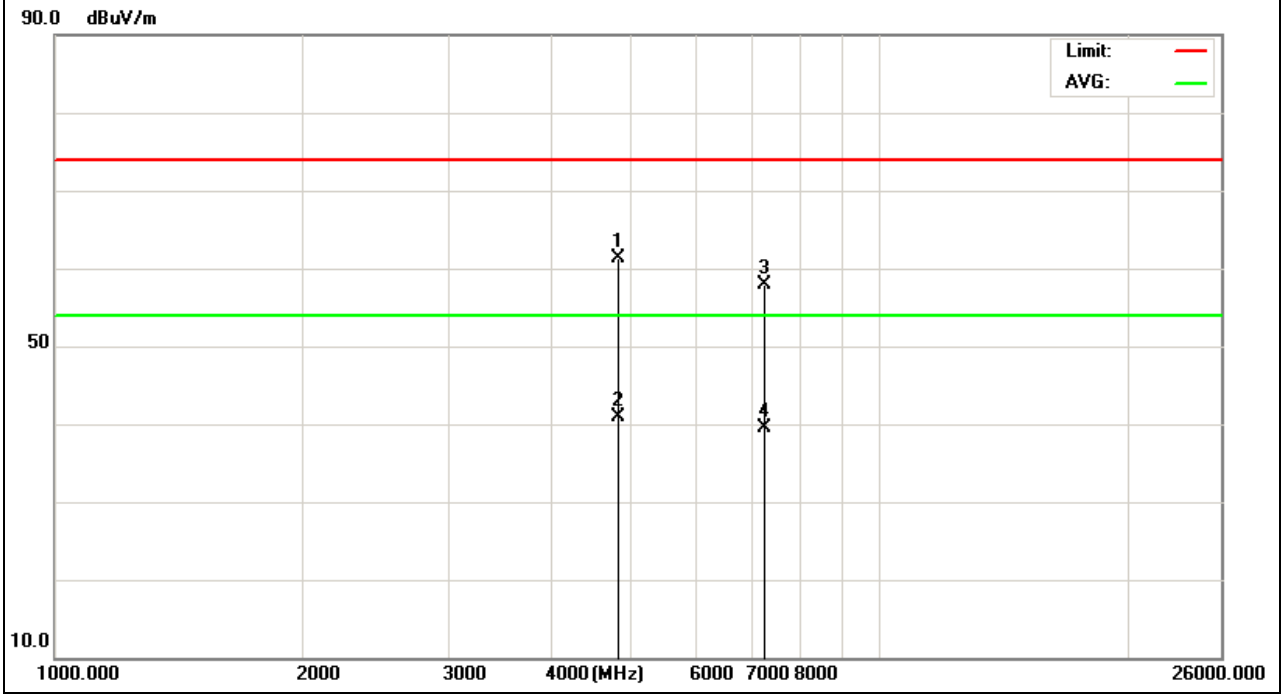
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH1 (802.11g Mode)	Polarization：	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824	58.78	2.6	61.38	74	-12.62	peak
4824	38.32	2.6	40.92	54	-13.08	AVG
7236	53.36	4.59	57.95	74	-16.05	peak
7236	34.99	4.59	39.58	54	-14.42	AVG

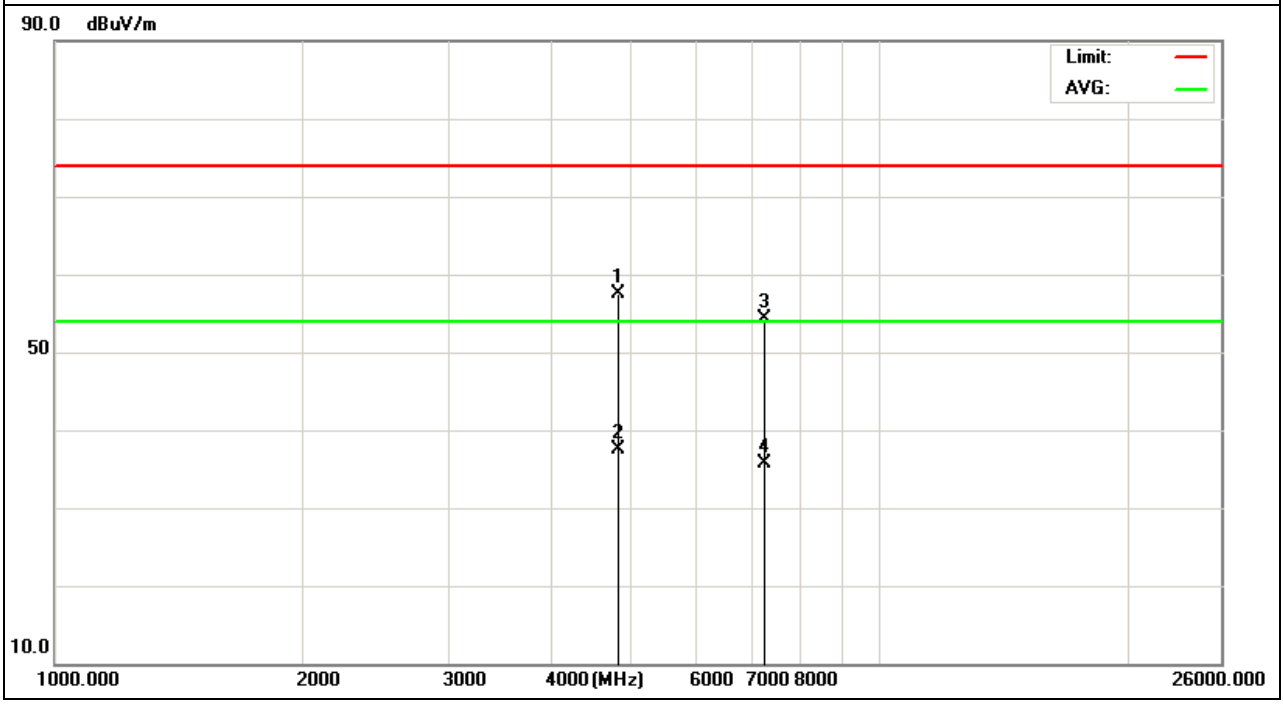
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH1 (802.11g Mode)	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	54.88	2.6	57.48	74	-16.52	peak
4824	34.87	2.6	37.47	54	-16.53	AVG
7236	49.78	4.59	54.37	74	-19.63	peak
7236	31.09	4.59	35.68	54	-18.32	AVG

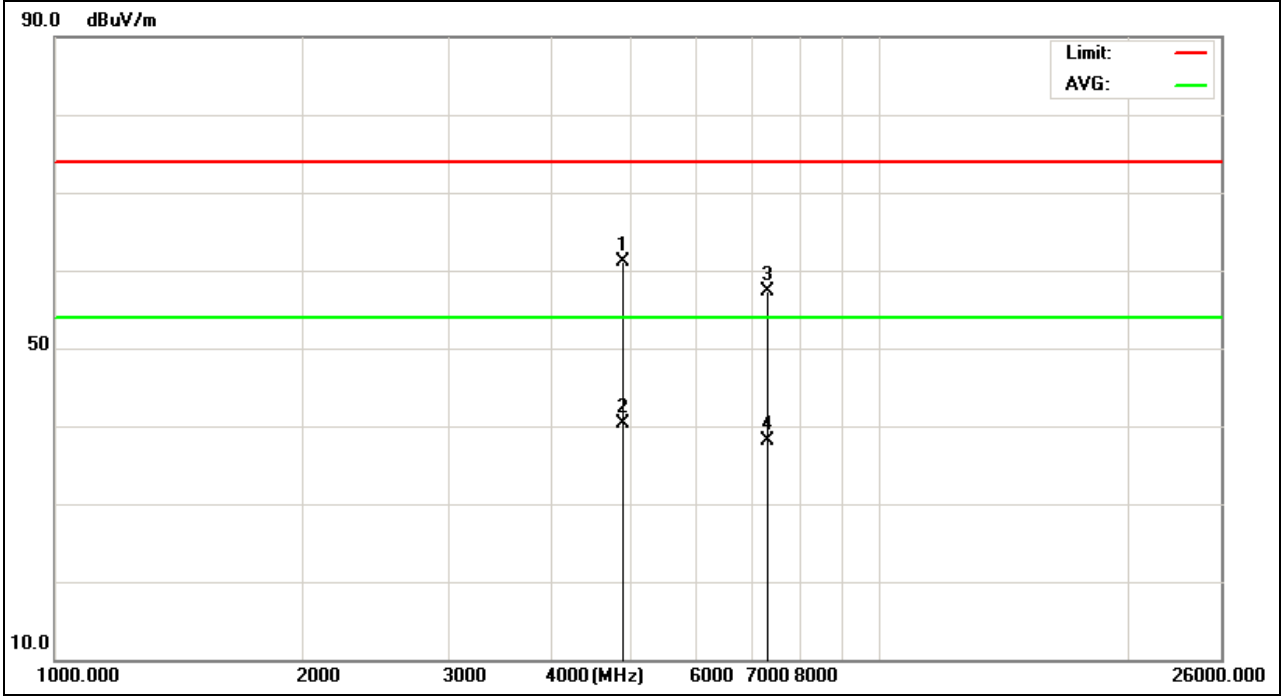
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH6 (802.11g Mode)	Polarization：	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874	58.54	2.57	61.11	74	-12.89	peak
4874	37.76	2.57	40.33	54	-13.67	AVG
7311	52.45	4.93	57.38	74	-16.62	peak
7311	33.12	4.93	38.05	54	-15.95	AVG

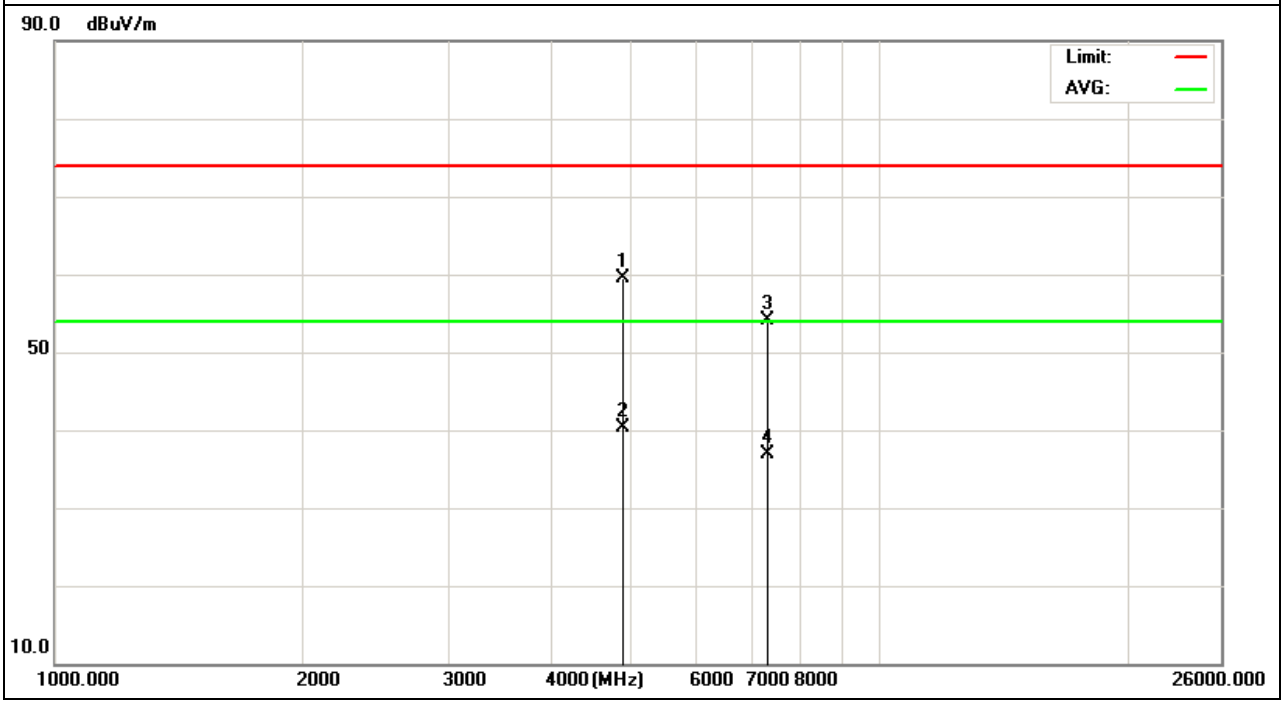
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH6 (802.11g Mode)	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874	56.95	2.6	59.55	74	-14.45	peak
4874	37.74	2.6	40.34	54	-13.66	AVG
7311	49.09	4.93	54.02	74	-19.98	peak
7311	31.89	4.93	36.82	54	-17.18	AVG

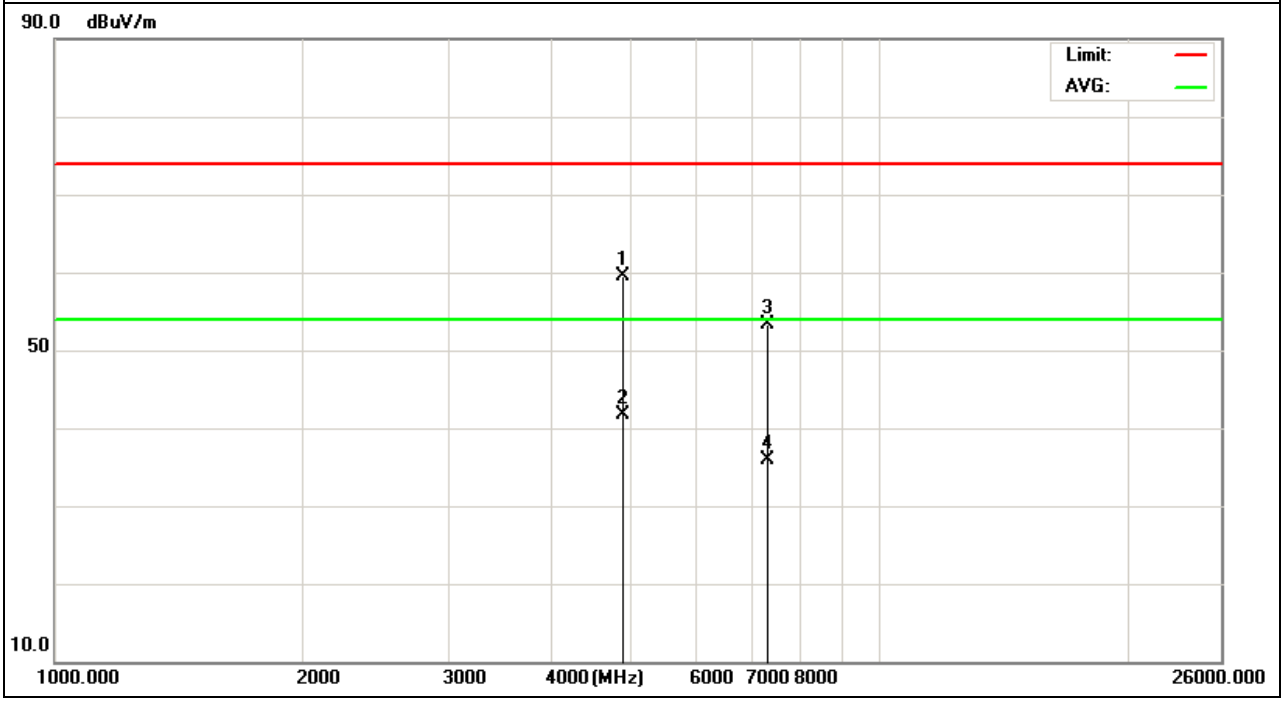
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH11 (802.11g Mode)	Polarization：	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924	56.85	2.6	59.45	74	-14.55	peak
4924	39.06	2.6	41.66	54	-12.34	AVG
7386	48.45	4.93	53.38	74	-20.62	peak
7386	30.88	4.93	35.81	54	-18.19	AVG

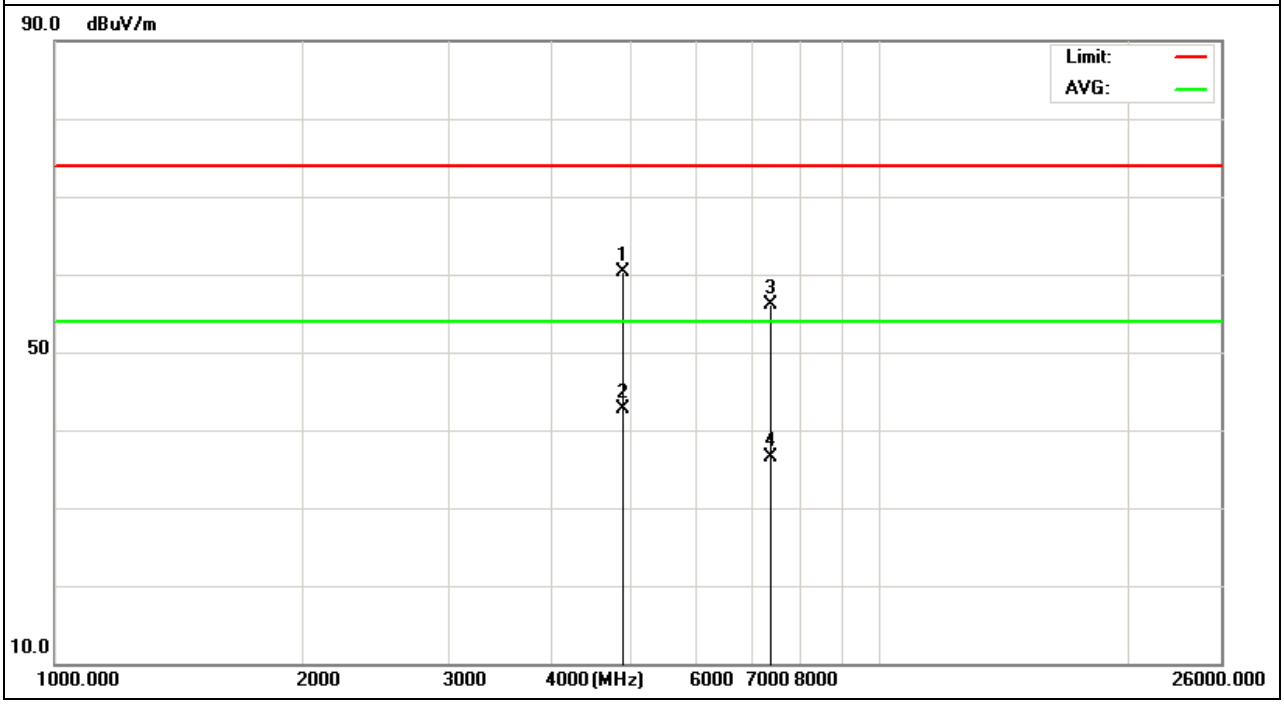
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH11(802.11g Mode)	Polarization：	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924	57.79	2.6	60.39	74	-13.61	peak
4924	40.02	2.6	42.62	54	-11.38	AVG
7386	51.22	4.83	56.05	74	-17.95	peak
7386	31.76	4.83	36.59	54	-17.41	AVG

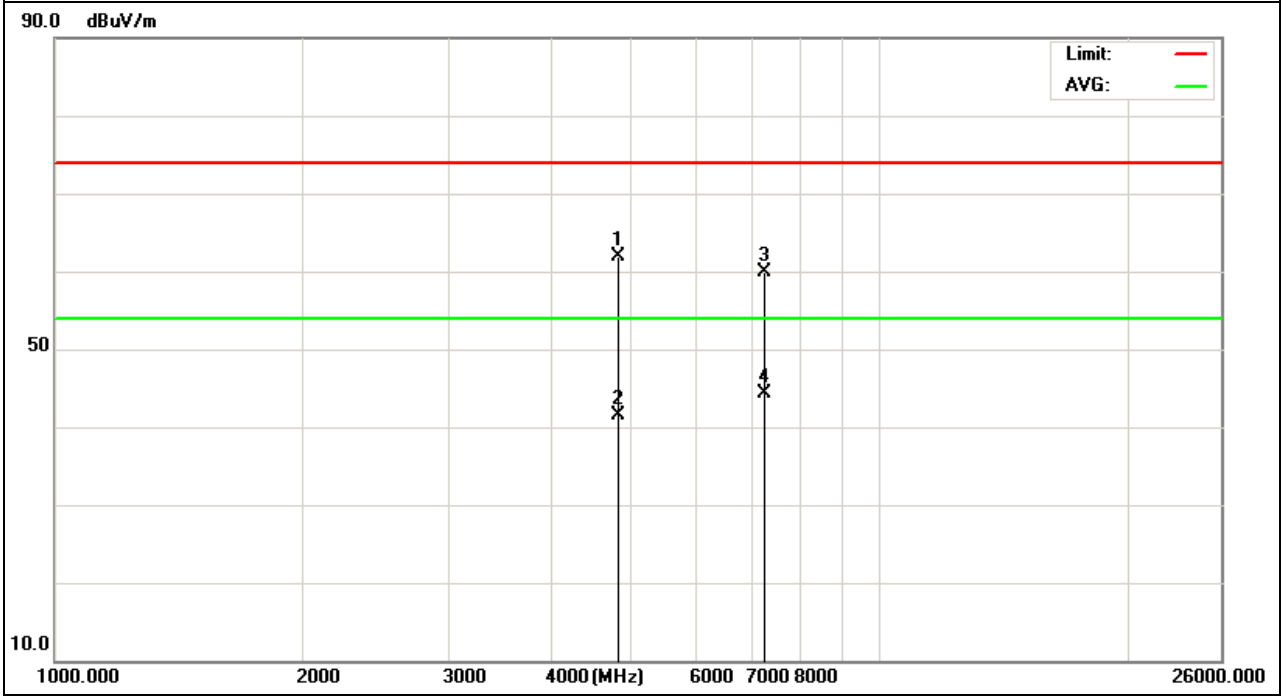
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH1 (802.11n/20M Mode)	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	59.33	2.6	61.93	74	-12.07	peak
4824	38.88	2.6	41.48	54	-12.52	AVG
7236	55.26	4.59	59.85	74	-14.15	peak
7236	39.67	4.59	44.26	54	-9.74	AVG

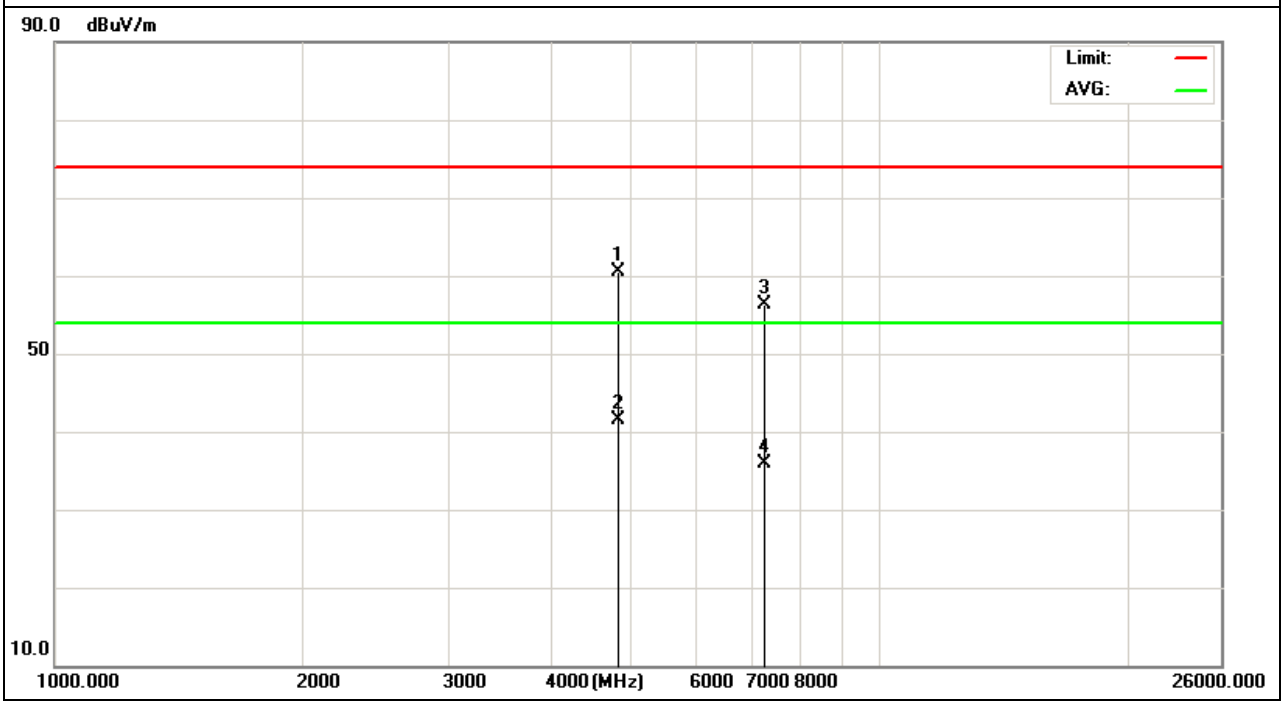
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH1 (802.11n/20M Mode)	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824	57.89	2.6	60.49	74	-13.51	peak
4824	38.87	2.6	41.47	54	-12.53	AVG
7236	51.69	4.59	56.28	74	-17.72	peak
7236	31.24	4.59	35.83	54	-18.17	AVG

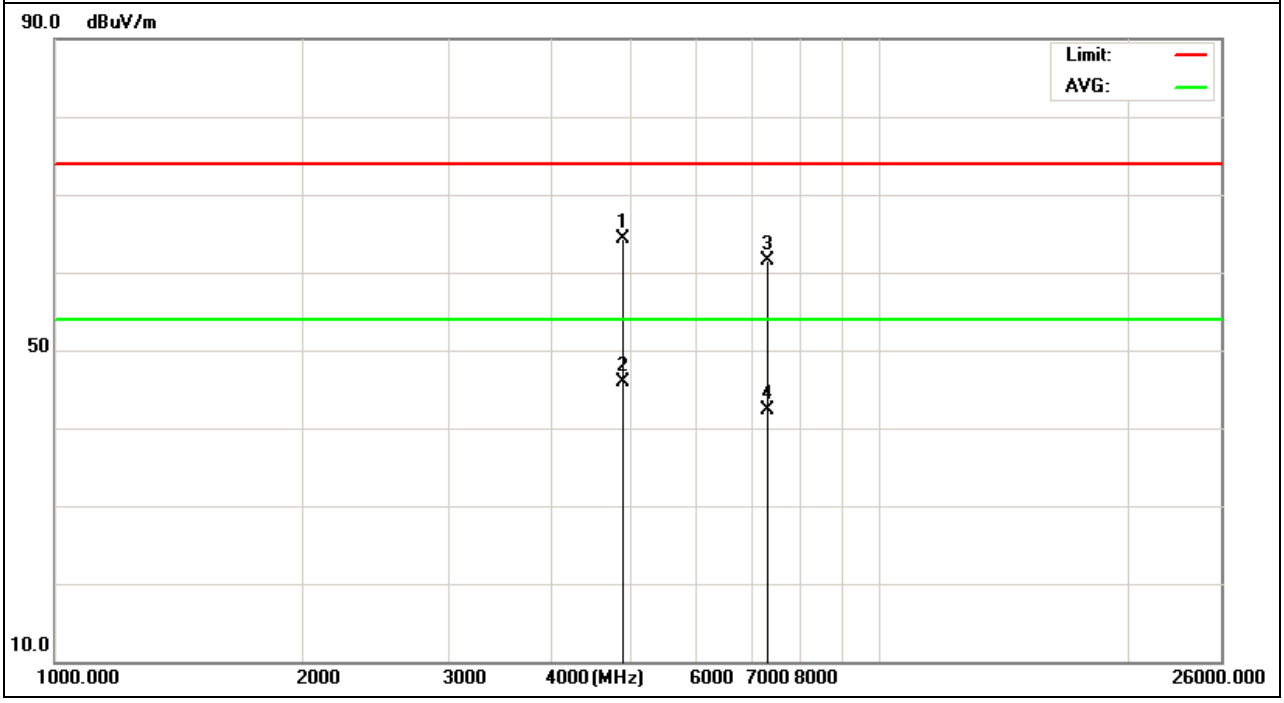
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH6 (802.11n/20M Mode)	Polarization：	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874	61.66	2.6	64.26	74	-9.74	peak
4874	43.32	2.6	45.92	54	-8.08	AVG
7311	56.67	4.93	61.6	74	-12.4	peak
7311	37.36	4.93	42.29	54	-11.71	AVG

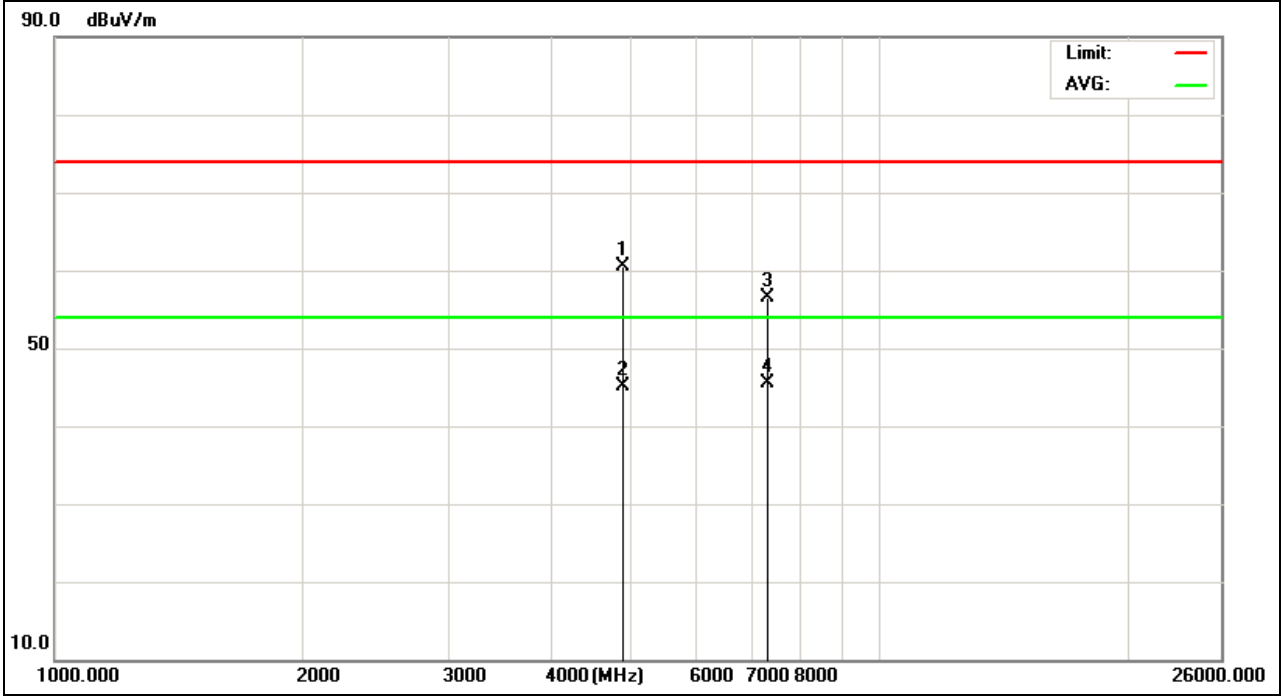
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH6 (802.11n/20M Mode)	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4874	57.89	2.6	60.49	74	-13.51	peak
4874	42.42	2.6	45.02	54	-8.98	AVG
7311	51.55	4.93	56.48	74	-17.52	peak
7311	40.56	4.93	45.49	54	-8.51	AVG

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

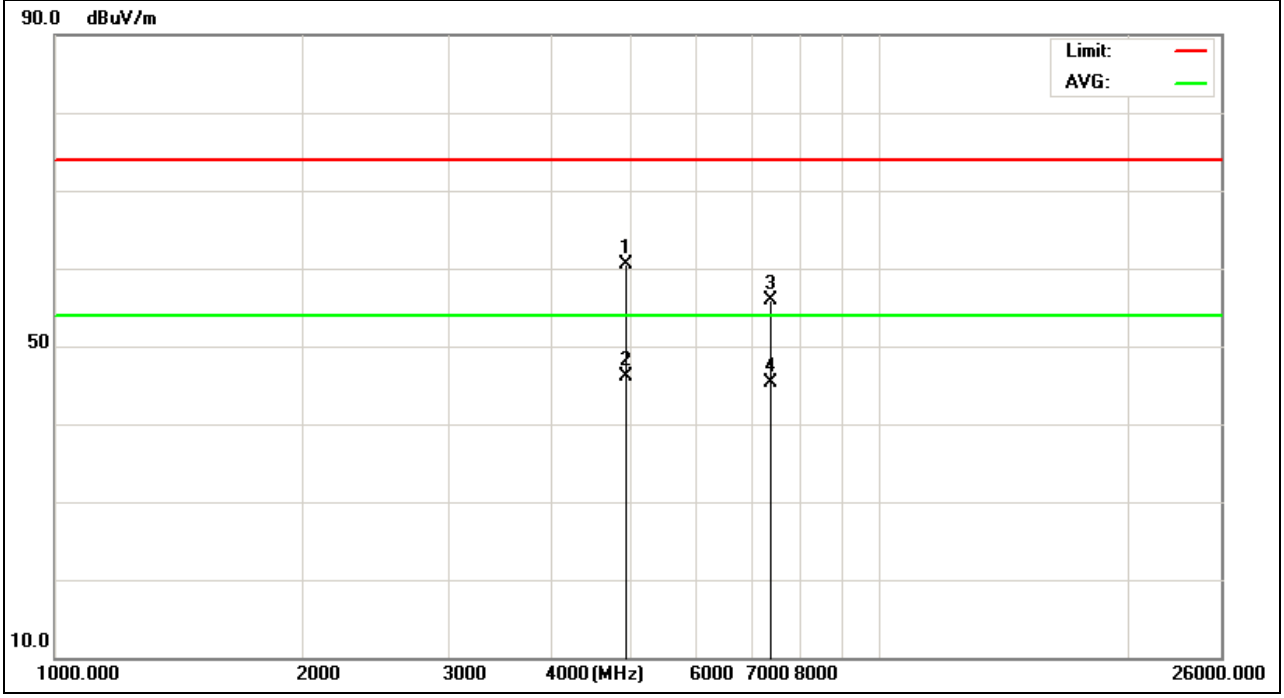


EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH11 (802.11n/20M Mode)	Polarization：	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4924	57.89	2.64	60.53	74	-13.47	peak
4924	43.45	2.64	46.09	54	-7.91	AVG
7386	51.09	4.83	55.92	74	-18.08	peak
7386	40.44	4.83	45.27	54	-8.73	AVG

Remark:

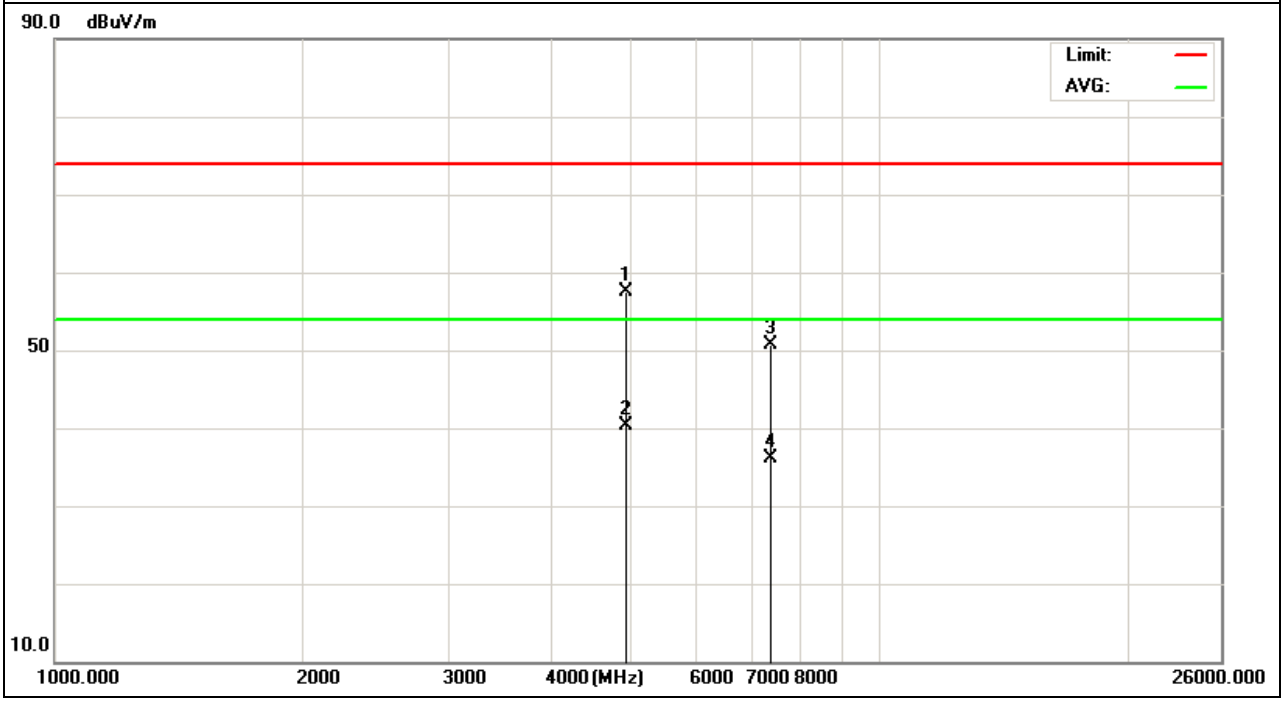
3. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
4. No emission detected above 18GHz



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH11 (802.11n/20M Mode)	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4924	54.77	2.64	57.41	74	-16.59	peak
4924	37.76	2.64	40.4	54	-13.6	AVG
7386	45.88	4.83	50.71	74	-23.29	peak
7386	31.22	4.83	36.05	54	-17.95	AVG

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

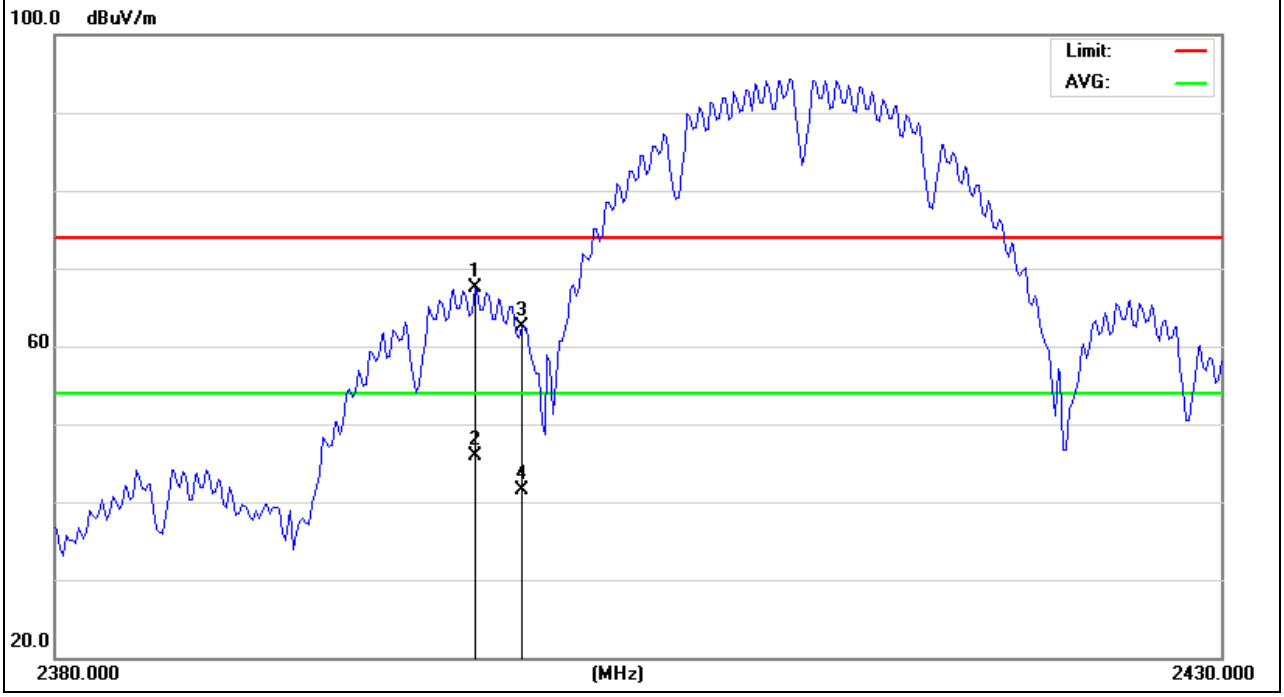


Band Edge Emission:

EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH1(802.11b Mode)	Polarization：	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2398	80.47	-13	67.47	74	-6.53	peak
2398	58.87	-13	45.87	54	-8.13	AVG
2400	75.43	-12.99	62.44	74	-11.56	peak
2400	54.44	-12.99	41.45	54	-12.55	AVG

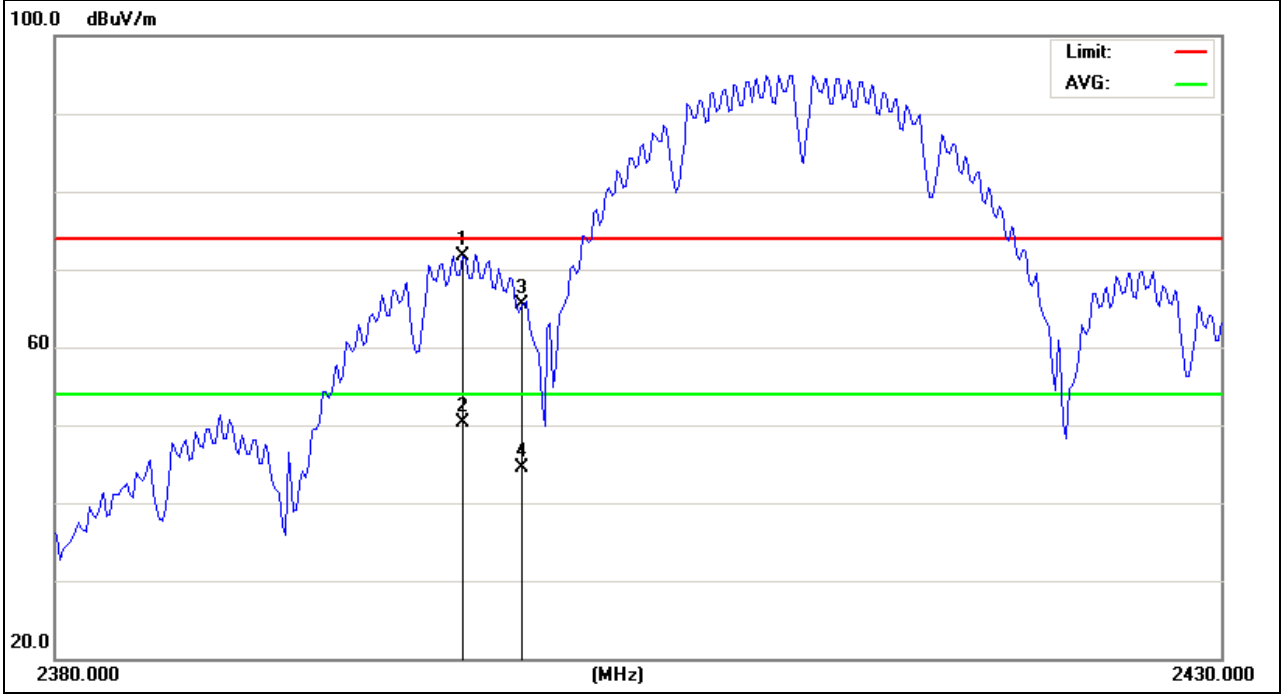
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH1(802.11b Mode)	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2397.5	84.73	-13.01	71.72	74	-2.28	peak
2397.5	63.22	-13.01	50.21	54	-3.79	AVG
2400	78.53	-12.99	65.54	74	-8.46	peak
2400	57.57	-12.99	44.58	54	-9.42	AVG

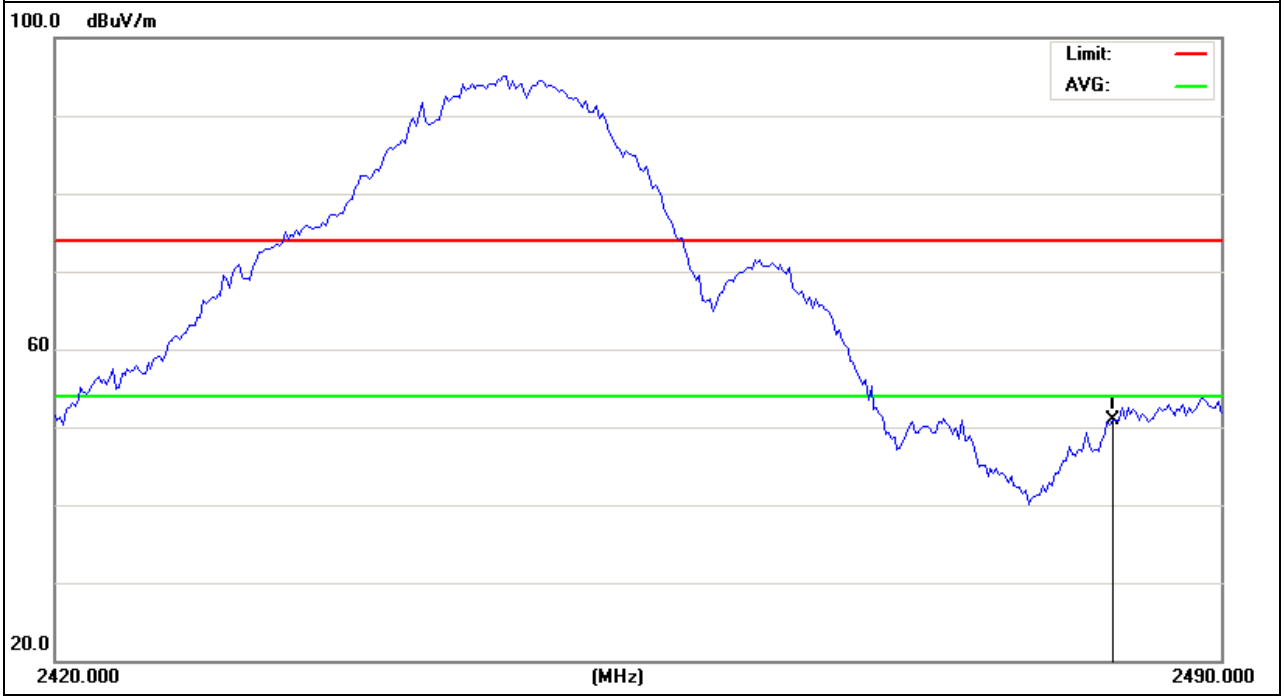
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH11(802.11b Mode)	Polarization：	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	63.61	-12.78	50.83	74	-23.17	peak

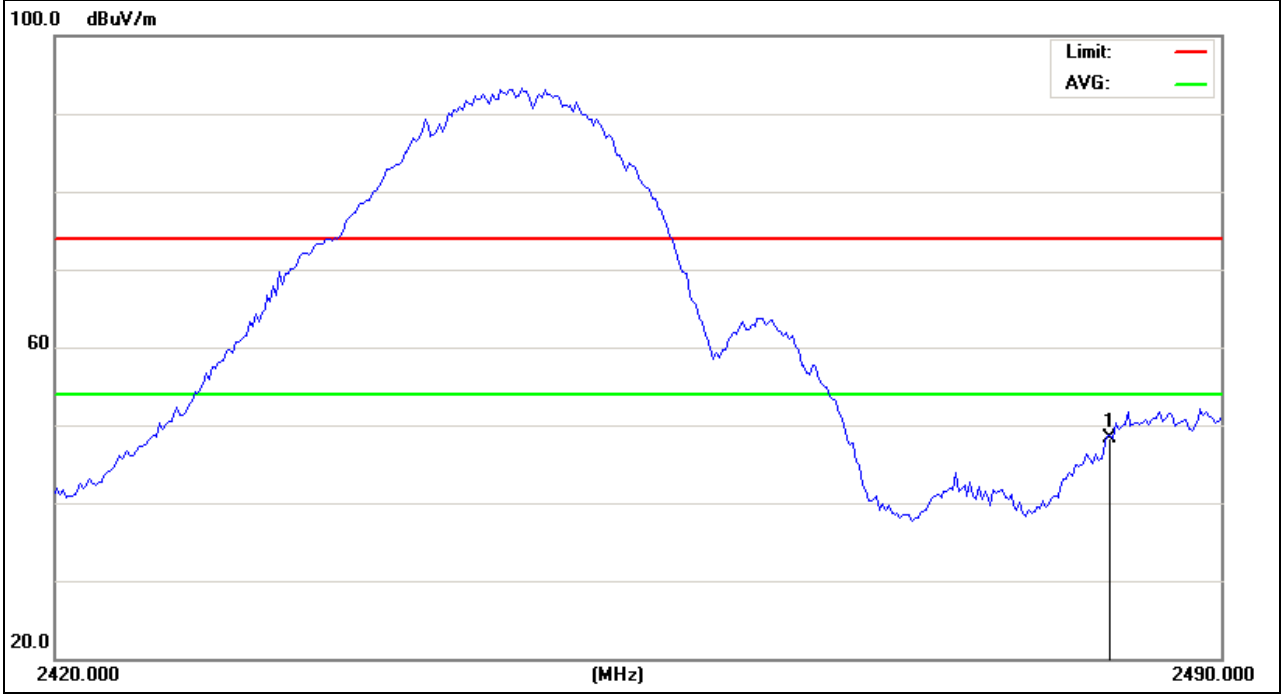
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH11(802.11b Mode)	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	61.06	-12.78	48.28	74	-25.72	peak

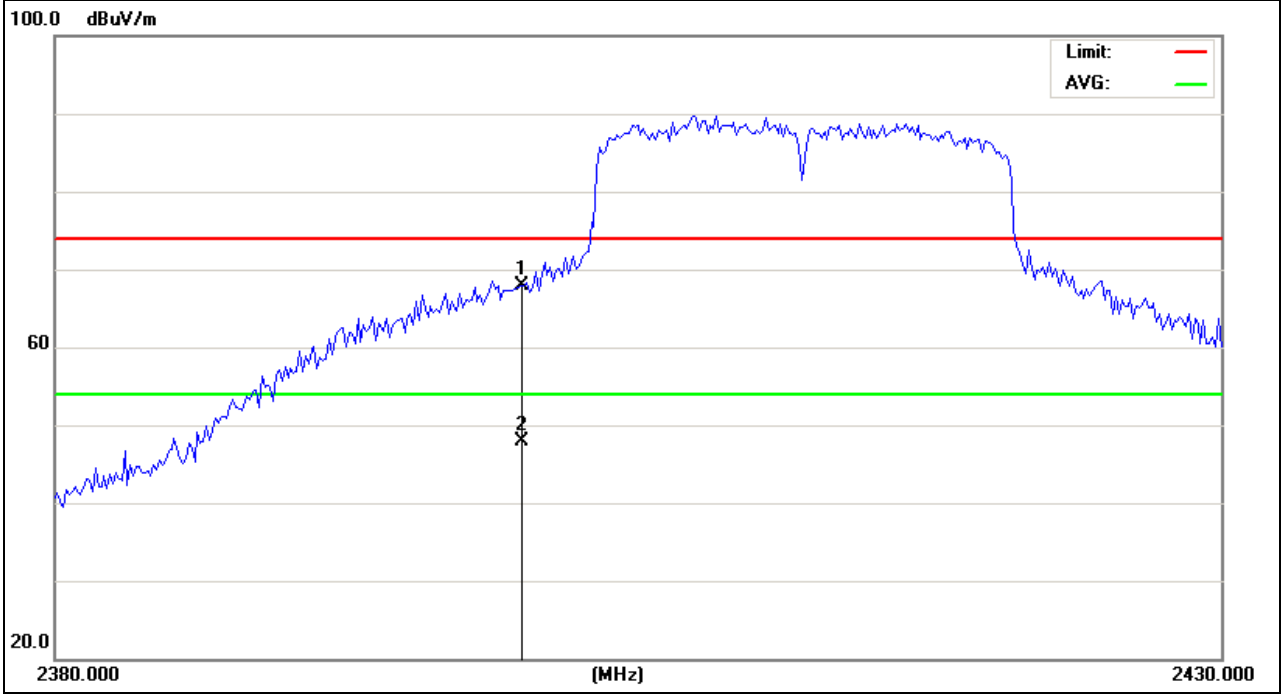
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH1(802.11g Mode)	Polarization：	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2400	80.81	-12.99	67.82	74	-6.18	peak
2400	60.96	-12.99	47.97	54	-6.03	AVG

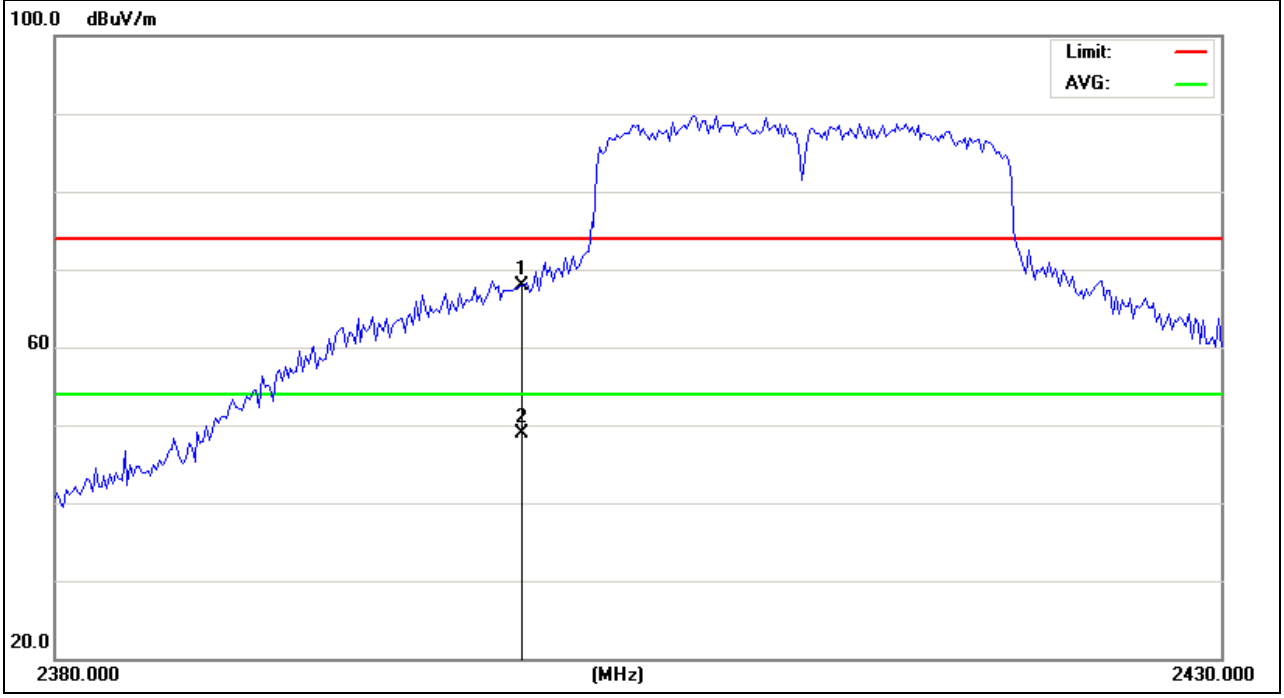
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH1(802.11g Mode)	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2400	80.81	-12.99	67.82	74	-6.18	peak
2400	61.87	-12.99	48.88	54	-5.12	AVG

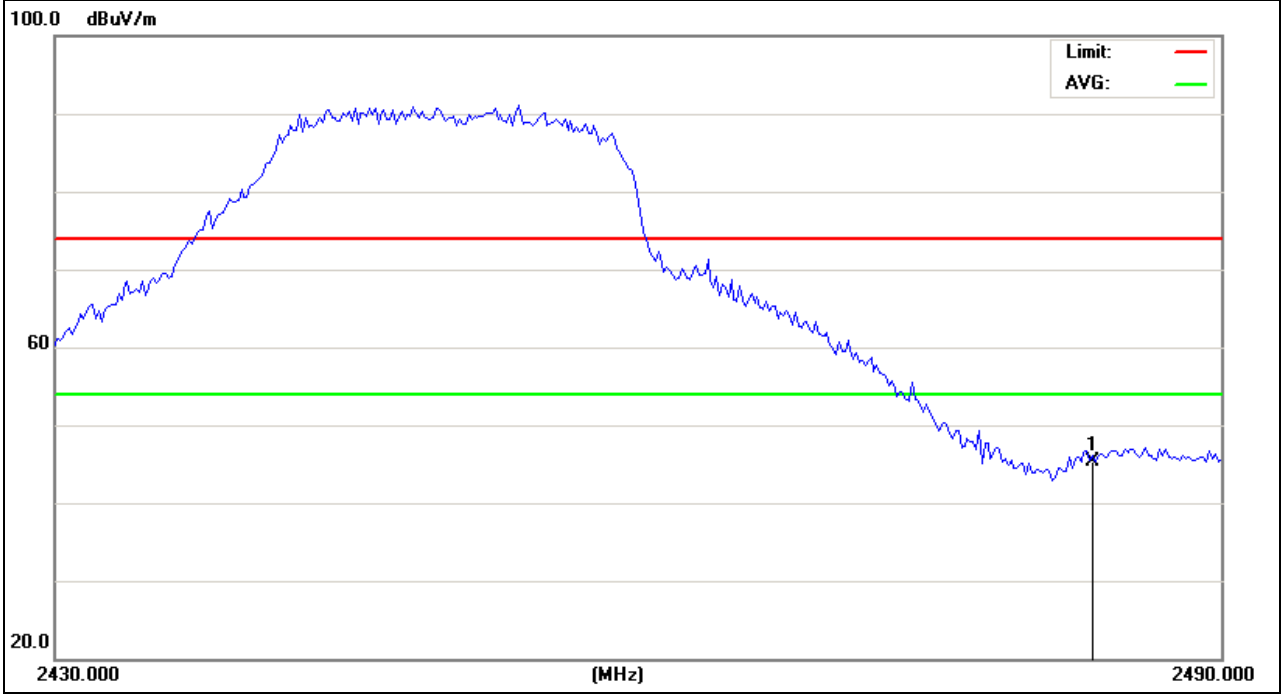
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH11(802.11g Mode)	Polarization：	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	58.1	-12.78	45.32	74	-28.68	peak

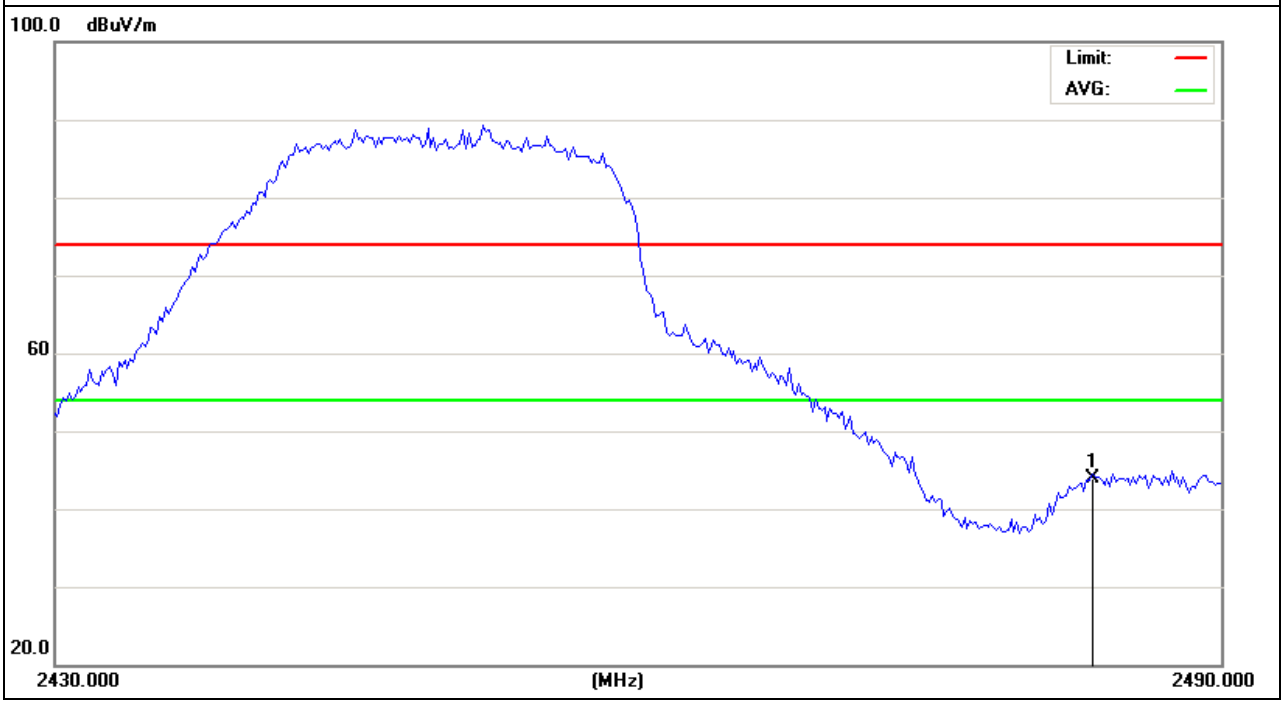
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH11(802.11g Mode)	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	56.78	-12.78	44	74	-30	peak

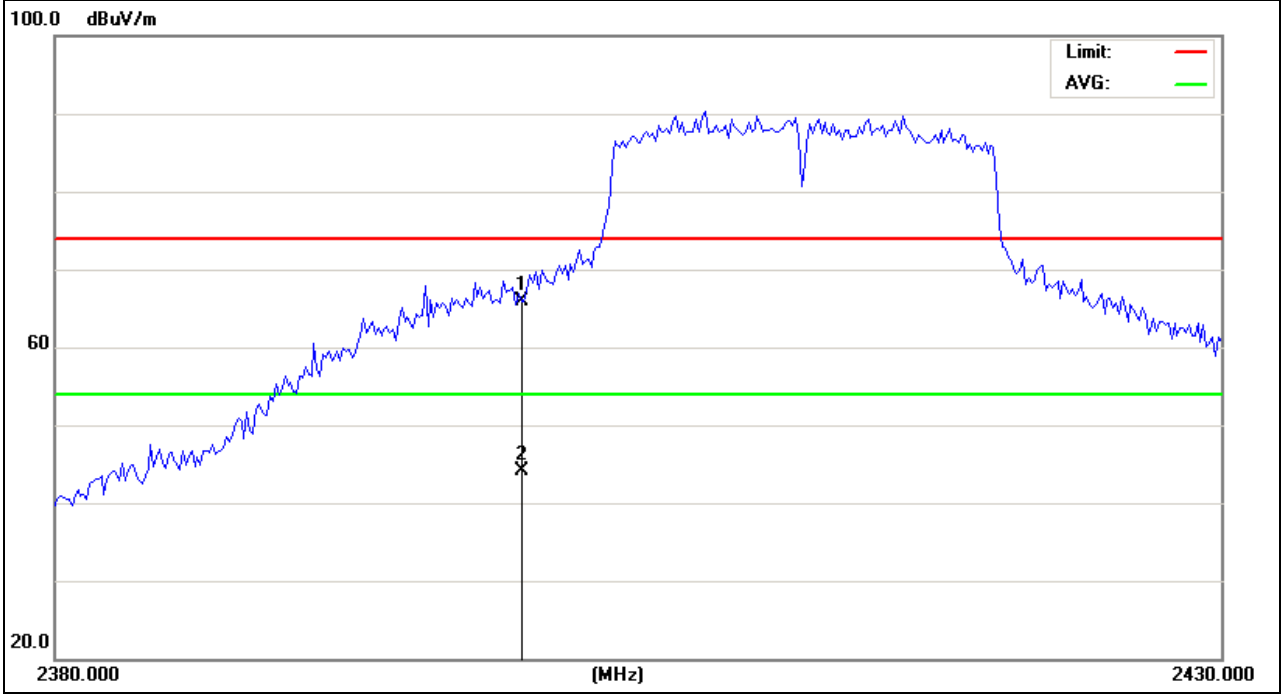
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH1(802.11n Mode/20MHz)	Polarization：	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2400	78.94	-12.99	65.95	74	-8.05	peak
2400	57.09	-12.99	44.1	54	-9.9	AVG

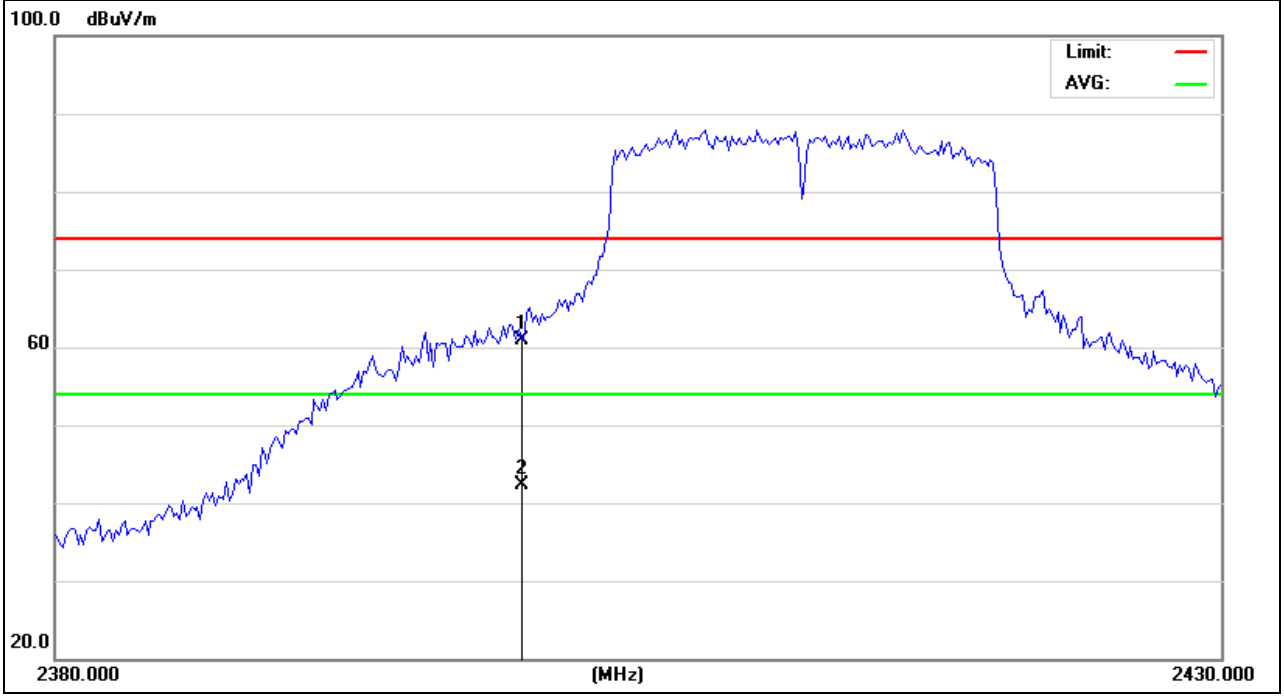
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH1(802.11n Mode/20MHz)	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2400	73.97	-12.99	60.98	74	-13.02	peak
2400	55.22	-12.99	42.23	54	-11.77	AVG

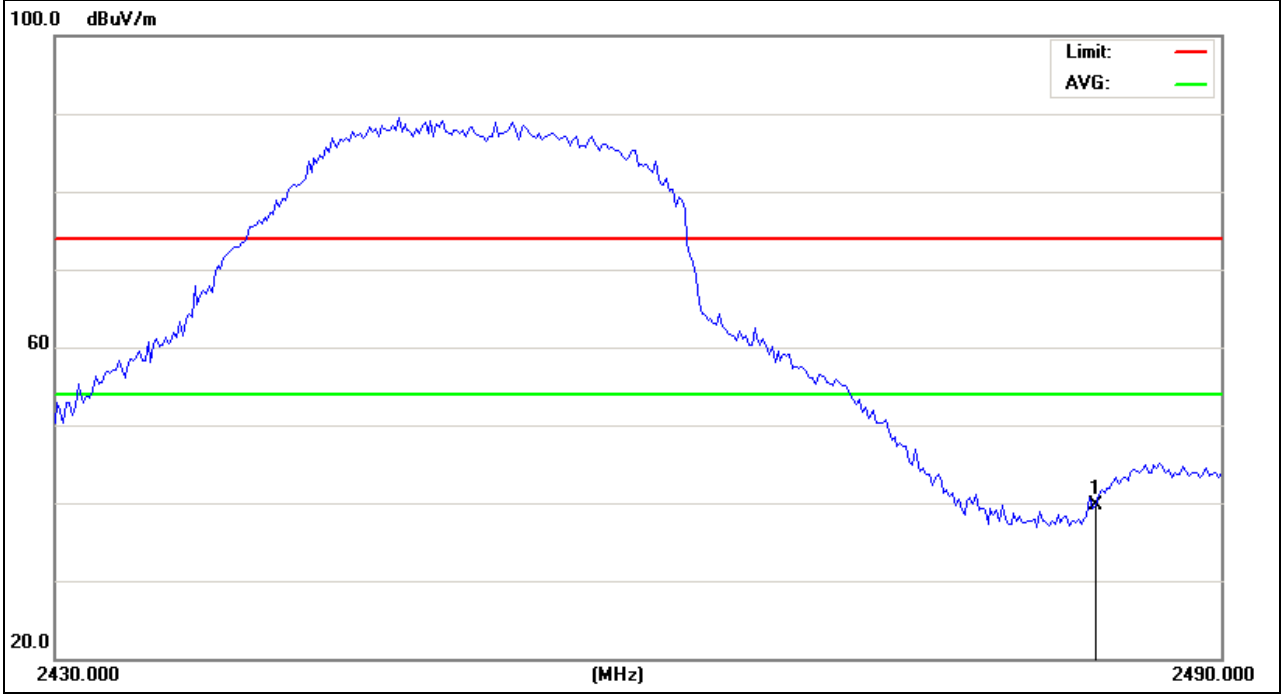
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH11(802.11n Mode/20MHz)	Polarization：	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.5	52.44	-12.78	39.66	74	-34.34	peak

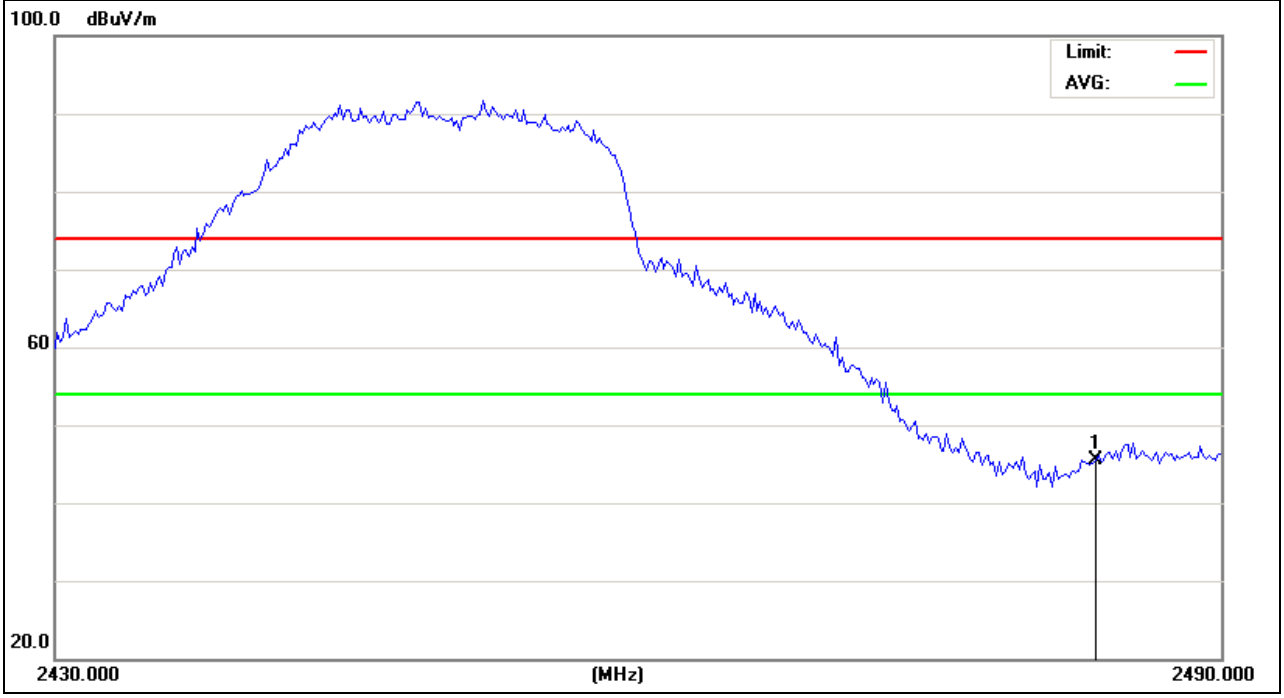
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	CH11(802.11n Mode/20MHz)	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.55	58.31	-12.78	45.53	74	-28.47	peak

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



4. POWER SPECTRAL DENSITY TEST

4.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS

4.1.1 TEST PROCEDURE

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS channel bandwidth.
3. Set the RBW ≥ 3 kHz.
4. Set the VBW ≥ 3 x RBW.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

4.1.2 DEVIATION FROM STANDARD

No deviation.

4.1.3 TEST SETUP

4.1.4 EUT OPERATION CONDITIONS

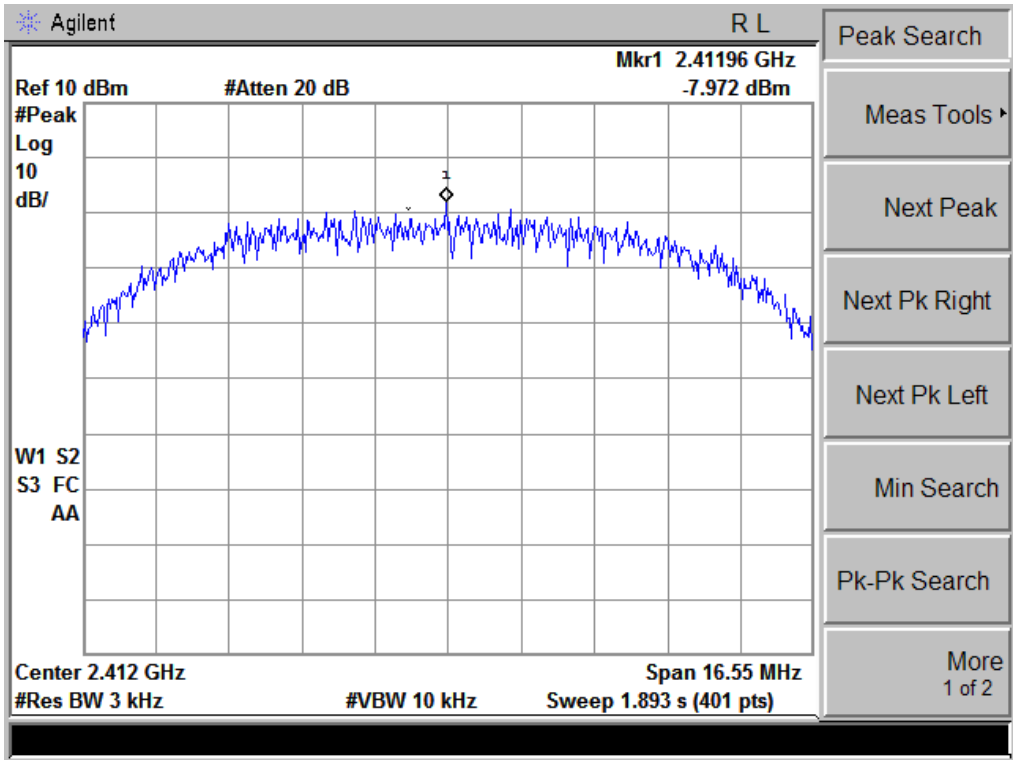
The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.

4.1.5 TEST RESULTS

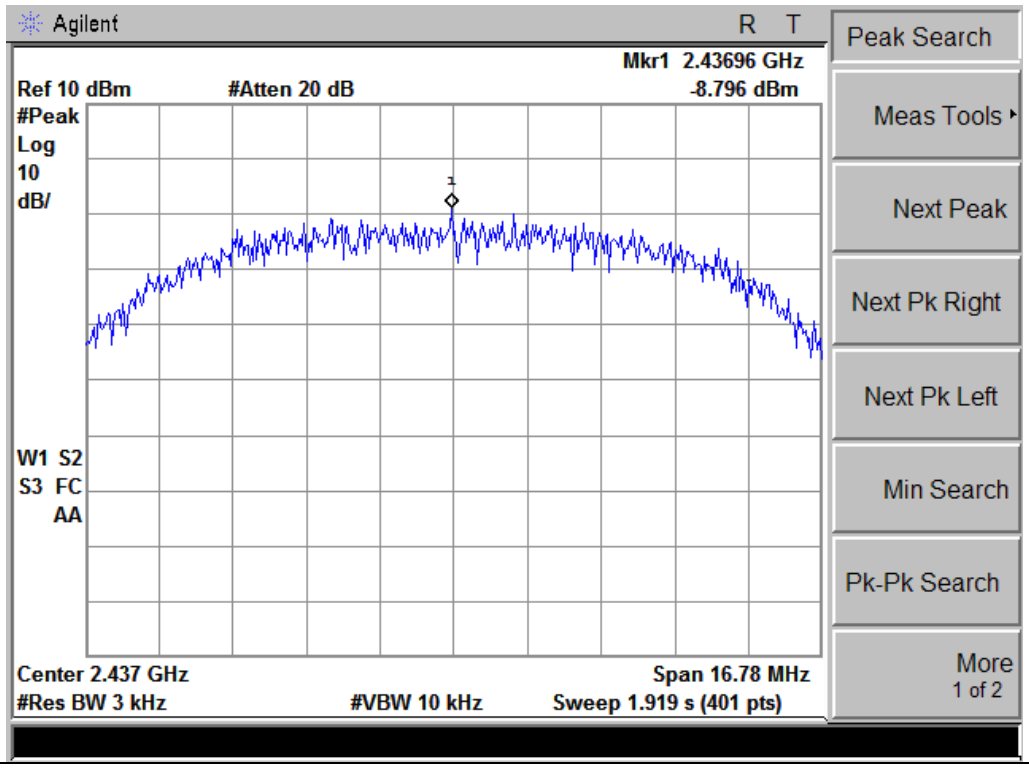
EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1015 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	TX b Mode /CH01, CH06, CH11		

Frequency	Power Density (dBm)	Limit (dBm)	Result
2412 MHz	-7.97	8	**PASS**
2437 MHz	-8.79	8	**PASS**
2462 MHz	-9.71	8	**PASS**

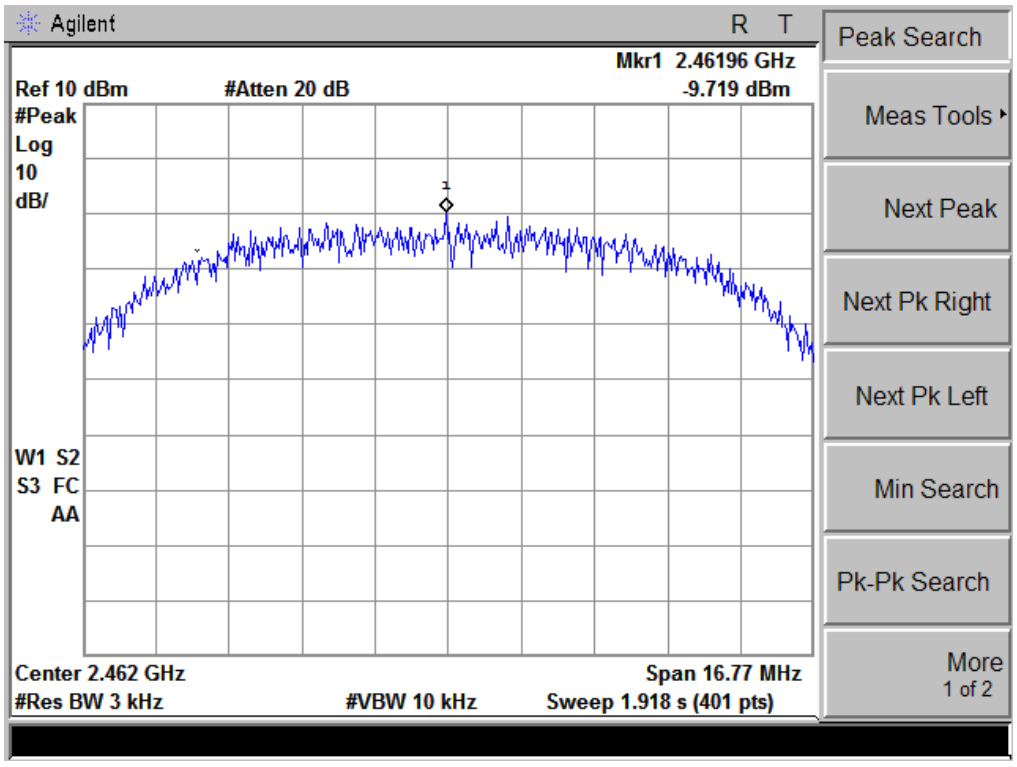
TX CH01



TX CH06



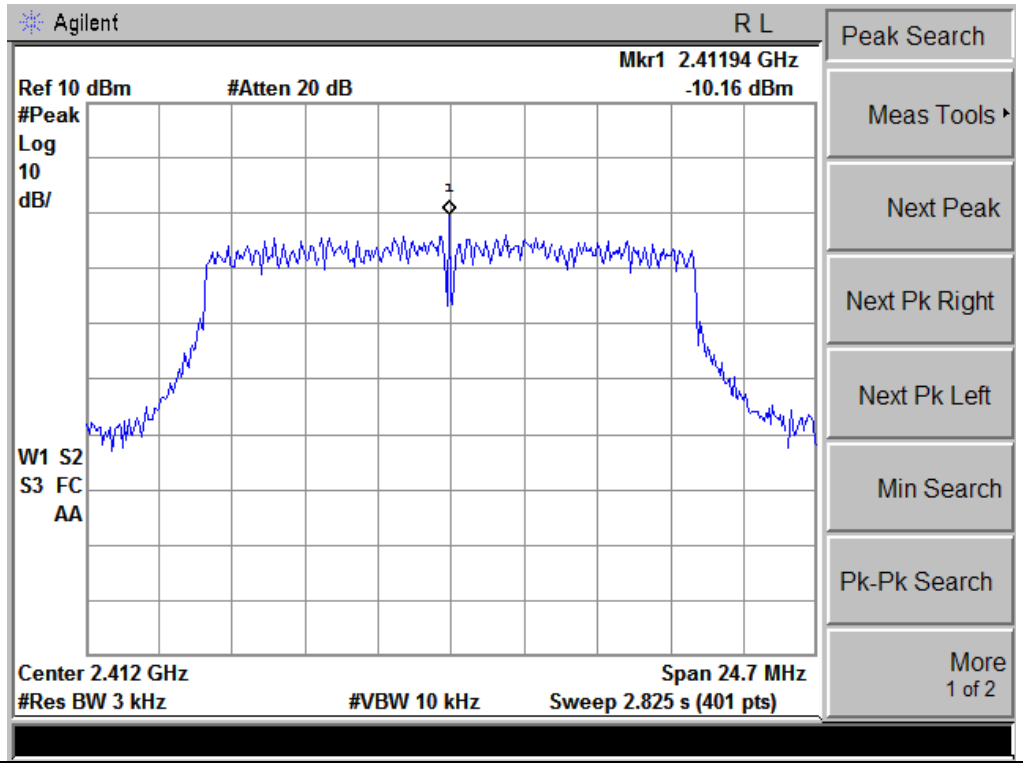
TX CH11



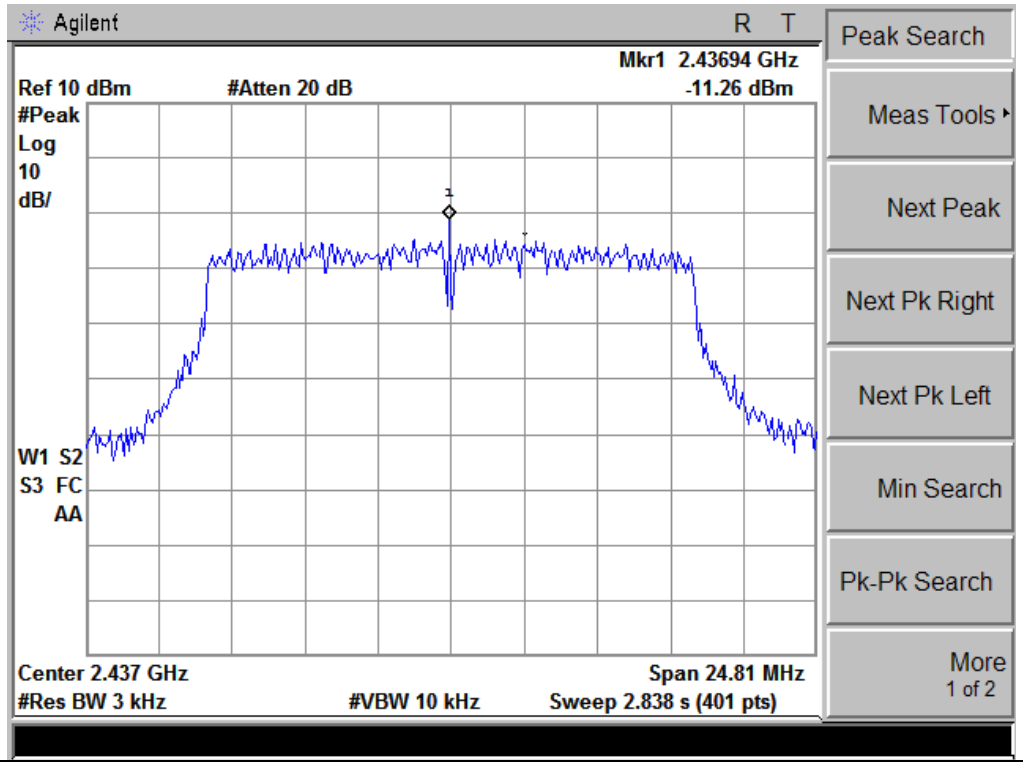
EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1015 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	TX g Mode /CH01, CH06, CH11		

Frequency	Power Density (dBm)	Limit (dBm)	Result
2412 MHz	-10.16	8	**PASS**
2437 MHz	-11.26	8	**PASS**
2462 MHz	-10.87	8	**PASS**

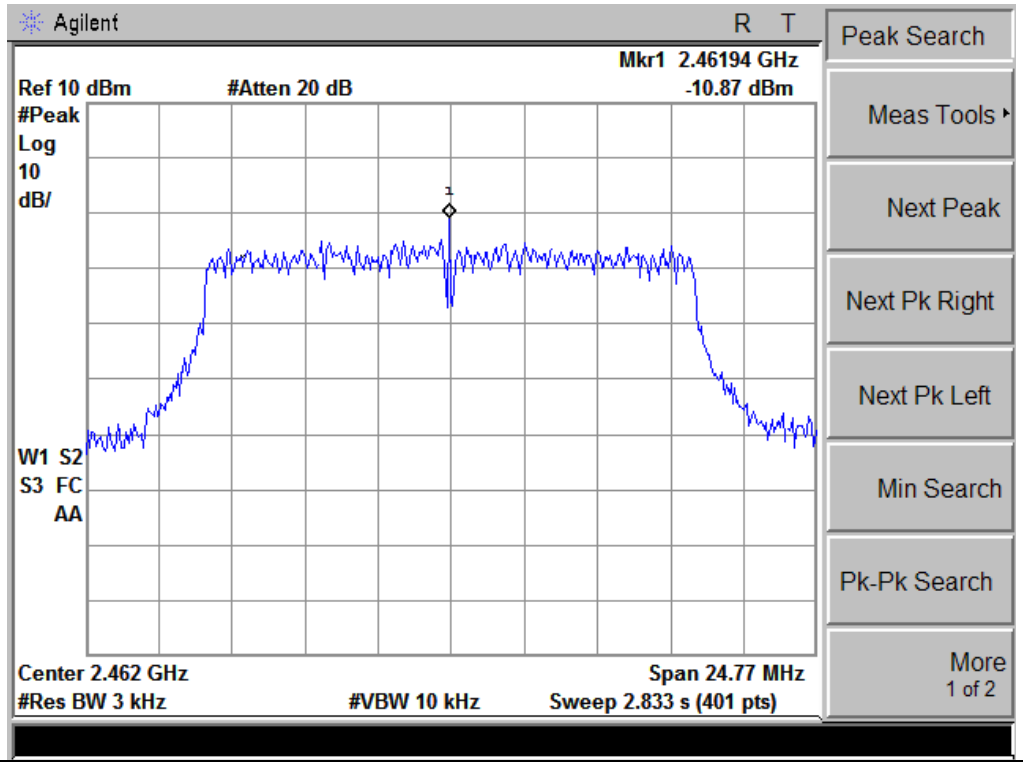
TX CH01



TX CH06



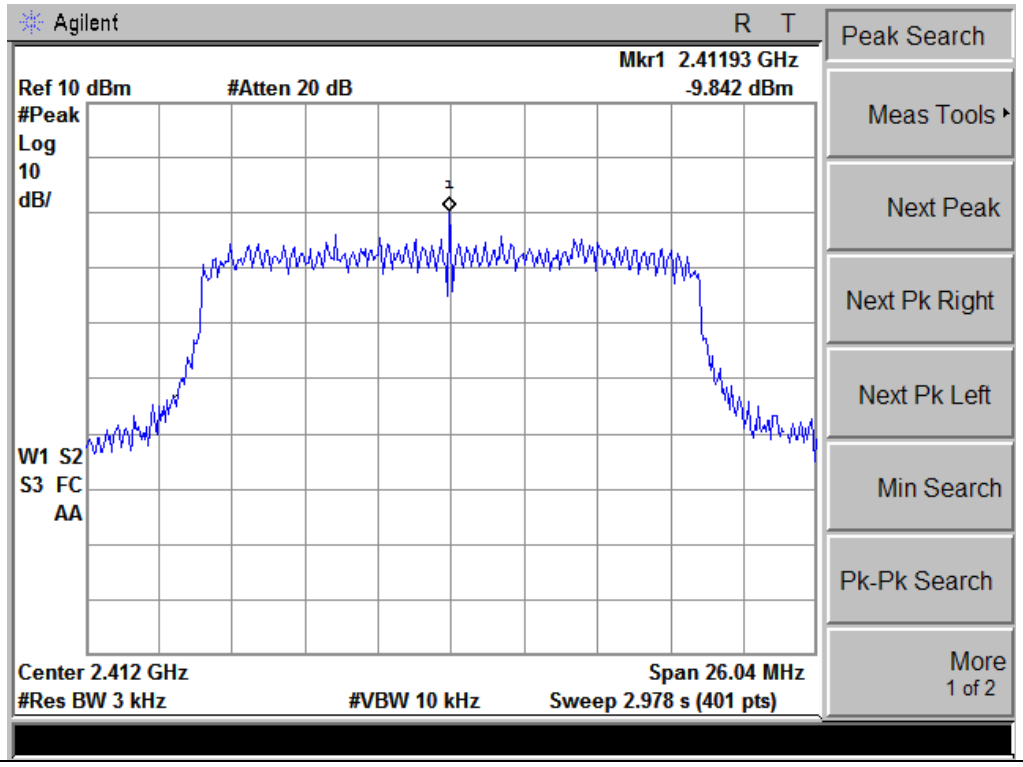
TX CH11



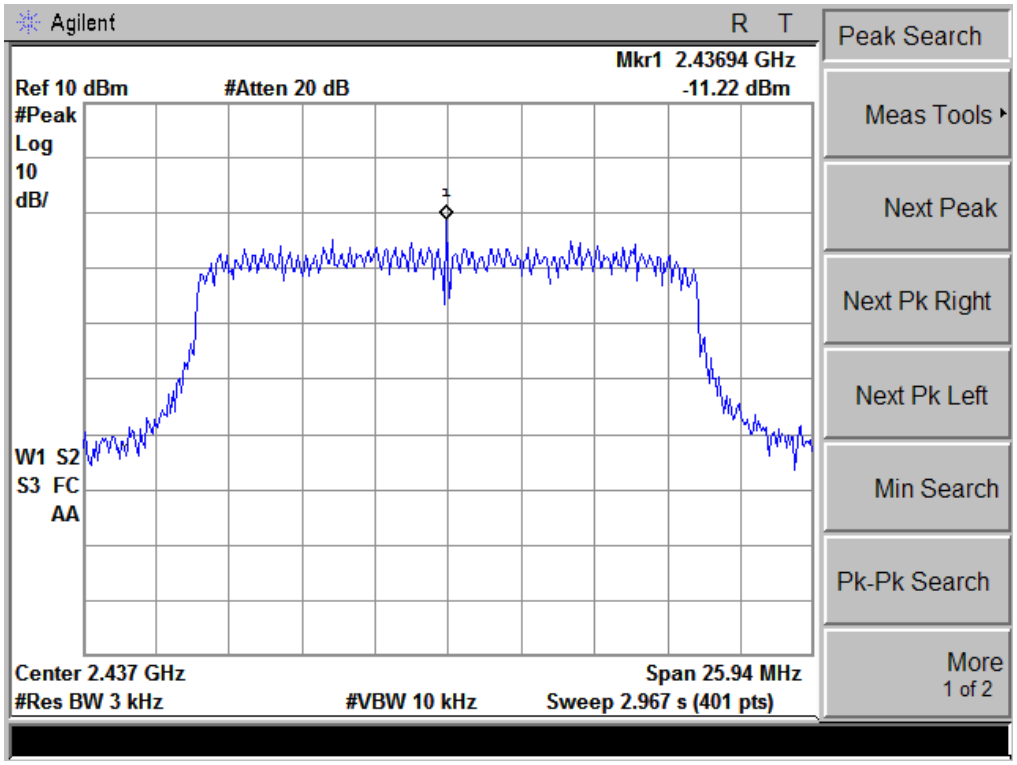
EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1015 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	TX n Mode(20M) /CH01, CH06, CH11		

Frequency	Power Density (dBm)	Limit (dBm)	Result
2412 MHz	-9.84	8	**PASS**
2437 MHz	-11.22	8	**PASS**
2462 MHz	-11.97	8	**PASS**

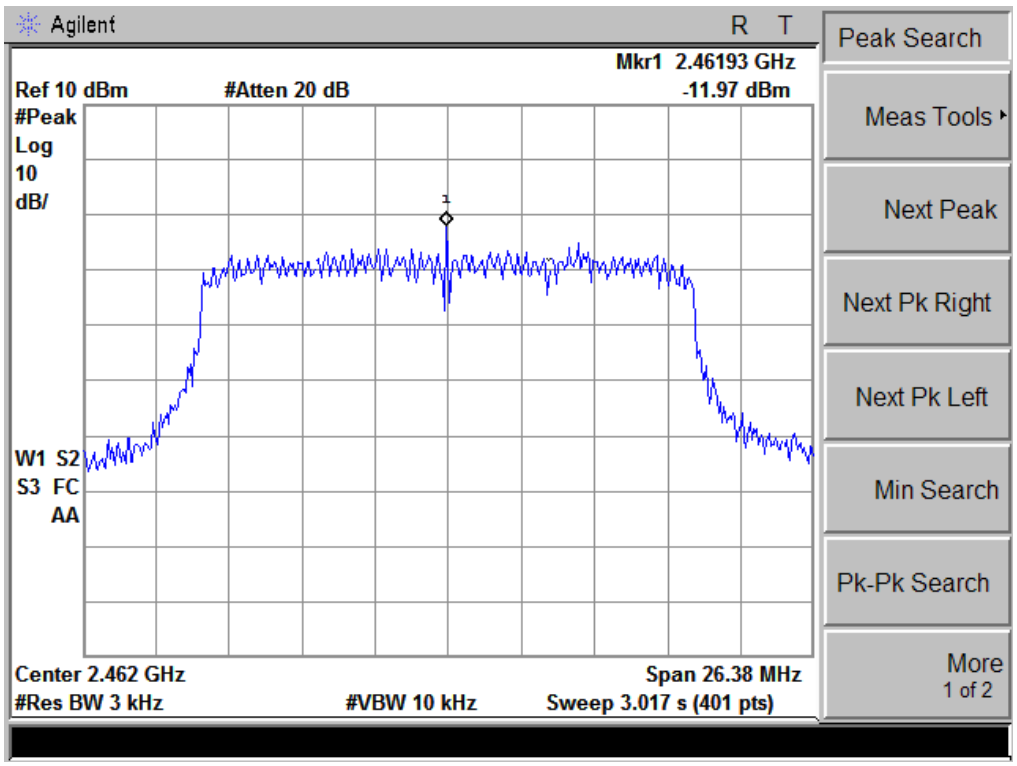
TX CH01



TX CH06



TX CH11



5. BANDWIDTH TEST

5.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	>= 500KHz (6dB bandwidth)	2400-2483.5	PASS

5.1.1 TEST PROCEDURE

a.

1. Set resolution bandwidth (RBW) = 1-5% or DTS BW, not to exceed 100 kHz.
2. Set the video bandwidth (VBW) ≥ 3 x RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP

5.1.4 EUT OPERATION CONDITIONS

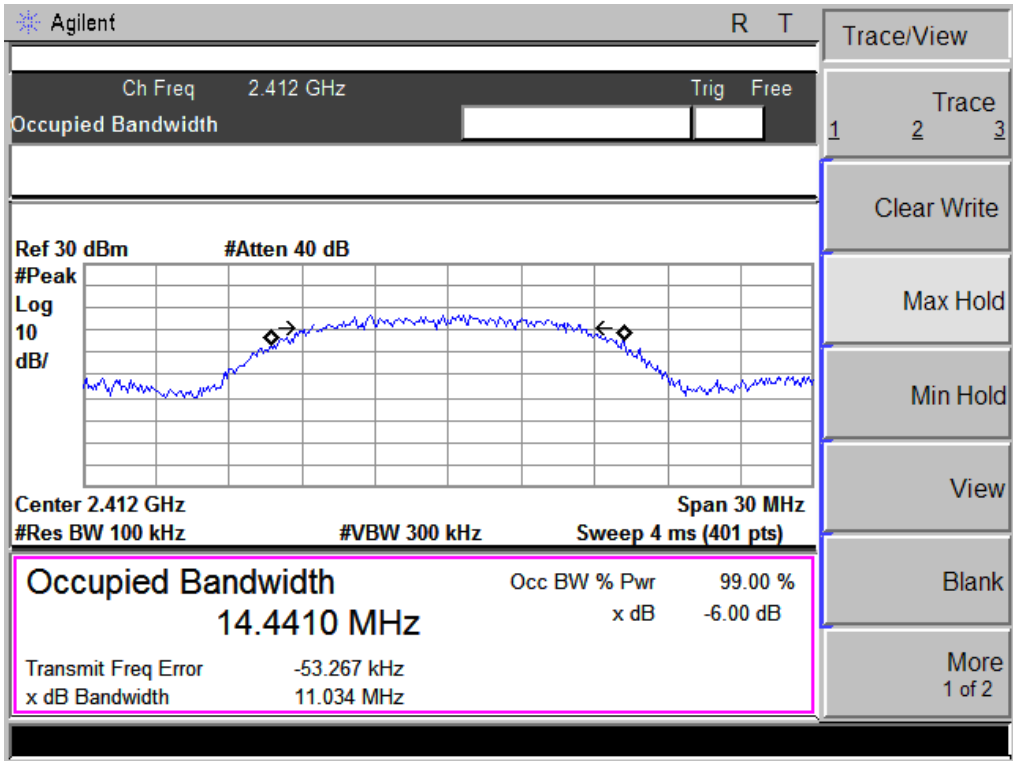
The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

5.1.5 TEST RESULTS

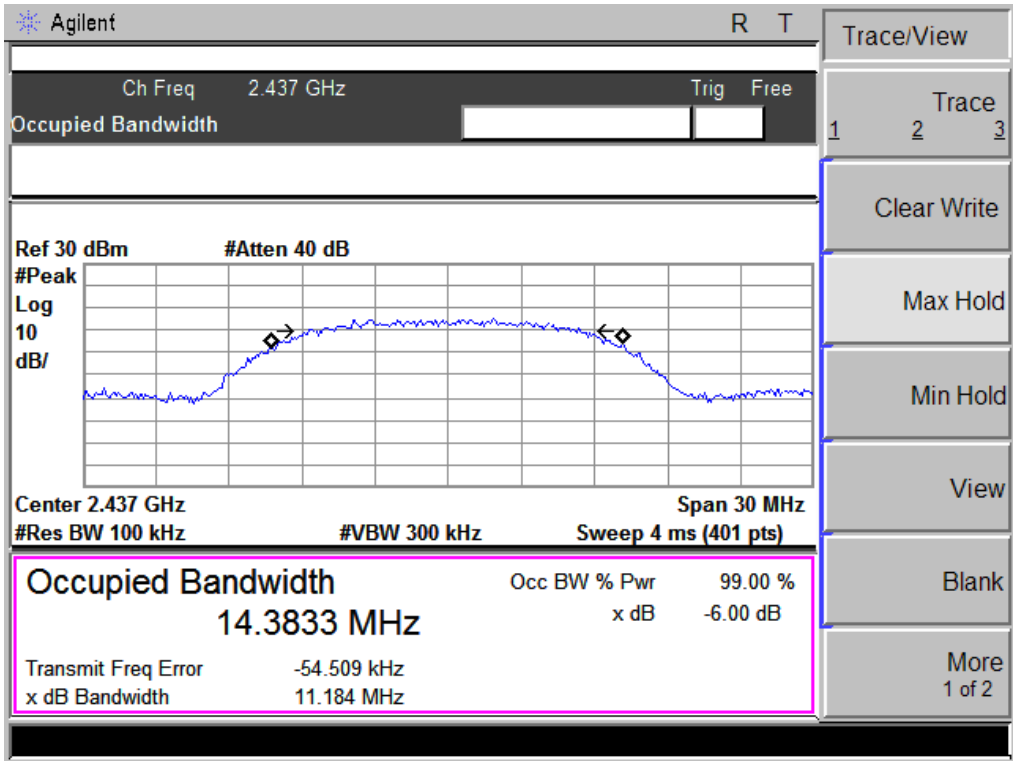
EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	TX b Mode /CH01, CH06, CH11		

Frequency	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Channel Separation (MHz)	Result
2412 MHz	11.03	14.44	>=500KHz	**PASS**
2437 MHz	12.18	15.38	>=500KHz	**PASS**
2462 MHz	11.18	16.41	>=500KHz	**PASS**

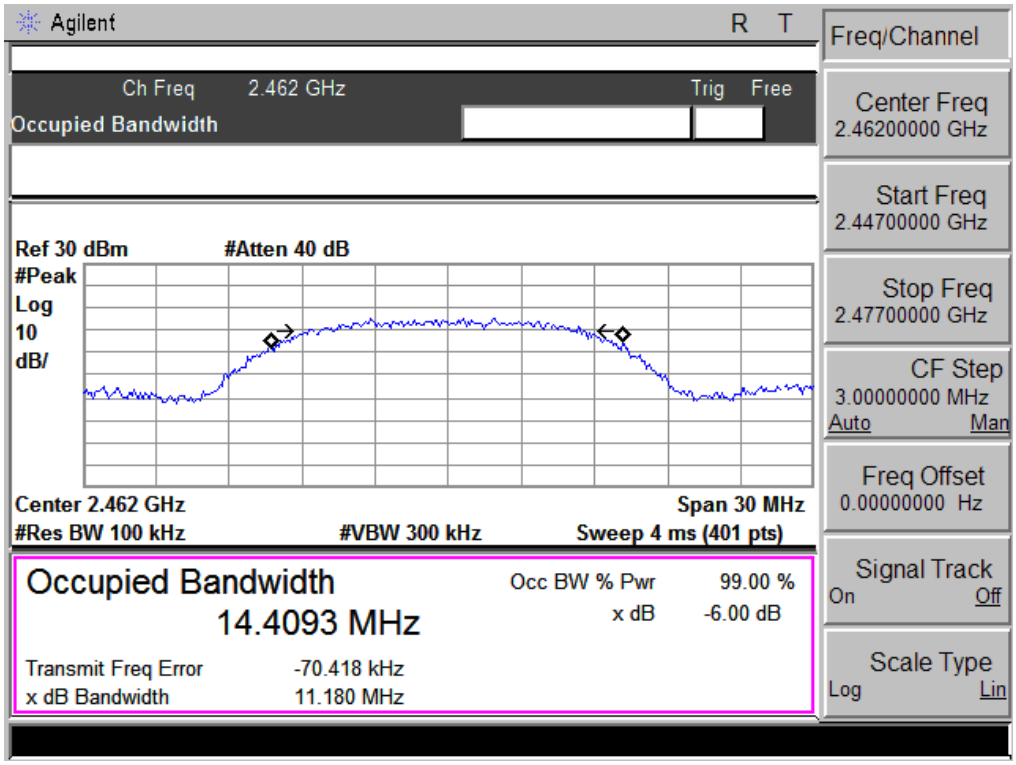
TX CH 01



TX CH 06



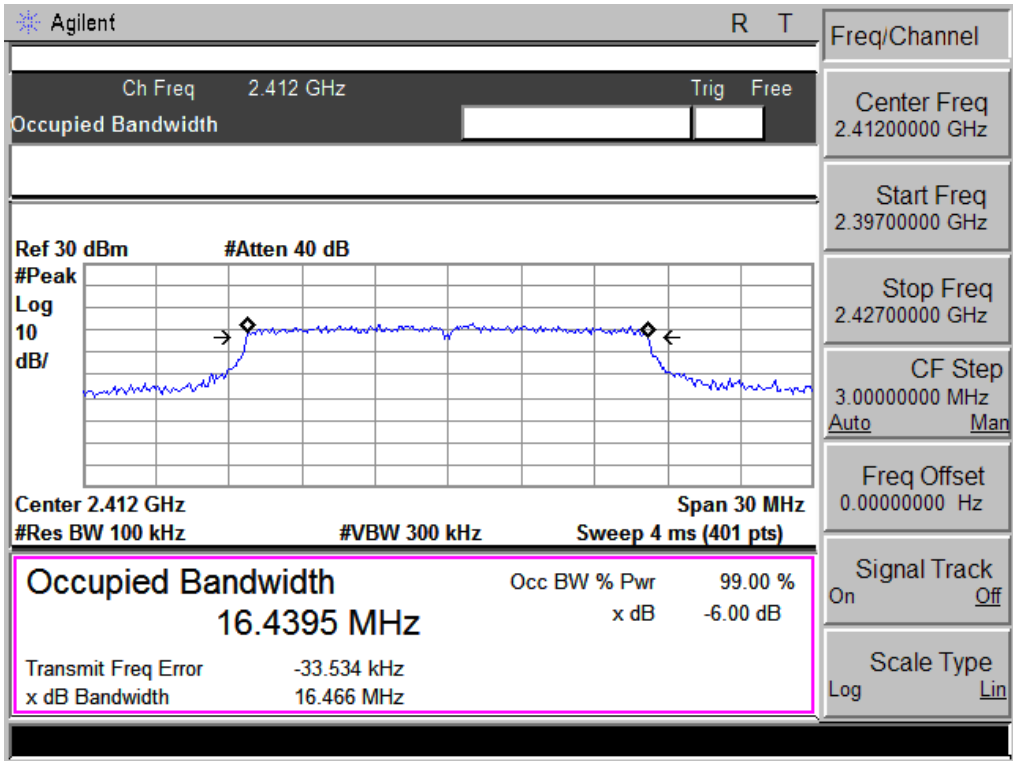
TX CH 11



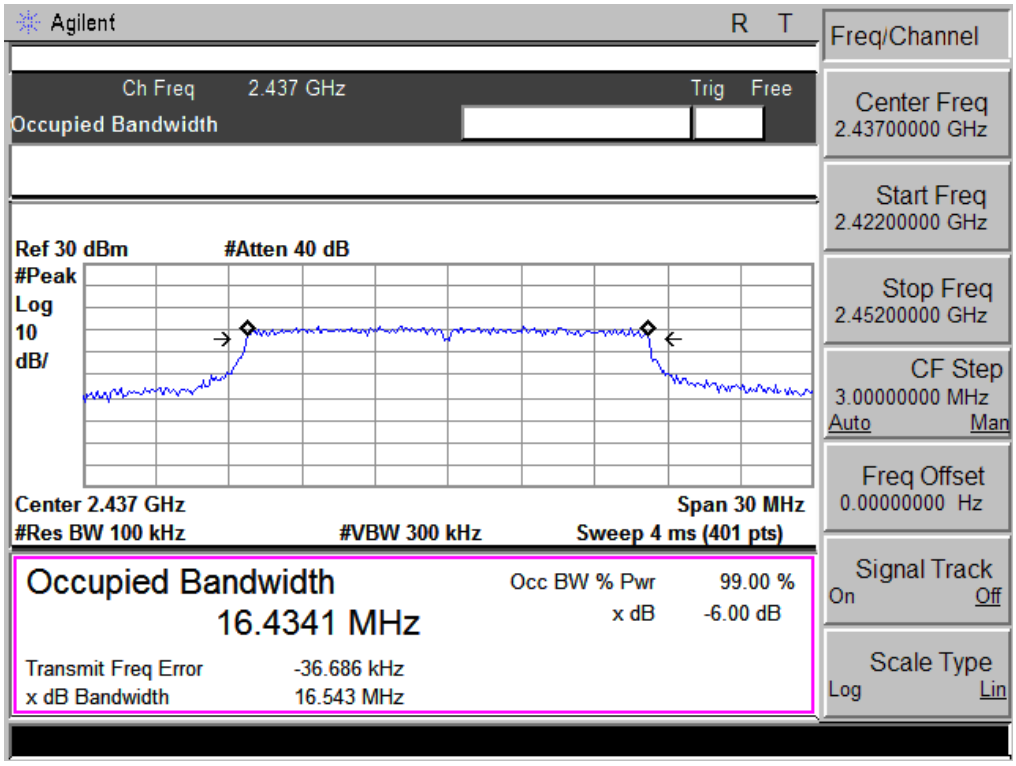
EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	TX g Mode /CH01, CH06, CH11		

Frequency	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Channel Separation (MHz)	Result
2412 MHz	16.47	16.44	>=500KHz	**PASS**
2437 MHz	16.54	16.43	>=500KHz	**PASS**
2462 MHz	16.51	16.41	>=500KHz	**PASS**

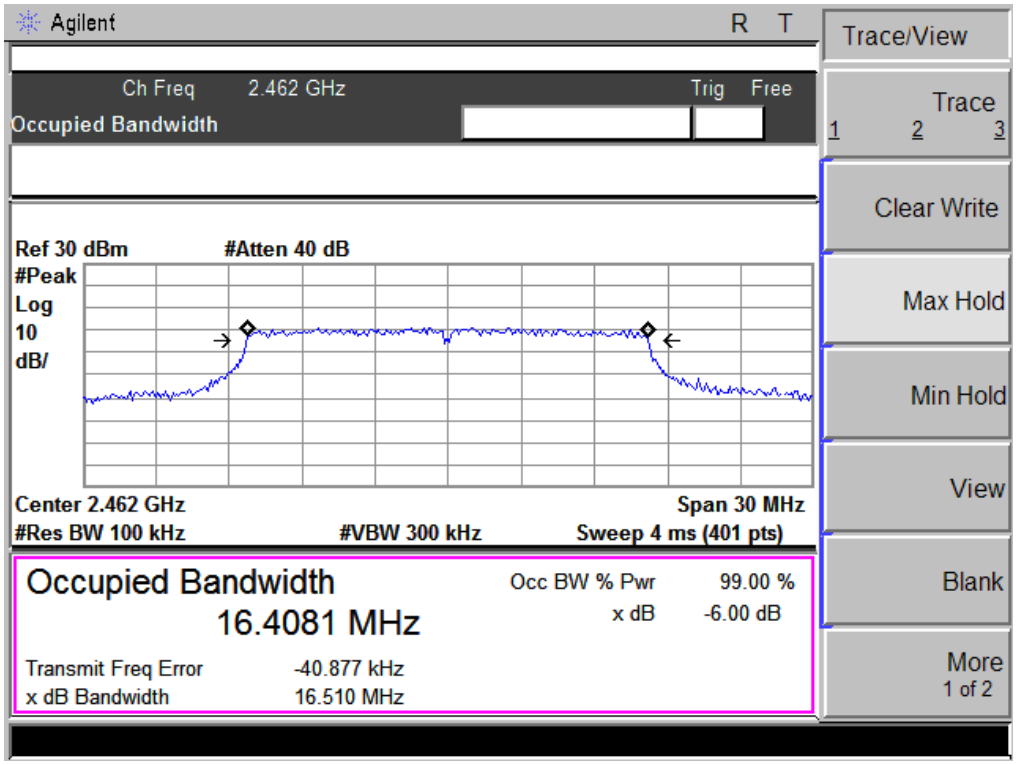
TX CH 01



TX CH 06



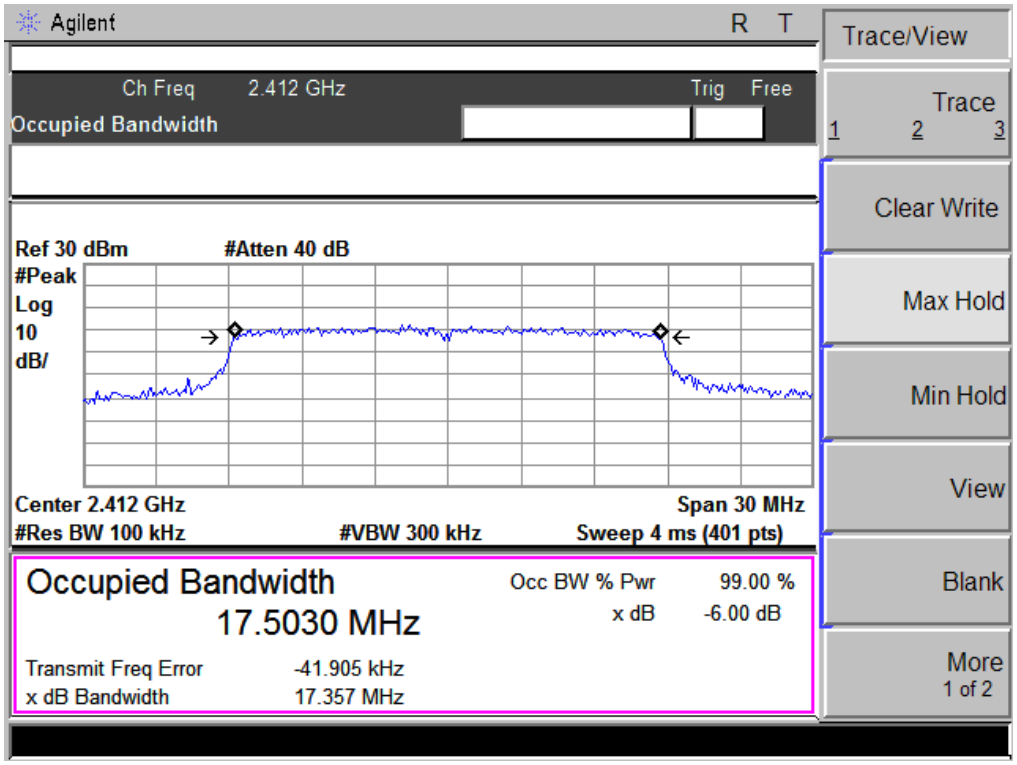
TX CH 11



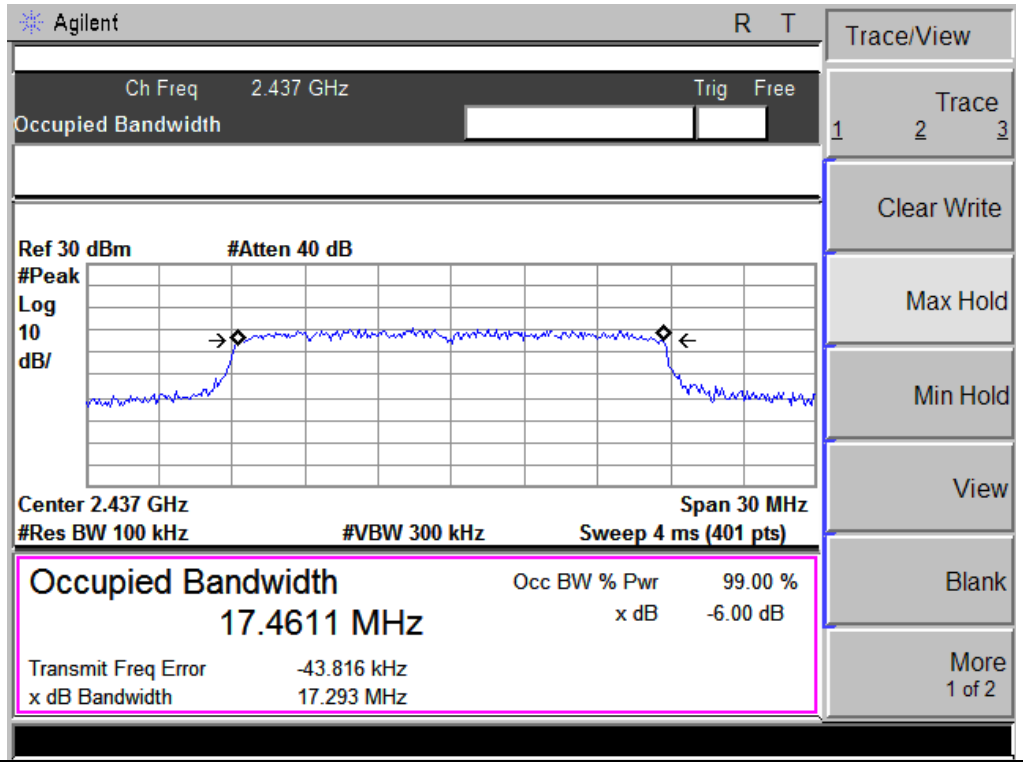
EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	TX n Mode(20M) /CH01, CH06, CH11		

Frequency	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Channel Separation (MHz)	Result
2412 MHz	17.36	17.50	>=500KHz	**PASS**
2437 MHz	17.29	17.46	>=500KHz	**PASS**
2462 MHz	17.59	17.47	>=500KHz	**PASS**

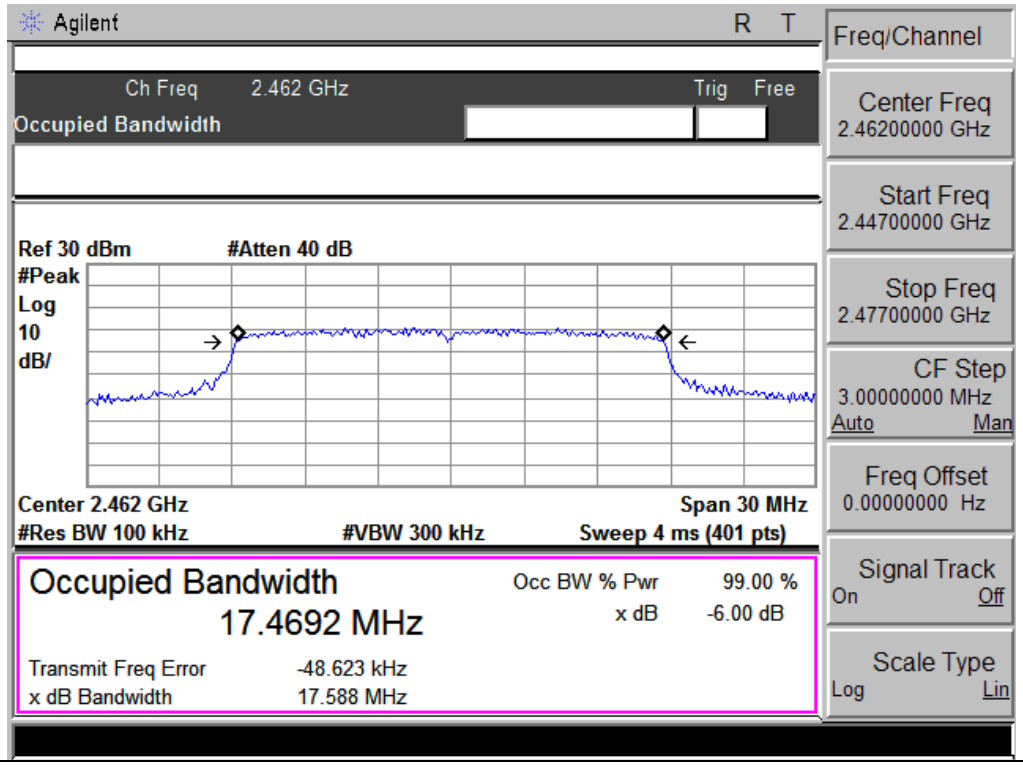
TX CH 01



TX CH 06



TX CH 11



6. PEAK OUTPUT POWER TEST

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Peak Output Power	1 watt or 30dBm	2400-2483.5	PASS

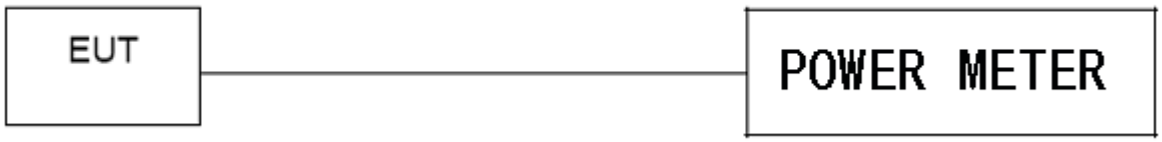
6.1.1 TEST PROCEDURE

a. The EUT was directly connected to the Power meter

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

6.1.5 TEST RESULTS

EUT：	HFC Canna	Model Name ：	G10CAC08-H-00
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 5.0V From Adapter AC 120/60Hz
Test Mode ：	TX b/g/n(20M) Mode /CH01, CH06, CH11		

TX 802.11b Mode					
Test Channe	Frequency	Peak output power. Antenna port	Antenna Gain	EIRP	LIMIT
	(MHz)	(dBm)	dBi	dBm	dBm
CH01	2412	16.23	1.3	17.53	30
CH06	2437	16.08	1.3	17.38	30
CH11	2462	**16.54**	1.3	**17.84**	30
TX 802.11g Mode					
CH01	2412	14.46	1.3	15.76	30
CH06	2437	14.51	1.3	15.81	30
CH11	2462	14.71	1.3	16.01	30
TX 802.11n/20M Mode					
CH01	2412	14.38	1.3	15.68	30
CH06	2437	14.37	1.3	15.67	30
CH11	2462	14.56	1.3	15.86	30

7. ANTENNA REQUIREMENT

7.1 STANDARD REQUIREMENT

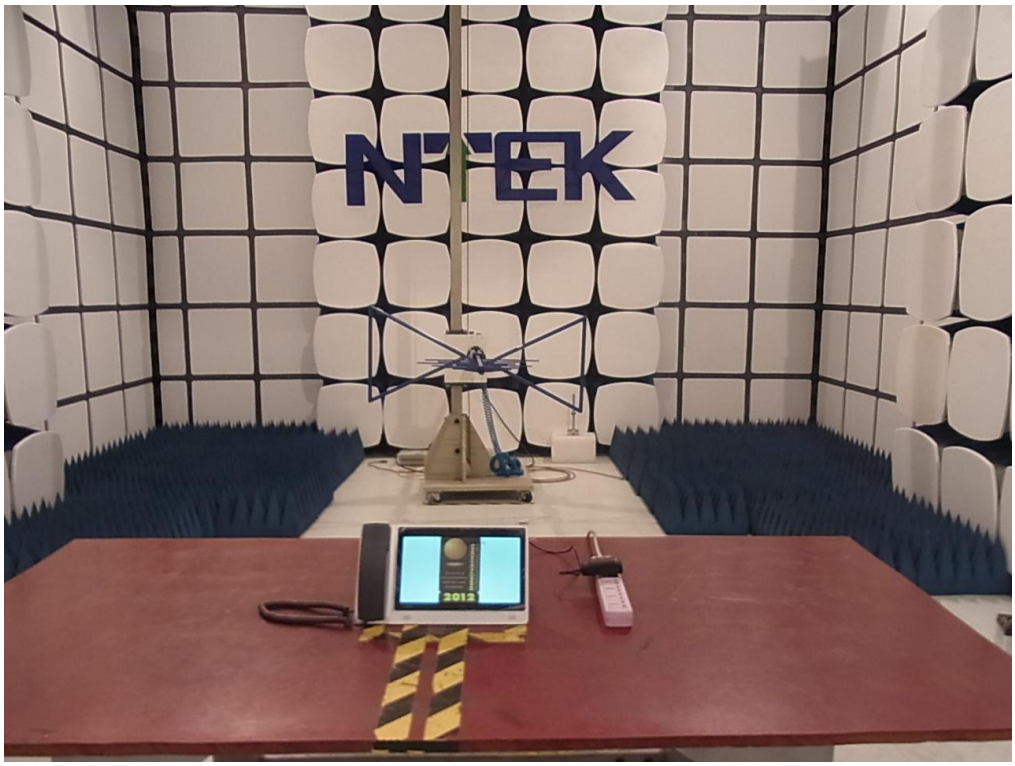
15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

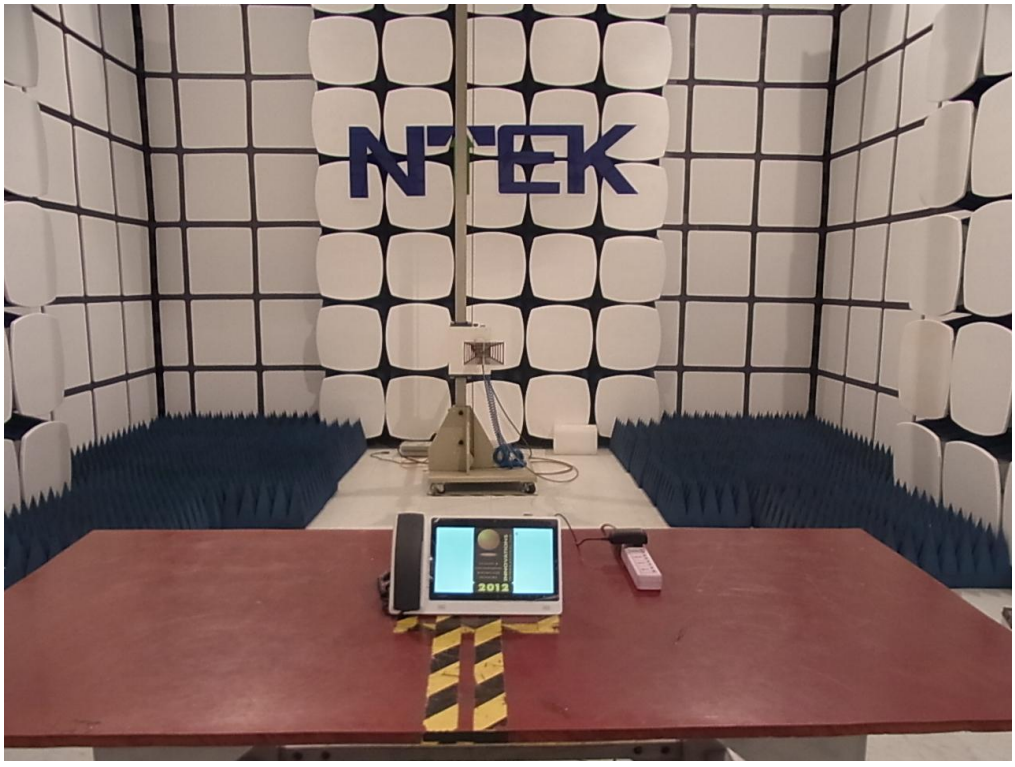
7.2 EUT ANTENNA

The EUT antenna is PCB antenna. It comply with the standard requirement.

8. EUT TEST PHOTO

Radiated Measurement Photos





Conducted Measurement Photos