



**CFR 47 FCC PART 15 SUBPART E  
ISED RSS-247 ISSUE 2**

**CERTIFICATION TEST REPORT**

*For*

**IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module  
Integrated BT 2.1+EDR/4.2/5.0**

**MODEL NUMBER: SKI.WB638BU.2\_668BU**

**FCC ID: 2AR82-SKIWB668BU2**

**IC: 24728-SKIWB668BU2**

**REPORT NUMBER: 4789861913-4**

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*Prepared for*

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Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
V0	03/23/2021	Initial Issue	

Note: This report is based on 4789476783-4 which is issued by UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch at June 3, 2020. The EUT had already applied for the FCC ID, the customer changed two kinds of antenna, one is called KTC antenna and the other one called INNO-LINK antenna. So we only added the Radiated Unwanted Emissions and conducted output power tests in this report. For other data, please refer to the original report.



Summary of Test Results			
Clause	Test Items	FCC/IC Rules	Test Results
1	Conducted Output Power	FCC 15.407 (a) RSS-247 Clause 6.2	PASS
2	Radiated Bandedge and Spurious Emission	FCC 15.407 (b) FCC 15.209 FCC 15.205 RSS-247 Clause 6.2 RSS-GEN Clause 8.9	PASS
3	Antenna Requirement	FCC 15.203 RSS-GEN Clause 6.8	PASS
<p>Note:</p> <p>1. This test report is only published to and used by the applicant, and it is not for evidence purpose in China.</p> <p>2. The measurement result for the sample received is &lt;Pass&gt; according to &lt; CFR 47 FCC PART 15 SUBPART C &gt;&gt; ISED RSS-247 &gt; when &lt;Accuracy Method&gt; decision rule is applied.</p>			



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# 1. ATTESTATION OF TEST RESULTS

## Applicant Information

Company Name: Guangzhou Shikun Electronics Co., Ltd  
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## Manufacturer Information

Company Name: Guangzhou Shikun Electronics Co., Ltd  
Address: NO.6 Liankun Road, Huangpu District, Guangzhou, China

## EUT Description

EUT Name: IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module  
Integrated BT 2.1+EDR/4.2/5.0  
Model: SKI.WB638BU.2\_668BU  
Sample Status: Normal  
Sample ID: 3722611  
Sample Received date: March 2, 2021  
Date Tested: March 2 ~ 23, 2021

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 FCC PART 15 SUBPART C	PASS
ISED RSS-247 Issue 2	PASS
ISED RSS-GEN Issue 5	PASS

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## 2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10-2013, CFR 47 FCC Part 2, CFR 47 FCC Part 15, KDB 789033 D02 v02r01, RSS-GEN Issue 5, RSS-247 Issue 2, KDB414788 D01 Radiated Test Site v01 and KDB 662911 D01 Multiple Transmitter Output v02r01.

## 3. FACILITIES AND ACCREDITATION

Accreditation Certificate	<p><b>A2LA (Certificate No.: 4102.01)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA.</p> <p><b>FCC (FCC Designation No.: CN1187)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules</p> <p><b>ISED (Company No.: 21320)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046.</p> <p><b>VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber D, the VCCI registration No. is G-20019 and R-20004 Shielding Room B , the VCCI registration No. is C-20012 and T-20011</p>
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Note 1: All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China

Note 2: The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

Note 3: For below 30 MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30 MHz had been correlated to measurements performed on an OFS.





## 4. CALIBRATION AND UNCERTAINTY

### 4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognize national standards.

### 4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty
Conduction emission	3.62 dB
Radiated Emission (Included Fundamental Emission) (9 kHz ~ 30 MHz)	2.2 dB
Radiated Emission (Included Fundamental Emission) (30 MHz ~ 1 GHz)	4.00 dB
Radiated Emission (Included Fundamental Emission) (1 GHz to 26 GHz)	5.78 dB (1 GHz ~ 18 GHz)
	5.23 dB (18 GHz ~ 26 GHz)
Duty Cycle	±0.028%
Emission Bandwidth and 99% Occupied Bandwidth	±0.0196%
Maximum Conducted Output Power	±0.766 dB
Maximum Power Spectral Density Level	±1.22 dB
Frequency Stability	±2.76%
Conducted Band-edge Compliance	±1.328 dB
Conducted Unwanted Emissions In Non-restricted Frequency Bands	±0.746 dB (9 kHz ~ 1 GHz)
	±1.328dB (1 GHz ~ 26 GHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	



## 5. EQUIPMENT UNDER TEST

### 5.1. DESCRIPTION OF EUT

EUT Name	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.0
Model	SKI.WB638BU.2_668BU
Radio Technology	IEEE802.11a 20 IEEE802.11n HT20/n HT40 IEEE802.11ac VHT20/VHT40/VHT80
Operation frequency	UNII-1/UNII-2A/UNII-2C/UNII-3
Modulation	OFDM(BPSK,QPSK,16QAM,64QAM, 256QAM only for 11 ac mode)
Rated Input	DC 3.3V
Permissive Change	C2PC

## 5.1. MAXIMUM EIRP

### UNII-1 BAND

IEE Std.	Frequency (MHz)	Max Power (dBm)	Max EIRP (dBm)
802.11a 20	5150-5250	12.58	17.78
802.11n HT20	5150-5250	11.53	19.74
802.11n HT40	5150-5250	11.72	19.93
802.11ac VHT20	5150-5250	10.99	19.20
802.11ac VHT40	5150-5250	11.75	19.96
802.11ac VHT80	5150-5250	13.02	21.23

### UNII-2A BAND

IEE Std.	Frequency (MHz)	Max Power (dBm)
802.11a 20	5250-5350	14.01
802.11n HT20	5250-5350	15.41
802.11n HT40	5250-5350	15.27
802.11ac VHT20	5250-5350	16.30
802.11ac VHT40	5250-5350	15.26
802.11ac VHT80	5250-5350	14.73

### UNII-2C BAND

IEE Std.	Frequency (MHz)	Max Power (dBm)
802.11a 20	5470-5725	14.84
802.11n HT20	5470-5725	16.23
802.11n HT40	5470-5725	14.70
802.11ac VHT20	5470-5725	17.45
802.11ac VHT40	5470-5725	14.66
802.11ac VHT80	5470-5725	13.42

### UNII-3 BAND

IEE Std. 802.11	Frequency (MHz)	Max Power (dBm)
802.11a 20	5725-5850	14.34
802.11n HT20	5725-5850	15.37
802.11n HT40	5725-5850	13.89
802.11ac VHT20	5725-5850	16.46
802.11ac VHT40	5725-5850	14.40
802.11ac VHT80	5725-5850	13.57

## 5.2. CHANNEL LIST

20 MHz Bandwidth Channel frequencies		
Band	Channel	Frequency (MHz)
UNII-1	36	5180
	40	5200
	44	5220
	48	5240
UNII-2A	52	5260
	56	5280
	60	5300
	64	5320
UNII-2C	100	5500
	104	5520
	108	5540
	112	5560
	116	5580
	132	5660
	136	5680
	140	5700
UNII-3	149	5745
	153	5765
	157	5785
	161	5805
	165	5825

40 MHz Bandwidth Channel frequencies		
Band	Channel	Frequency (MHz)
UNII-1	38	5190
	46	5230
UNII-2	54	5270
	62	5310
UNII-2C	102	5510
	110	5550
	134	5670
UNII-3	151	5755
	159	5795



80 MHz Bandwidth Channel frequencies		
Band	Channel	Frequency (MHz)
UNII-1	42	5210
UNII-2A	58	5290
UNII-2C	106	5530
	122	5610
UNII-3	155	5775

Straddle Channel frequencies		
Bandwidth	Channel	Frequency (MHz)
20MHz	144	5720
40MHz	142	5710
80MHz	138	5690

### 5.3. DESCRIPTION OF AVAILABLE ANTENNAS

KTC ANTENNA:

Antenna model	SN.	Frequency (MHz)	Antenna Type	MAX. Antenna Gain (dBi)
1(WIFI0)	A100-0062	UNII-1&UNII-2A&UNII-3C&UNII-3	Dipole Antenna	5
2(WIFI1)	A100-0062	UNII-1&UNII-2A&UNII-3C&UNII-3	Dipole Antenna	5

Note:

Directional gain=  $G_{ANT} + 10 \log[N_{ANT}] = 8.0 \text{ dBi}$

$G_{ANT}$  : Average of the Antenna Gain

$N_{ANT}$  : Antenna numbers

IEE Std. 802.11	Transmit and Receive Mode	Description
802.11a	<input checked="" type="checkbox"/> 2TX, 2RX	ANT 1, 2 can be used as transmitting/receiving antenna.
802.11n HT20	<input checked="" type="checkbox"/> 2TX, 2RX	ANT 1, 2 can be used as transmitting/receiving antenna.
802.11n HT40	<input checked="" type="checkbox"/> 2TX, 2RX	ANT 1, 2 can be used as transmitting/receiving antenna.
802.11ac VHT20	<input checked="" type="checkbox"/> 2TX, 2RX	ANT 1, 2 can be used as transmitting/receiving antenna.
802.11ac VHT40	<input checked="" type="checkbox"/> 2TX, 2RX	ANT 1, 2 can be used as transmitting/receiving antenna.
802.11ac VHT80	<input checked="" type="checkbox"/> 2TX, 2RX	ANT 1, 2 can be used as transmitting/receiving antenna.

Note:

1. Only 802.11a does not support MIMO mode

INNO-LINK ANTENNA:

Antenna model	SN.	Frequency (MHz)	Antenna Type	MAX. Antenna Gain (dBi)
1(WIFI0)	INNO-EWFDKT-237	UNII-1&UNII-2A&UNII-3C&UNII-3	Dipole Antenna	5.2
2(WIFI1)	INNO-EWFDKT-237	UNII-1&UNII-2A&UNII-3C&UNII-3	Dipole Antenna	5.2

Note:

Directional gain=  $G_{ANT} + 10 \log[N_{ANT}] = 8.21 \text{ dBi}$

$G_{ANT}$  : Average of the Antenna Gain

$N_{ANT}$  : Antenna numbers

IEE Std. 802.11	Transmit and Receive Mode	Description
802.11a	<input checked="" type="checkbox"/> 2TX, 2RX	ANT 1, 2 can be used as transmitting/receiving antenna.
802.11n HT20	<input checked="" type="checkbox"/> 2TX, 2RX	ANT 1, 2 can be used as transmitting/receiving antenna.
802.11n HT40	<input checked="" type="checkbox"/> 2TX, 2RX	ANT 1, 2 can be used as transmitting/receiving antenna.
802.11ac VHT20	<input checked="" type="checkbox"/> 2TX, 2RX	ANT 1, 2 can be used as transmitting/receiving antenna.
802.11ac VHT40	<input checked="" type="checkbox"/> 2TX, 2RX	ANT 1, 2 can be used as transmitting/receiving antenna.
802.11ac VHT80	<input checked="" type="checkbox"/> 2TX, 2RX	ANT 1, 2 can be used as transmitting/receiving antenna.

Note:

1. Only 802.11a does not support MIMO mode

Note:

1. The value of the antenna gain was declared by customer.
2. BT&WLAN 2.4G, BT& WLAN 5G can transmit simultaneously. (declared by client)
3. The EUT have two kinds of antennas, one is called KTC antenna and the other one called INNO-LINK antenna.

## 5.4. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter	
Test Software	QA tool

### UNII-1

Mode	Rate	Channel	Soft set value	
			ANT1	ANT2
11a	6M	36	1C	1C
		40	1C	1C
		48	1B	1B
11n HT20	MCS0	36	18	18
		40	17	17
		48	18	18
11n HT40	MCS0	38	17	17
		46	17	17
11ac VHT20	MCS0	36	18	18
		40	17	17
		48	18	18
11ac VHT40	MCS0	38	17	17
		46	17	17
11ac VHT80	MCS0	42	1A	1A

### UNII-2A

Mode	Rate	Channel	Soft set value	
			ANT1	ANT2
11a	6M	52	1A	1A
		60	1A	1A
		64	1A	1A
11n HT20	MCS0	52	19	19
		60	1A	1A
		64	19	19
11n HT40	MCS0	54	18	18
		62	18	18
11ac VHT20	MCS0	52	19	19
		60	1A	1A
		64	1A	1A
11ac VHT40	MCS0	54	18	18
		62	16	16
11ac VHT80	MCS0	58	1B	1B





UNII-2C

Mode	Rate	Channel	Soft set value	
			ANT1	ANT2
11a	6M	100	19	19
		120	19	19
		140	1A	1A
11n HT20	MCS0	100	19	19
		120	19	19
		140	19	19
11n HT40	MCS0	102	16	16
		118	16	16
		134	16	16
11ac VHT20	MCS0	100	1B	1B
		120	1B	1B
		140	1C	1C
11ac VHT40	MCS0	102	16	16
		118	16	16
		134	16	16
11ac VHT80	MCS0	106	18	18
		122	18	18

UNII-3

Mode	Rate	Channel	Soft set value	
			ANT1	ANT2
11a	6M	149	19	19
		157	19	19
		165	19	19
11n HT20	MCS0	149	1A	1A
		157	1A	1A
		165	1A	1A
11n HT40	MCS0	151	16	16
		159	16	16
11ac VHT20	MCS0	149	1B	1B
		157	1B	1B
		165	1B	1B
11ac VHT40	MCS0	151	16	16
		159	16	16
11ac VHT80	MCS0	155	18	18



## 5.5. THE WORSE CASE CONFIGURATIONS

For SISO modes, there are two transmission antennas. The antenna used in any given time can be either ANTENNA 1 or ANTENNA 2. The output power measurement for SISO modes on both antennas are reported.

For 2TX MIMO modes, ANTENNA 1 and ANTENNA 2, used at the same time.

SISO mode and MIMO mode have the same power setting, so only the worst-case MIMO mode will be record in the report.

Worst-case data rates as provided by the client were:

802.11a mode: 6 Mbps

802.11n HT20 mode: MCS0

802.11n HT40 mode: MCS0

802.11ac VHT20 mode: MCS0

802.11ac VHT40 mode: MCS0

802.11ac VHT80 mode: MCS0

802.11ac VHT20 and VHT40 mode are different from 802.11nHT20 and HT40 only in control messages, so for these 4 modes, only 802.11ac VHT20 and 802.11ac VHT40 worst case power modes data are recorded in the report .

802.11ac VHT20/VHT40 SISO mode and MIMO mode have the same power setting, so only the worst case MIMO mode will be record in the report.

802.11a support SISO mode, two antenna have the same power setting, so only the worst data for antenna 1 are recorded in the report.

## 5.6. DESCRIPTION OF TEST SETUP

### SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	Remarks
1	Laptop	ThinkPad	X230i	/
2	Test fixture	/	/	/
3	AC/DC adapter	HUAWEI	HW-120150E2W	INPUT:100-240V~50/60Hz, 0.5A OUTPUT:12.0V, 1.5A

### I/O CABLES

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
1	USB	N/A	N/A	1	N/A

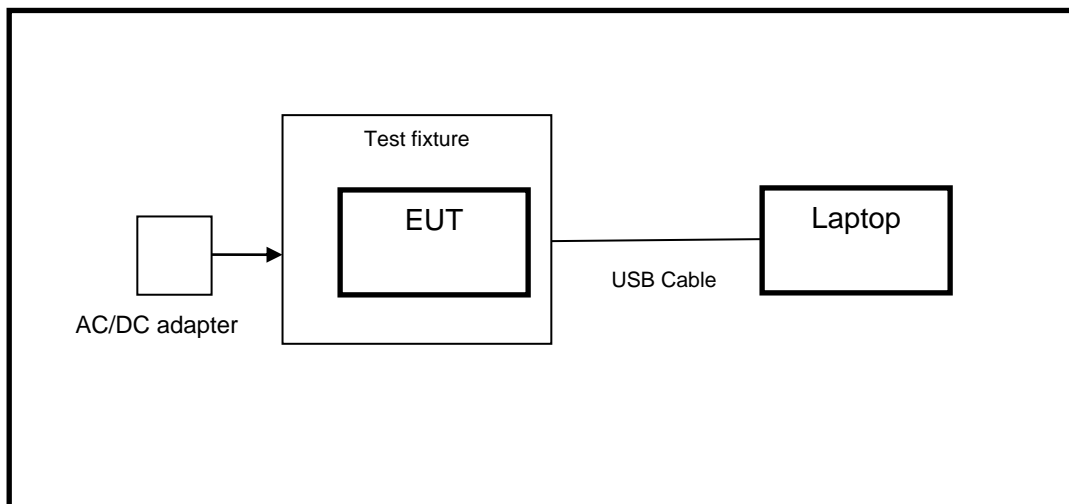
### ACCESSORIES

Item	Accessory	Brand Name	Model Name	Description
1	/	/	/	/

### TEST SETUP

The EUT can work in engineering mode with a software through a Laptop.

### SETUP DIAGRAM FOR TESTS



## 6. MEASURING INSTRUMENT AND SOFTWARE USED

Radiated Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
MXE EMI Receiver	KESIGHT	N9038A	MY56400036	Nov. 12, 2020	Nov. 11, 2021
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130960	Aug. 11, 2018	Aug. 10, 2021
Preamplifier	HP	8447D	2944A09099	Nov. 12, 2020	Nov. 11, 2021
EMI Measurement Receiver	R&S	ESR26	101377	Nov. 12, 2020	Nov. 11, 2021
Horn Antenna	TDK	HRN-0118	130939	Sept. 17, 2018	Sept. 17, 2021
Preamplifier	TDK	PA-02-0118	TRS-305-00067	Nov. 20, 2020	Nov. 19, 2021
Horn Antenna	Schwarzbeck	BBHA9170	#691	Aug. 11, 2018	Aug. 11, 2021
Preamplifier	TDK	PA-02-2	TRS-307-00003	Nov. 12, 2020	Nov. 11, 2021
Preamplifier	TDK	PA-02-3	TRS-308-00002	Nov. 12, 2020	Nov. 11, 2021
Loop antenna	Schwarzbeck	1519B	00008	Jan.17, 2019	Jan.17,2022
Preamplifier	TDK	PA-02-001-3000	TRS-302-00050	Nov. 12, 2020	Nov. 11, 2021
Preamplifier	Mini-Circuits	ZX60-83LN-S+	SUP01201941	Nov. 20, 2020	Nov. 19, 2021
Highpass Filter	Wainwright	WHKX10-5850-6500-1800-40SS	4	Nov. 12, 2020	Nov. 11, 2021
Band Reject Filter	Wainwright	WRCJV12-5695-5725-5850-5880-40SS	4	Nov. 12, 2020	Nov. 11, 2021
Band Reject Filter	Wainwright	WRCJV20-5120-5150-5350-5380-60SS	2	Nov. 12, 2020	Nov. 11, 2021
Band Reject Filter	Wainwright	WRCJV20-5440-5470-5725-5755-60SS	1	Nov. 12, 2020	Nov. 11, 2021
Software					
Description			Manufacturer	Name	Version
Test Software for Radiated Emissions			Farad	EZ-EMC	Ver. UL-3A1



Tonsend RF Test System					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
Wideband Radio Communication Tester	R&S	CMW500	155523	Nov.20,2020	Nov.19,2021
PXA Signal Analyzer	Keysight	N9030A	MY55410512	Nov.20,2020	Nov.19,2021
MXG Vector Signal Generator	Keysight	N5182B	MY56200284	Nov.20,2020	Nov.19,2021
MXG Vector Signal Generator	Keysight	N5172B	MY56200301	Nov.20,2020	Nov.19,2021
DC power supply	Keysight	E3642A	MY55159130	Nov.24,2020	Nov.23,2021
Temperature & Humidity Chamber	SANMOOD	SG-80-CC-2	2088	Nov.20,2020	Nov.19,2021
Software					
Description	Manufacturer	Name		Version	
Tonsend SRD Test System	Tonsend	JS1120-3 RF Test System		2.6.77.0518	

Other Instruments					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Dual Channel Power Meter	Keysight	N1912A	MY55416024	Nov. 20, 2020	Nov. 19, 2021
Power Sensor	Keysight	USB Wideband Power Sensor	MY5100022	Nov. 20, 2020	Nov. 19, 2021

## 7. ANTENNA PORT TEST RESULTS

### 7.1. ON TIME AND DUTY CYCLE

#### LIMITS

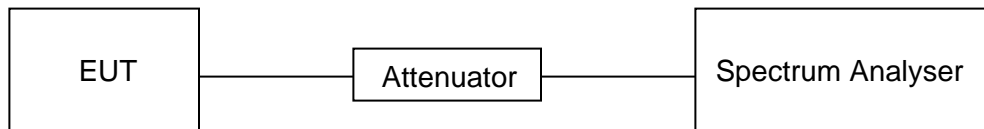
None; for reporting purposes only.

#### PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.B.

The zero-span mode on a spectrum analyzer or EMI receiver, if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal. Set the center frequency of the instrument to the center frequency of the transmission. Set  $RBW \geq EBW$  if possible; otherwise, set RBW to the largest available value. Set  $VBW \geq RBW$ . Set detector = peak or average. The zero-span measurement method shall not be used unless both RBW and VBW are  $> 50/T$ , where T is defined in II.B.1.a), and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if  $T \leq 16.7$  microseconds.)

#### TEST SETUP



#### TEST ENVIRONMENT

Temperature	23.1 °C	Relative Humidity	52 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 3.3 V

#### RESULTS



Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (db)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11A	1.38	1.42	0.97	97%	0.13	0.72	1
11N20MIMO	1.29	1.34	0.96	96%	0.18	0.78	1
11N40MIMO	0.61	0.68	0.90	90 %	0.46	1.64	2
11AC80MIMO	0.90	1.56	0.58	58 %	2.37	1.11	2

Note:

Duty Cycle Correction Factor= $10\log(1/x)$ .

Where: x is Duty Cycle (Linear)

Where: T is On Time (transmit duration)

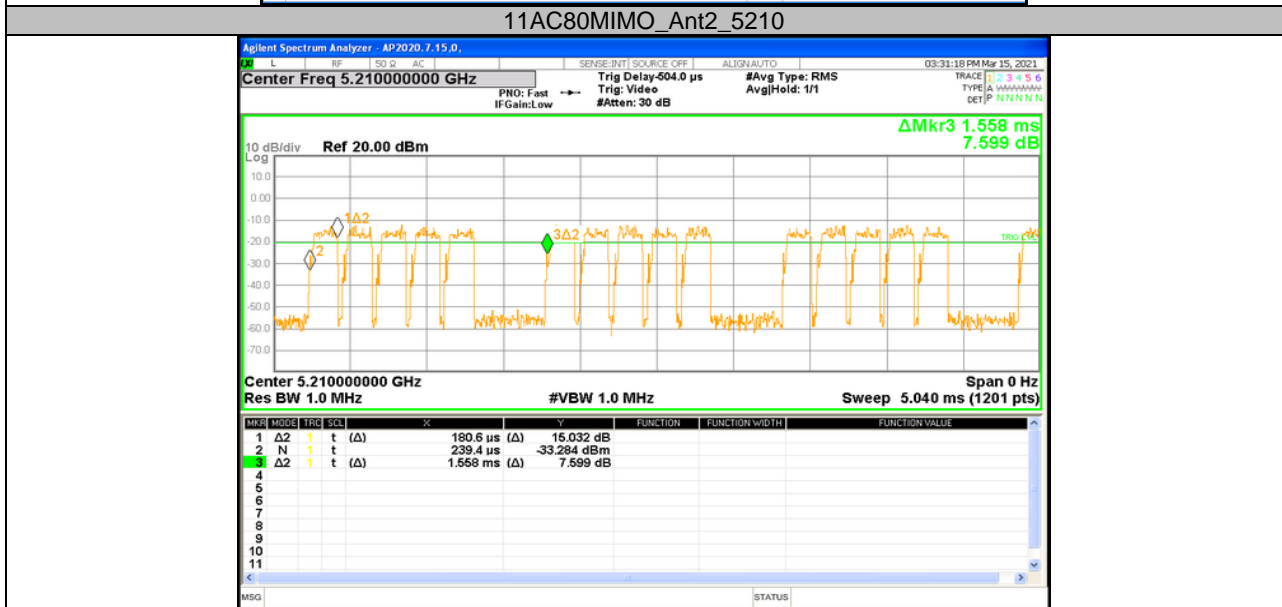
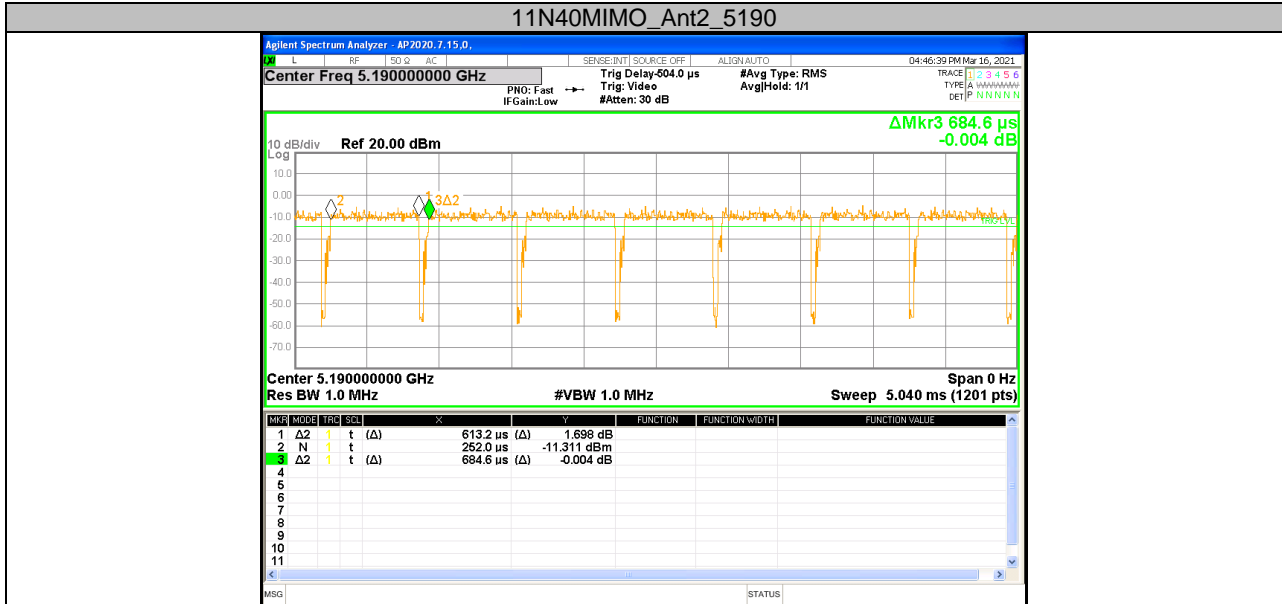
If that calculated VBW is not available on the analyzer then the next higher value should be used.



### Test Graphs









## 7.2. CONDUCTED OUTPUT POWER

### LIMITS

CFR 47 FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power	<input type="checkbox"/> Outdoor Access Point: 1 W (30 dBm) <input type="checkbox"/> Indoor Access Point: 1 W (30 dBm) <input type="checkbox"/> Fixed Point-To-Point Access Points: 1 W (30 dBm) <input checked="" type="checkbox"/> Client Devices: 250 mW (24 dBm)	5150 ~ 5250
	Shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz.	5250 ~ 5350 5470 ~ 5725
	Shall not exceed 1 Watt (30 dBm).	5725 ~ 5850

ISED RSS-247 ISSUE 2		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power or e.i.r.p.	The maximum e.i.r.p. shall not exceed 200 mW (23 dBm) or 10 + 10 log <sub>10</sub> B, dBm, whichever power is less. B is the 99 % emission bandwidth in megahertz.	5150 ~ 5250
	a. The maximum conducted output power shall not exceed 250 mW (24 dBm) or 11 + 10 log <sub>10</sub> B dBm, whichever is less. b. The maximum e.i.r.p. shall not exceed 1.0 W (30 dBm) or 17 + 10 log <sub>10</sub> B dBm, whichever is less. B is the 99 % emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.	5250 ~ 5350 5470 ~ 5600 5650 ~ 5725
	Shall not exceed 1 Watt (30 dBm). The e.i.r.p. shall not exceed 4 W	5725 ~ 5850

Note:

The above limits are based upon the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

## **TEST PROCEDURE**

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.E.

### **Method SA-1 (trace averaging with the EUT transmitting at full power throughout each sweep):**

- (i) Set span to encompass the entire emission bandwidth (EBW) (or, alternatively, the entire 99% occupied bandwidth) of the signal.
- (ii) Set RBW = 1 MHz.
- (iii) Set VBW  $\geq$  3 MHz.
- (iv) Number of points in sweep  $\geq 2 \times$  span / RBW. (This ensures that bin-to-bin spacing is  $\leq$  RBW/2, so that narrowband signals are not lost between frequency bins.)
- (v) Sweep time = auto.
- (vi) Detector = power averaging (rms), if available. Otherwise, use sample detector mode.
- (vii) If transmit duty cycle  $<$  98 %, use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle  $\geq$  98 %, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to “free run.”
- (viii) Trace average at least 100 traces in power averaging (rms) mode.
- (ix) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument’s band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the spectrum.

### **Method PM (Measurement using an RF average power meter):**

- (i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the following conditions are satisfied:
  - a. The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
  - b. At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.
  - c. The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
- (ii) If the transmitter does not transmit continuously, measure the duty cycle,  $x$ , of the transmitter output signal as described in II.B.
- (iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
- (iv) Adjust the measurement in dBm by adding  $10 \log (1/x)$  where  $x$  is the duty cycle (e.g.,  $10 \log (1/0.25)$  if the duty cycle is 25 %).

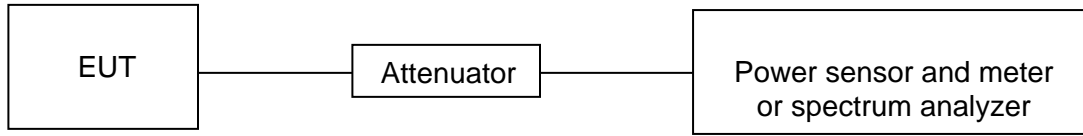
### **Method PM-G (Measurement using a gated RF average power meter):**

Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

Straddle channel power was measured using spectrum analyzer.



**TEST SETUP**



**TEST ENVIRONMENT**

Temperature	23.2 °C	Relative Humidity	52 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 3.3 V

**RESULTS**



Mode	Freq (MHz)	Av.Power (dBm)			FCC Limit (dBm)	ISED EIRP (dBm)			ISED Limit (dBm)	Verdict
		ANT1	ANT2	Total		ANT1	ANT2	Total		
802.11a20	5180	11.12	11.82	/	24.00	16.32	17.02	/	22.24	PASS
	5200	11.76	12.44	/	24.00	16.96	17.64	/	22.24	PASS
	5240	11.96	12.58	/	24.00	17.16	17.78	/	22.24	PASS
	5260	13.64	13.98	/	24.00	18.84	19.18	/	23.23	PASS
	5280	13.84	14.01	/	24.00	19.04	19.21	/	23.23	PASS
	5320	14.40	13.91	/	24.00	19.60	19.11	/	23.23	PASS
	5500	13.97	14.23	/	24.00	19.17	19.43	/	23.24	PASS
	5580	13.98	14.84	/	24.00	19.18	20.04	/	23.24	PASS
	5700	12.97	14.27	/	24.00	18.17	19.47	/	23.24	PASS
	5720-2C	11.68	12.26	/	24.00	16.88	17.46	/	22.31	PASS
	5720-3	4.06	4.61	/	30.00	9.26	9.81	/	30.00	PASS
	5745	12.57	14.12	/	30.00	17.77	19.32	/	30.00	PASS
	5785	12.18	14.34	/	30.00	17.38	19.54	/	30.00	PASS
	5825	11.77	13.41	/	30.00	16.97	18.61	/	30.00	PASS
802.11n 20M	5180	7.55	8.87	11.27	21.79	12.75	14.07	19.48	22.44	PASS
	5200	7.81	8.75	11.32	21.79	13.01	13.95	19.53	22.44	PASS
	5240	8.05	8.95	11.53	21.79	13.25	14.15	19.74	22.44	PASS
	5260	12.07	12.19	15.14	21.79	17.27	17.39	23.35	29.44	PASS
	5280	12.63	12.56	15.61	21.79	17.83	17.76	23.82	29.44	PASS
	5320	12.88	11.85	15.41	21.79	18.08	17.05	23.62	29.44	PASS
	5500	12.71	13.09	15.91	21.79	17.91	18.29	24.12	29.44	PASS
	5580	12.84	13.56	16.23	21.79	18.04	18.76	24.44	29.44	PASS
	5700	11.98	13.04	15.55	21.79	17.18	18.24	23.76	29.44	PASS
	5720-2C	11.06	11.65	14.38	22.79	16.26	16.85	22.59	29.44	PASS
	5720-3	3.39	4.84	7.19	26.79	8.59	10.04	15.40	28.81	PASS
	5745	11.53	13.06	15.37	27.79	/	/	/	28.81	PASS
	5785	11.09	13.23	15.30	27.79	/	/	/	28.81	PASS
	5825	10.85	12.36	14.68	27.79	/	/	/	28.81	PASS



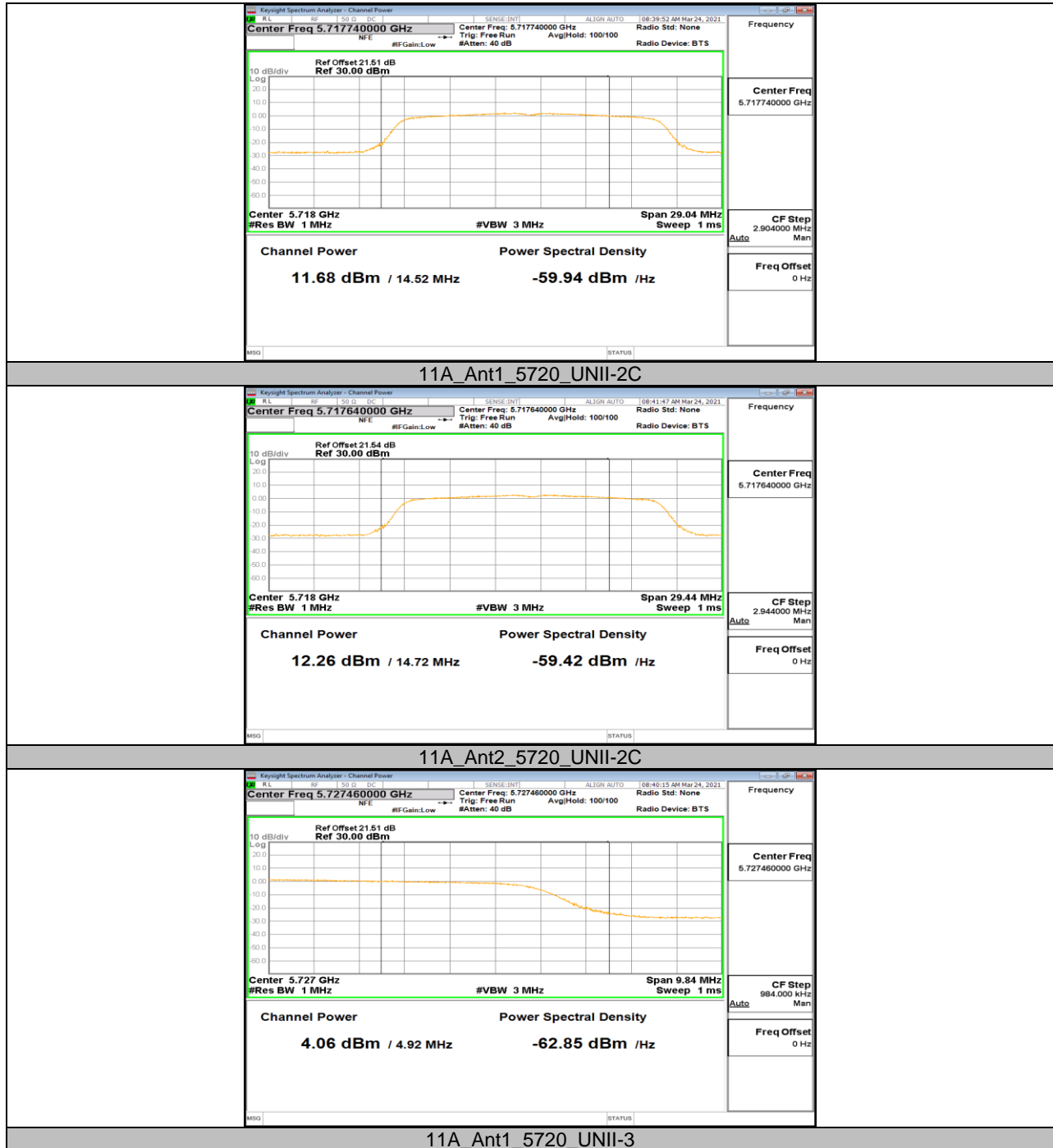
802.11n 40M	5190	8.27	9.10	11.72	21.79	13.47	14.30	19.93	23.00	PASS
	5230	8.33	9.04	11.71	21.79	13.53	14.24	19.92	23.00	PASS
	5270	11.94	12.36	15.17	21.79	17.14	17.56	23.38	30.00	PASS
	5310	12.50	12.01	15.27	21.79	17.70	17.21	23.48	30.00	PASS
	5510	10.45	11.07	13.78	21.79	15.65	16.27	21.99	30.00	PASS
	5550	11.40	11.96	14.70	21.79	16.60	17.16	22.91	30.00	PASS
	5670	11.06	10.88	13.98	21.79	16.26	16.08	22.19	30.00	PASS
	5710-2C	10.51	11.01	13.78	22.79	15.71	16.21	21.99	30.00	PASS
	5710-3	-1.56	-0.80	1.85	26.79	3.64	4.40	10.06	28.81	PASS
	5755	9.88	11.69	13.89	27.79	/	/	/	28.81	PASS
	5795	9.74	11.78	13.89	27.79	/	/	/	28.81	PASS
802.11ac 20M	5180	7.45	8.39	10.96	21.79	12.65	13.59	19.17	22.43	PASS
	5200	7.43	8.46	10.99	21.79	12.63	13.66	19.20	22.43	PASS
	5240	7.59	8.02	10.82	21.79	12.79	13.22	19.03	22.43	PASS
	5260	12.65	13.37	16.04	21.79	17.85	18.57	24.25	29.43	PASS
	5280	13.59	12.96	16.30	21.79	18.79	18.16	24.51	29.43	PASS
	5320	13.76	12.74	16.29	21.79	18.96	17.94	24.50	29.43	PASS
	5500	14.47	14.09	17.29	21.79	19.67	19.29	25.50	29.43	PASS
	5580	14.36	14.52	17.45	21.79	19.56	19.72	25.66	29.43	PASS
	5700	13.51	13.99	16.77	21.79	18.71	19.19	24.98	29.43	PASS
	5720-2C	11.71	12.31	15.03	22.79	16.91	17.51	23.24	29.43	PASS
	5720-3	4.86	5.57	8.24	26.79	10.06	10.77	16.45	28.81	PASS
	5745	12.70	14.09	16.46	27.79	/	/	/	28.81	PASS
	5785	12.27	14.15	16.32	27.79	/	/	/	28.81	PASS
5825	12.04	12.95	15.53	27.79	/	/	/	28.81	PASS	
802.11ac 40M	5190	8.15	9.12	11.67	21.79	13.35	14.32	19.88	23.00	PASS
	5230	8.29	9.14	11.75	21.79	13.49	14.34	19.96	23.00	PASS
	5270	12.37	12.13	15.26	21.79	17.57	17.33	23.47	24.00	PASS
	5310	12.17	11.15	14.70	21.79	17.37	16.35	22.91	30.00	PASS
	5510	10.09	10.79	13.46	21.79	15.29	15.99	21.67	30.00	PASS
	5550	11.89	11.40	14.66	21.79	17.09	16.60	22.87	30.00	PASS
	5670	11.65	11.34	14.51	21.79	16.85	16.54	22.72	30.00	PASS
	5710-2C	10.56	11.02	13.81	22.79	15.76	16.22	22.02	30.00	PASS
	5710-3	-1.47	-0.70	1.94	26.79	3.73	4.5	10.15	28.81	PASS
	5755	10.52	12.12	14.40	27.79	/	/	/	28.81	PASS
	5795	10.26	12.14	14.31	27.79	/	/	/	28.81	PASS



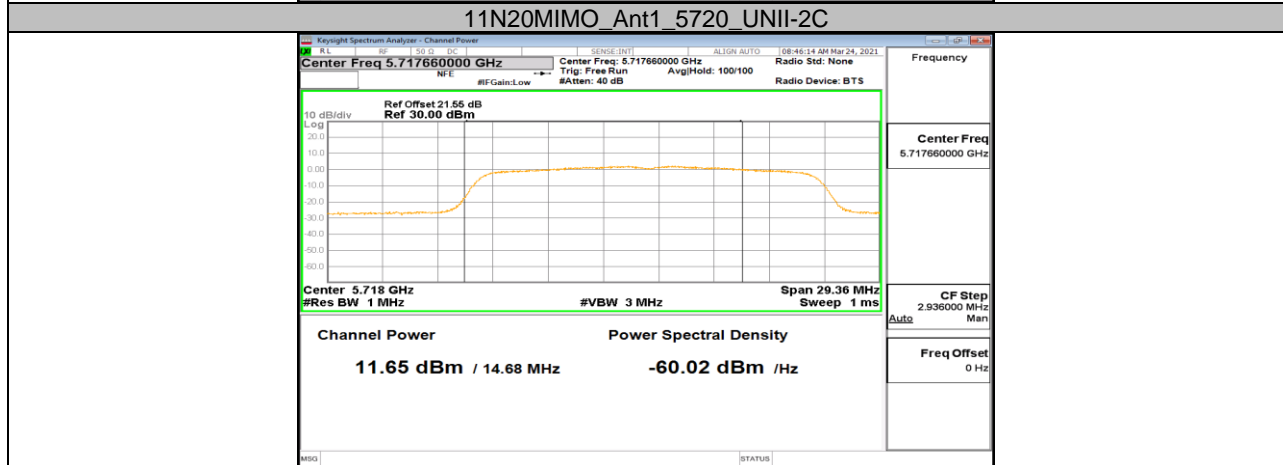
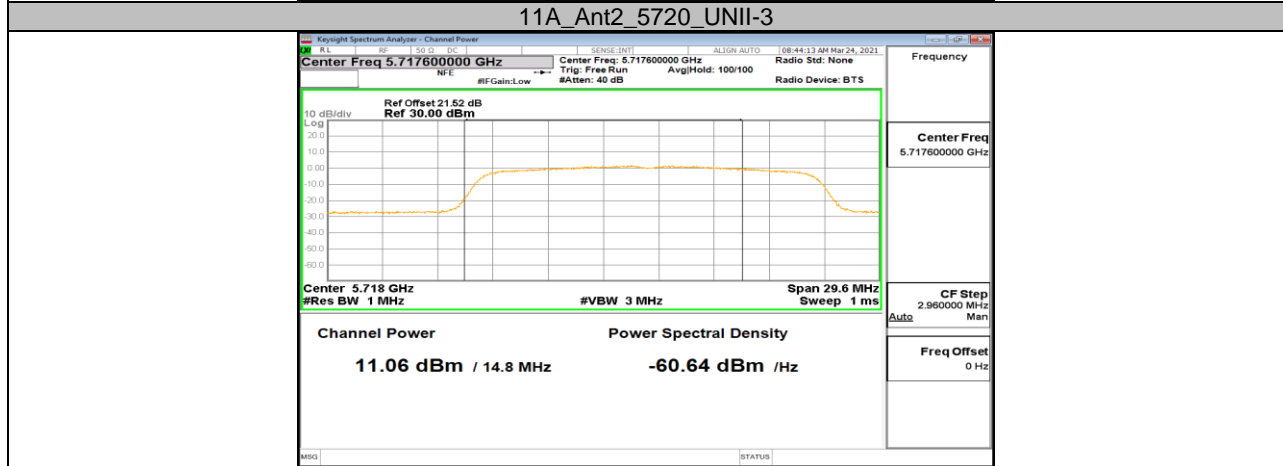
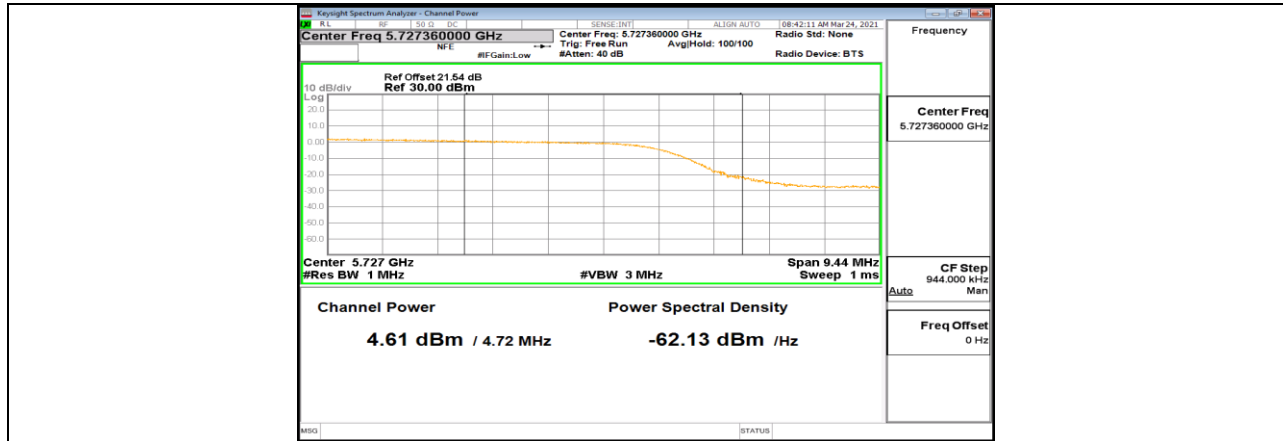
802.11ac 80M	5210	9.77	10.24	13.02	21.79	14.97	15.44	21.23	23.00	PASS
	5290	12.12	11.28	14.73	21.79	17.32	16.48	22.94	30.00	PASS
	5530	9.46	10.28	12.90	21.79	14.66	15.48	21.11	30.00	PASS
	5610	10.51	10.30	13.42	21.79	15.71	15.50	21.63	30.00	PASS
	5690-2C	10.06	9.88	12.98	22.79	15.26	15.08	21.19	30.00	PASS
	5690-3	-4.31	-3.92	-1.10	26.79	0.89	1.28	7.11	28.81	PASS
	5775	9.85	11.17	13.57	27.79	/	/	/	28.81	PASS

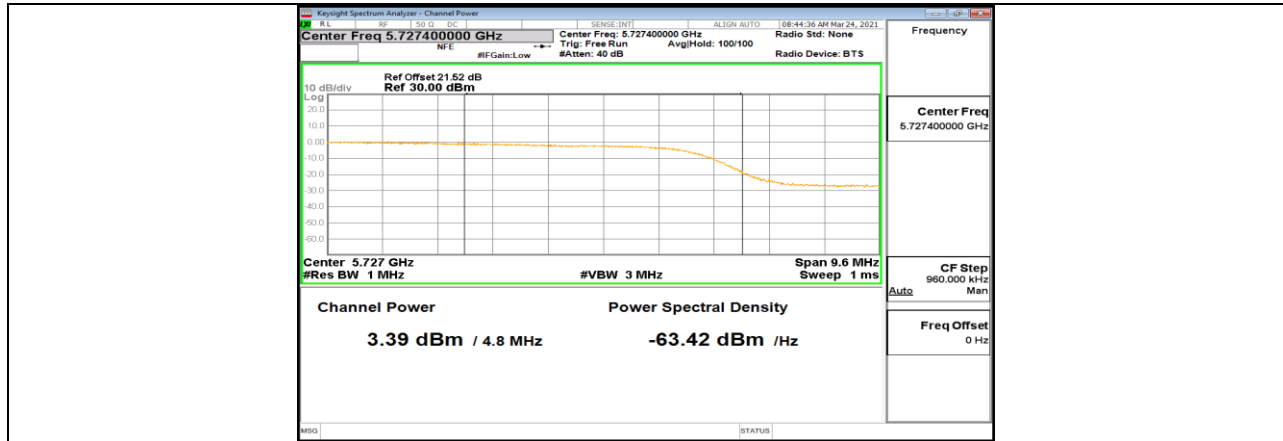
Note: 1. Conducted Power=Meas. Level+ Correction Factor  
2.EIRP=conducted Power + Antenna Gain  
3. The test results have already included the duty cycle correction factor. About correction Factor please refer to section 7.1

### 7.2.1. Test Graphs

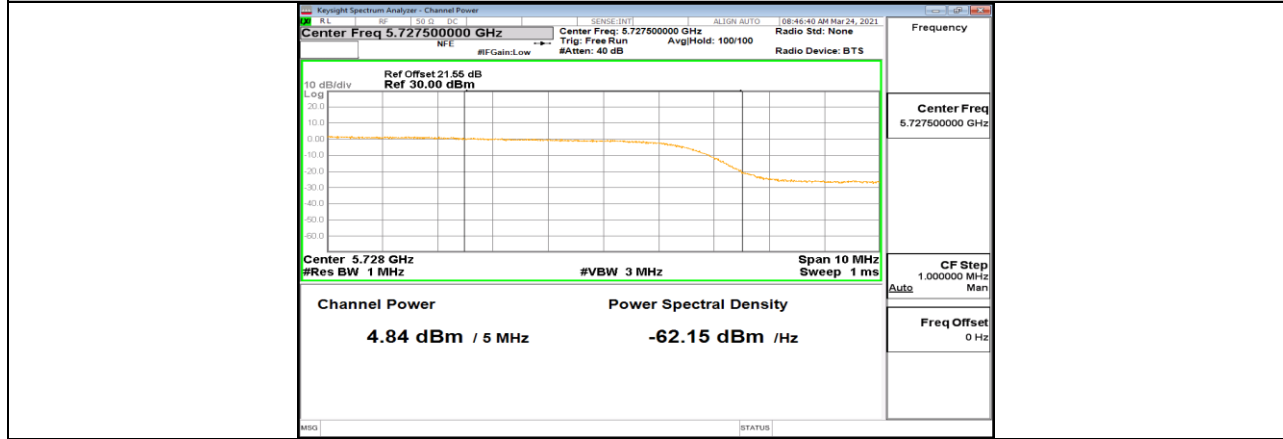




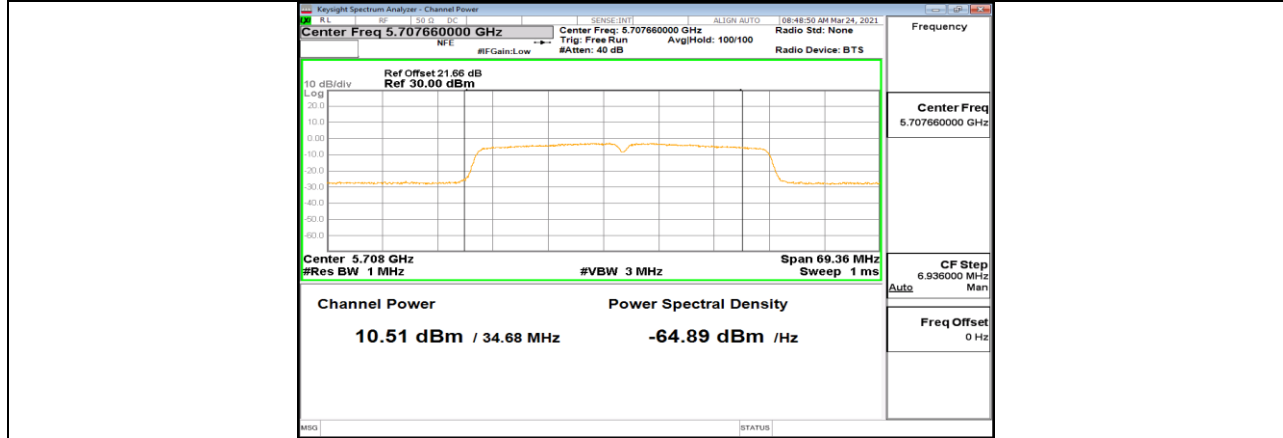




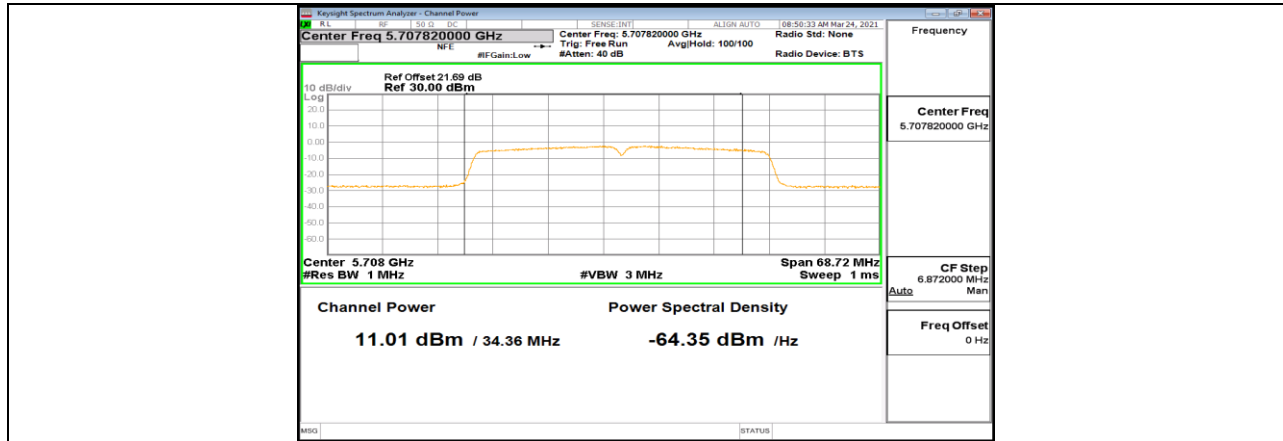
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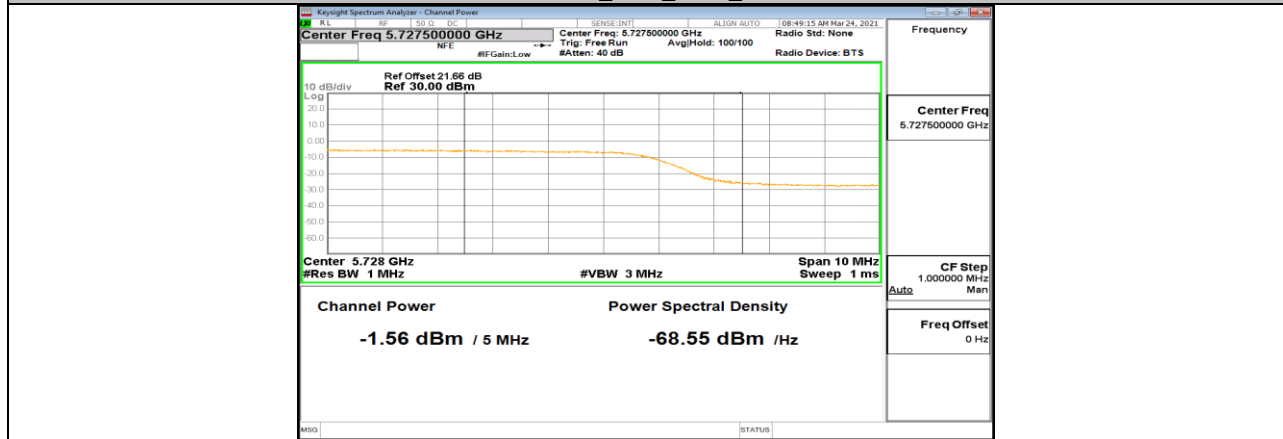
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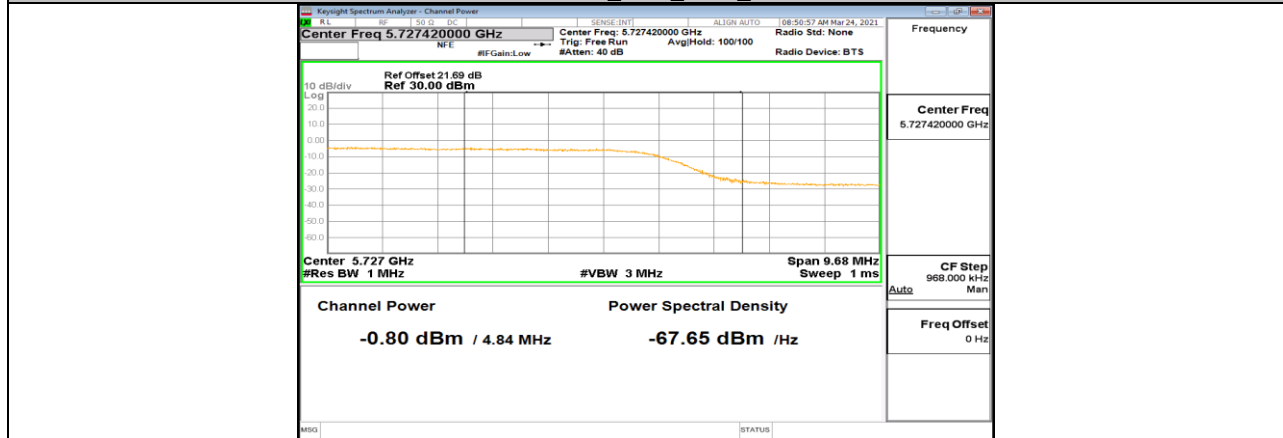
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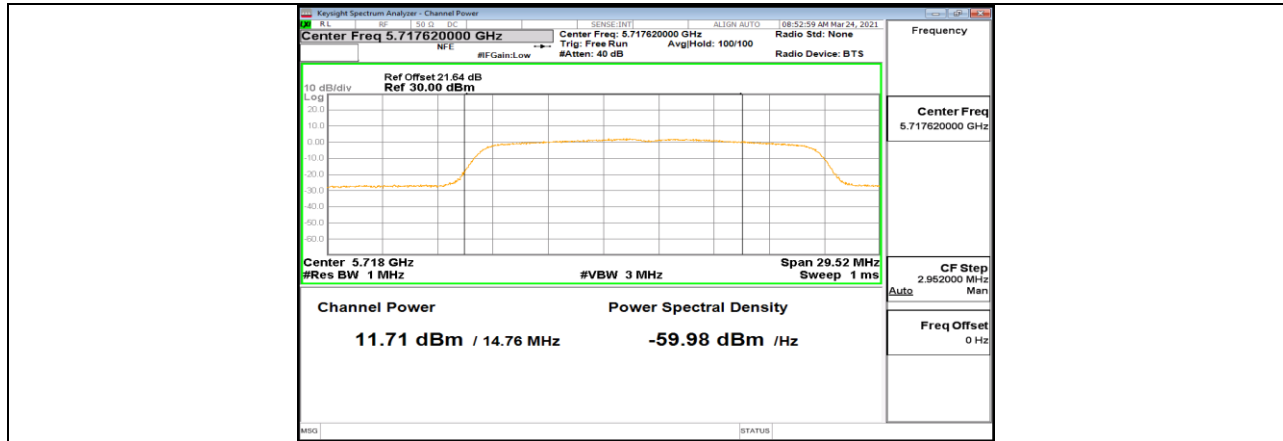
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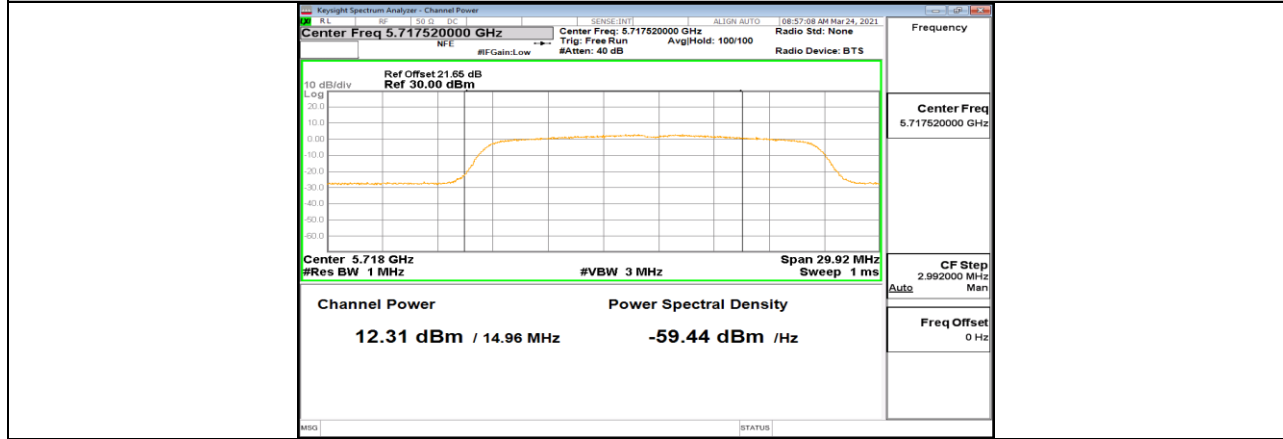
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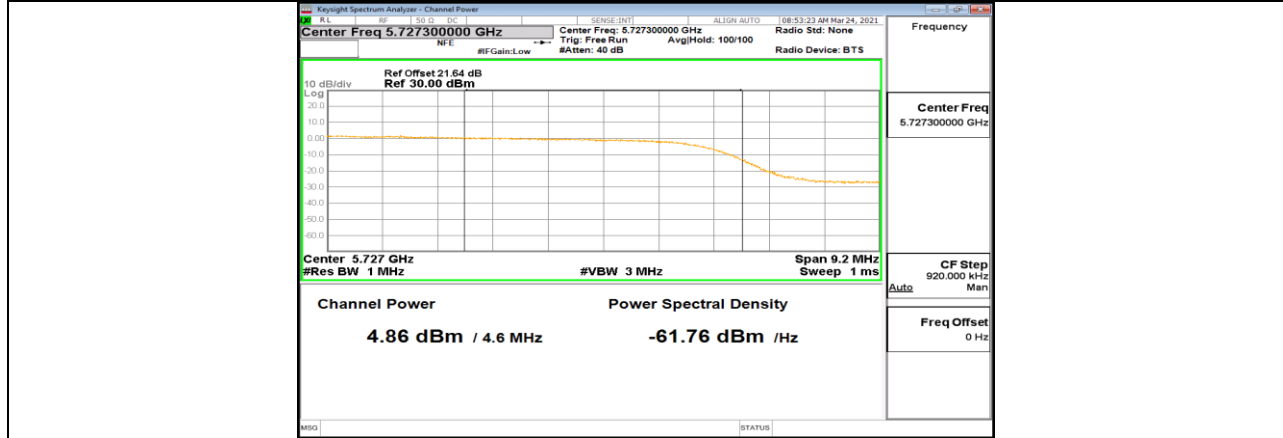
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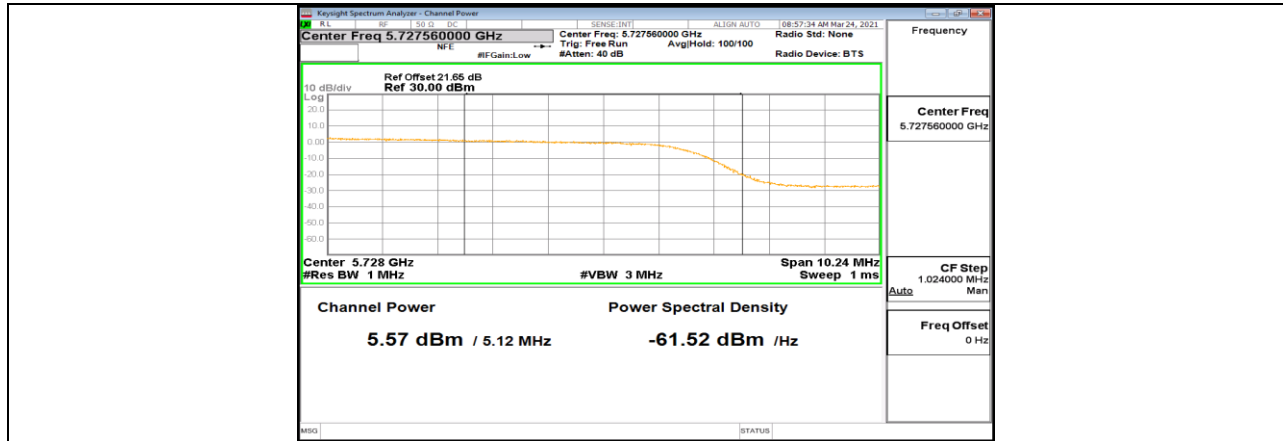
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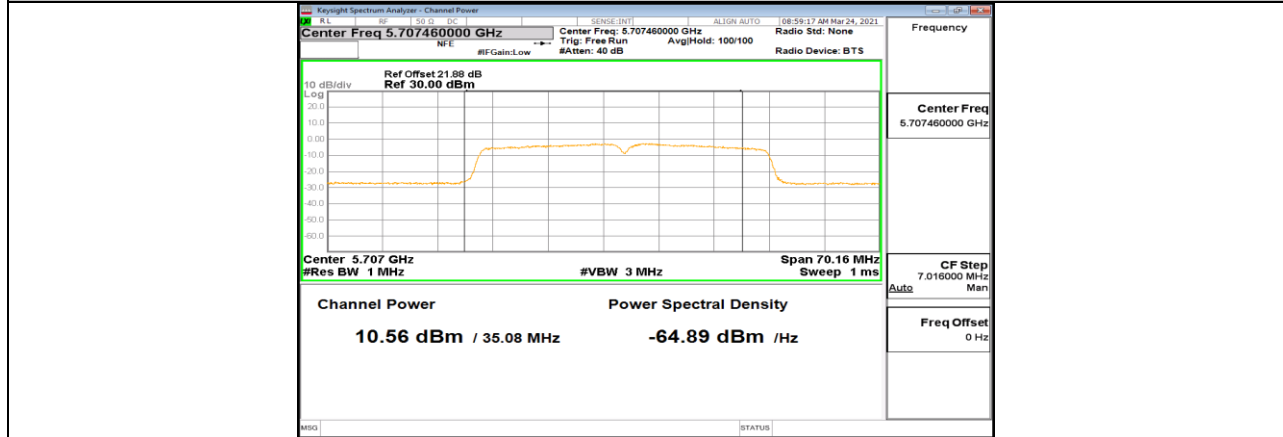
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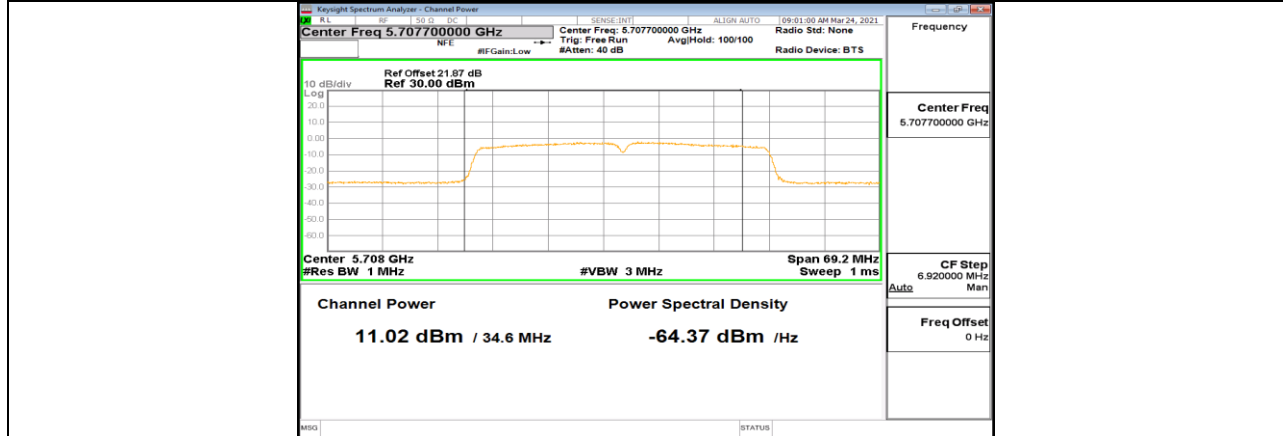
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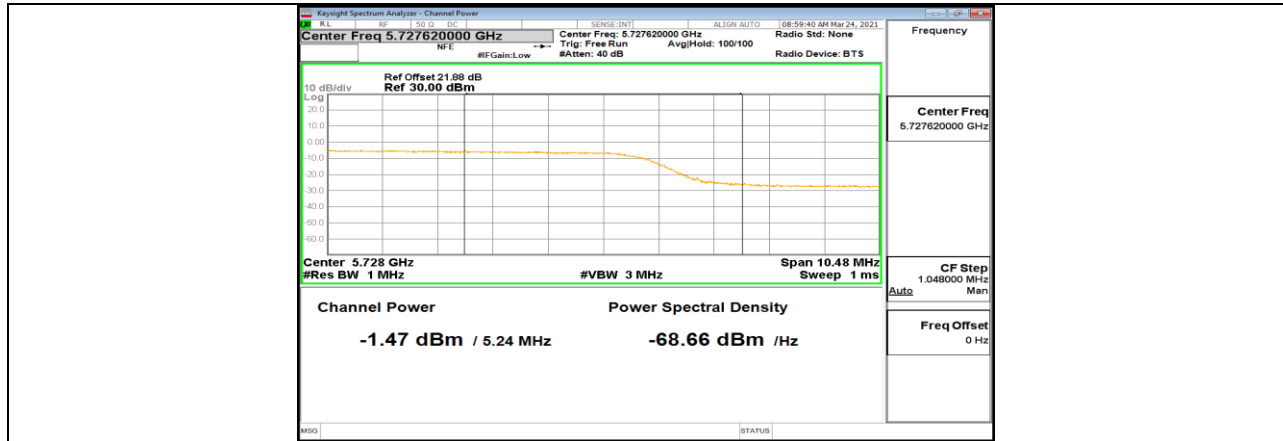
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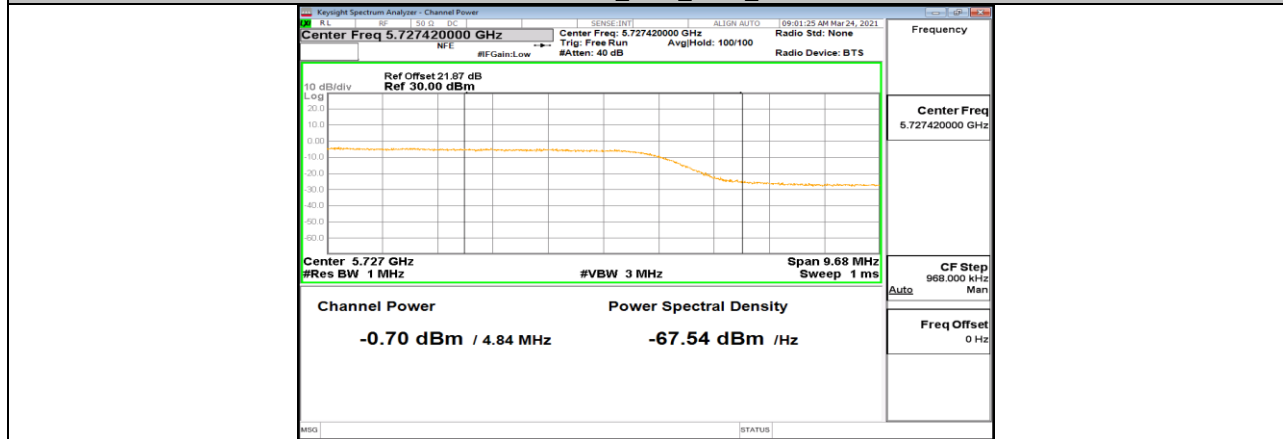
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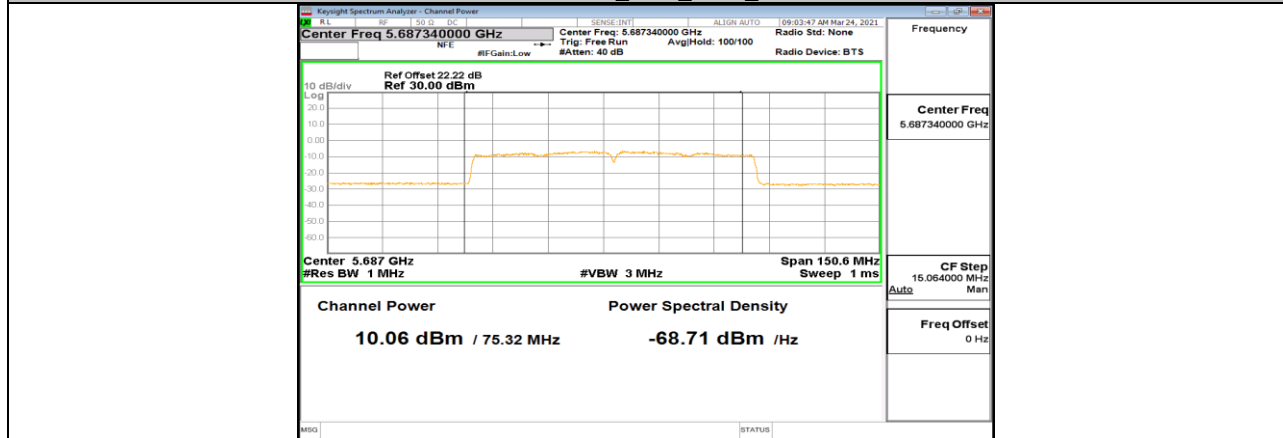
11AC40MIMO\_Ant2\_5710\_UNII-2C



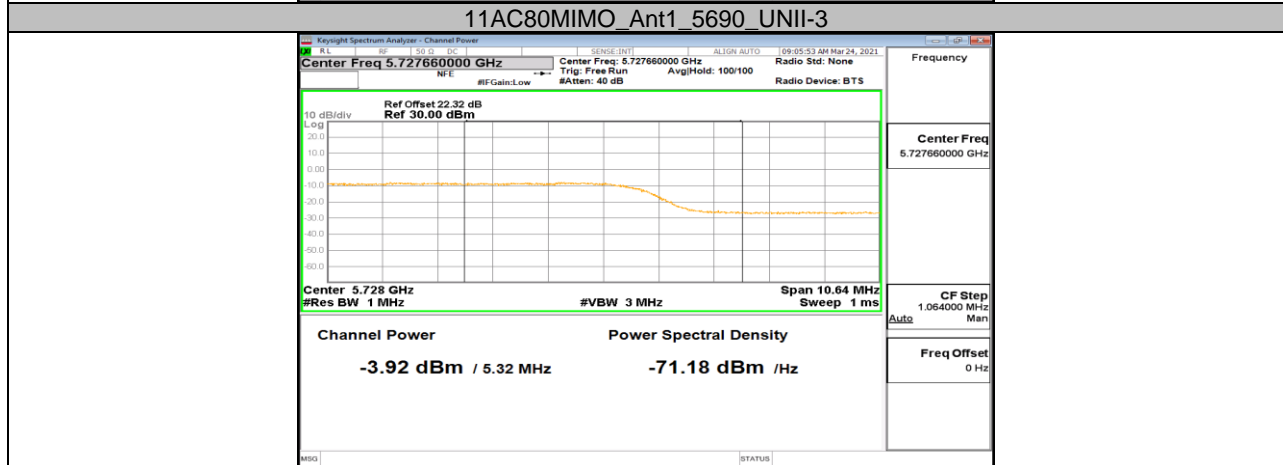
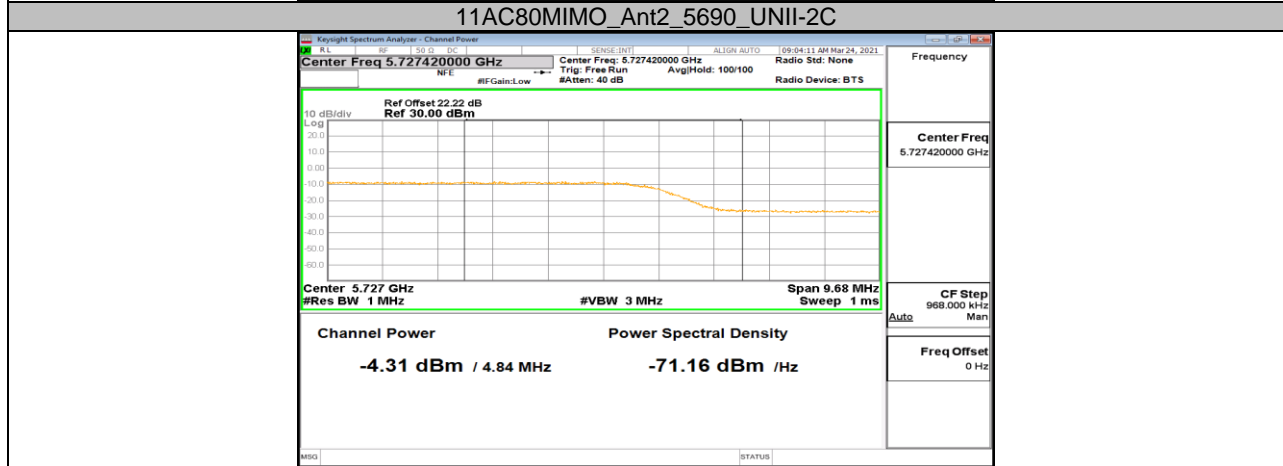
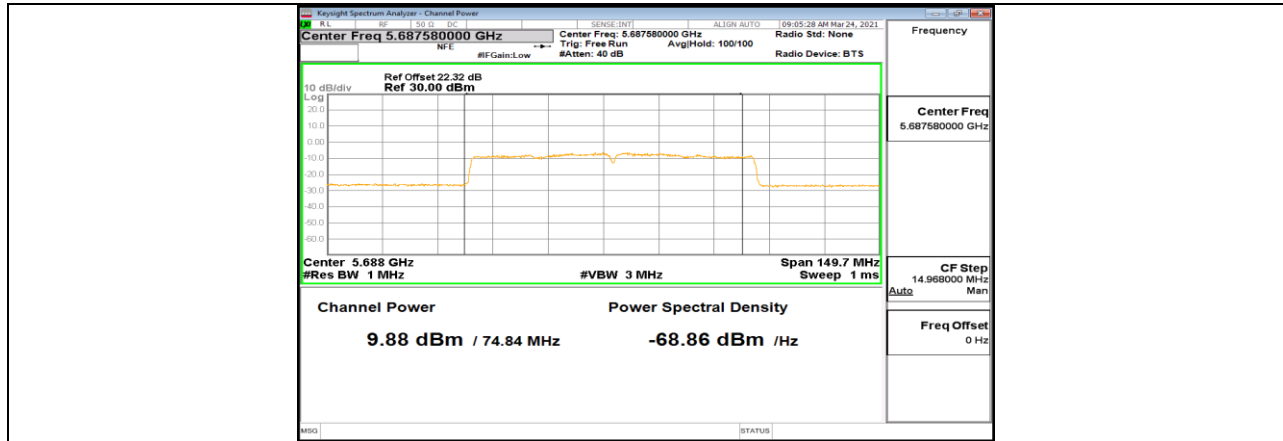
11AC40MIMO\_Ant1\_5710\_UNII-3



11AC40MIMO\_Ant2\_5710\_UNII-3



11AC80MIMO\_Ant1\_5690\_UNII-2C





## 8. RADIATED TEST RESULTS

### LIMITS

Refer to CFR 47 FCC §15.205, §15.209 and §15.407 (b).

Refer to ISED RSS-GEN Clause 8.9, Clause 8.10 and ISED RSS-247 6.2.

Radiation Disturbance Test Limit for FCC (Class B) (9 kHz ~ 1 GHz)

Emissions radiated outside of the specified frequency bands above 30 MHz			
Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m	
		Quasi-Peak	
30 - 88	100	40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	
Above 1000	500	Peak	Average
		74	54

FCC Emissions radiated outside of the specified frequency bands below 30 MHz		
Frequency (MHz)	Field strength (microvolts/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

ISED General field strength limits at frequencies below 30 MHz





Table 6 – General field strength limits at frequencies below 30 MHz		
Frequency	Magnetic field strength (H-Field) (µA/m)	Measurement distance (m)
9 - 490 kHz <sup>Note 1</sup>	6.37/F (F in kHz)	300
490 - 1705 kHz	63.7/F (F in kHz)	30
1.705 - 30 MHz	0.08	30

**Note 1:** The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

ISED Restricted bands refer to ISED RSS-GEN Clause 8.10

Table 7 – Restricted frequency bands <sup>Note 1</sup>		
MHz	MHz	GHz
0.090 - 0.110	149.9 - 150.05	9.0 - 9.2
0.495 - 0.505	156.52475 - 156.52525	9.3 - 9.5
2.1735 - 2.1905	156.7 - 156.9	10.8 - 12.7
3.020 - 3.028	162.0125 - 167.17	13.25 - 13.4
4.125 - 4.128	167.72 - 173.2	14.47 - 14.5
4.17725 - 4.17775	240 - 285	15.35 - 16.2
4.20725 - 4.20775	322 - 335.4	17.7 - 21.4
5.677 - 5.683	399.9 - 410	22.01 - 23.12
6.215 - 6.218	608 - 614	23.6 - 24.0
6.26775 - 6.26825	980 - 1427	31.2 - 31.8
6.31175 - 6.31225	1435 - 1626.5	36.43 - 36.5
8.291 - 8.294	1645.5 - 1646.5	Above 38.6
8.362 - 8.366	1660 - 1710	
8.37625 - 8.38675	1718.8 - 1722.2	
8.41425 - 8.41475	2200 - 2300	
12.29 - 12.293	2310 - 2390	
12.51975 - 12.52025	2483.5 - 2500	
12.57675 - 12.57725	2655 - 2900	
13.36 - 13.41	3260 - 3287	
16.42 - 16.423	3332 - 3339	
16.69475 - 16.69525	3345.8 - 3358	
16.80425 - 16.80475	3500 - 4400	
25.5 - 25.67	4500 - 5150	
37.5 - 38.25	5350 - 5460	
73 - 74.6	7250 - 7750	
74.8 - 75.2	8025 - 8500	
108 - 138		

**Note 1:** Certain frequency bands listed in table 7 and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

FCC Restricted bands of operation refer to FCC §15.205 (a):



MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
<sup>1</sup> 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	( <sup>2</sup> )
13.36-13.41			

Note: <sup>1</sup>Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

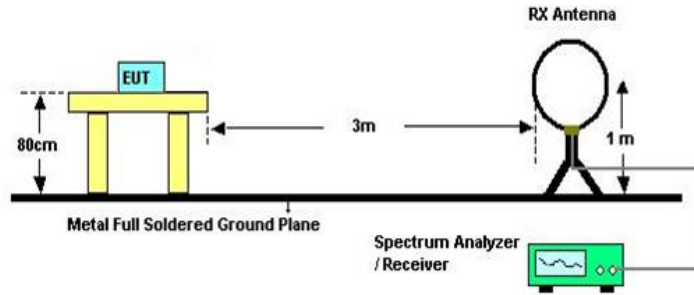
<sup>2</sup>Above 38.6c

Limits of unwanted/undesirable emission out of the restricted bands refer to CFR 47 FCC §15.407 (b) and ISSED RSS-247 6.2.

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1GHz)		
Frequency Range (MHz)	EIRP Limit	Field Strength Limit (dBuV/m) at 3 m
5150~5250 MHz	PK: -27 (dBm/MHz)	PK: 68.2(dBμV/m)
5250~5350 MHz		
5470~5725 MHz		
5725~5850 MHz	PK: -27 (dBm/MHz) *1 PK: 10 (dBm/MHz) *2 PK: 15.6 (dBm/MHz) *3 PK: 27 (dBm/MHz) *4	PK: 68.2(dBμV/m) *1 PK: 105.2 (dBμV/m) *2 PK: 110.8(dBμV/m) *3 PK: 122.2 (dBμV/m) *4
<p>Note:</p> <p>*1 beyond 75 MHz or more above of the band edge.</p> <p>*2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.</p> <p>*3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.</p> <p>*4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.</p>		

**TEST SETUP AND PROCEDURE**

Below 30 MHz

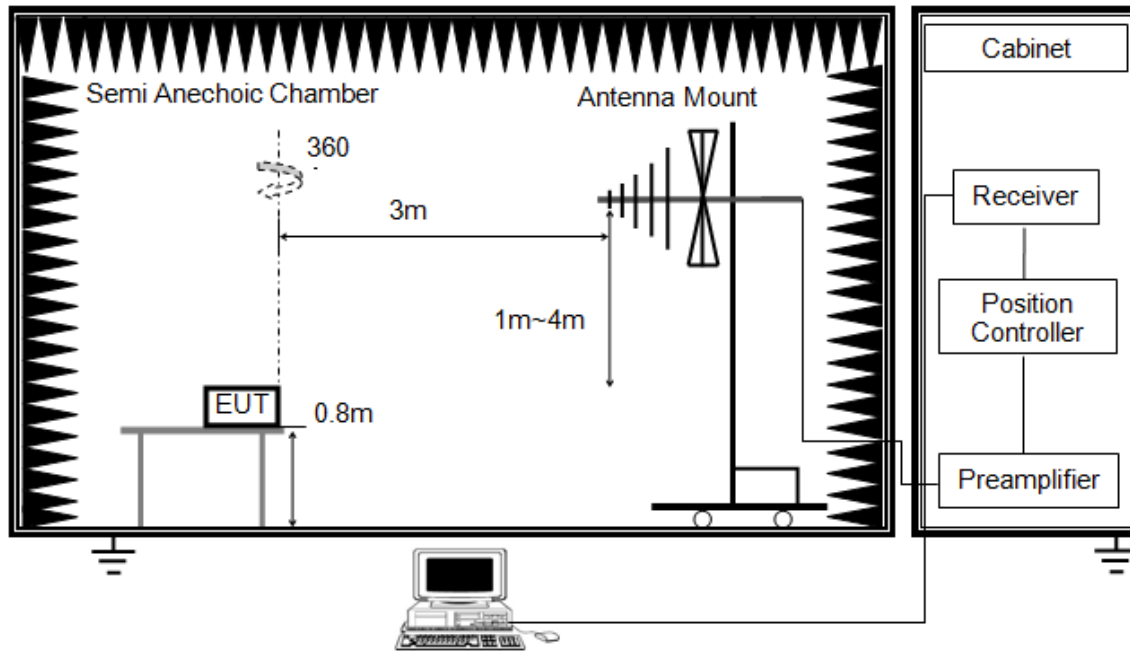


The setting of the spectrum analyser

RBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
VBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
Sweep	Auto
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.4.
2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1 m height antenna tower.
5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
6. For measurement below 1 GHz, 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 and average detector mode re-measured. 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 and average detector and reported.
7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.
8. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω. For example, the measurement frequency X KHz resulted in a level of Y dBuV/m, which is equivalent to  $Y - 51.5 = Z$  dBuA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.

Below 1 GHz and above 30 MHz

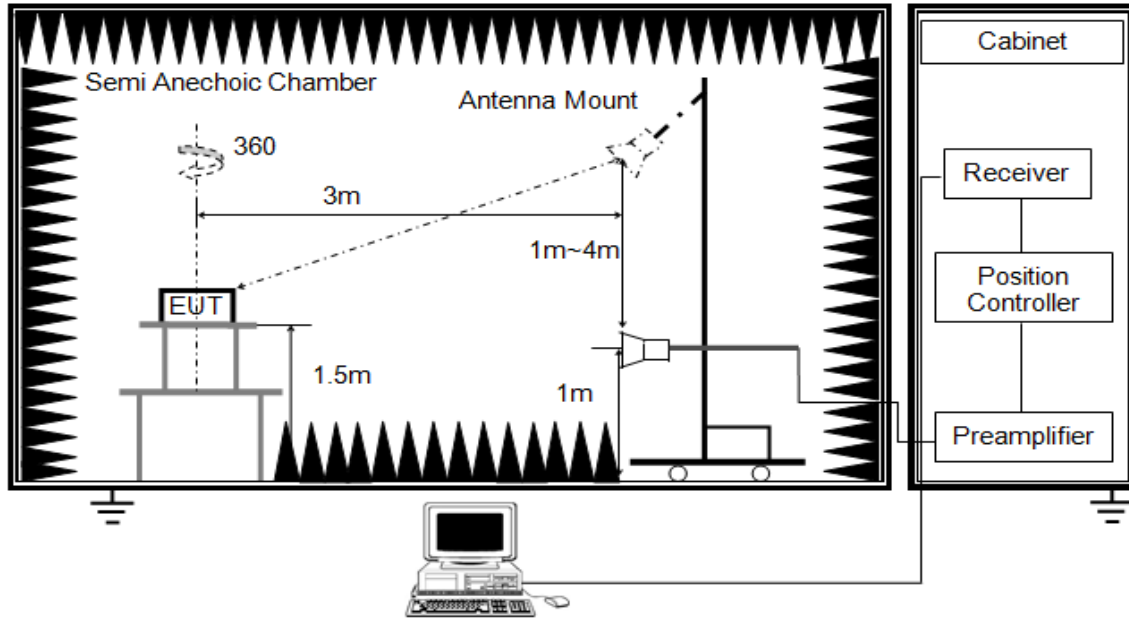


The setting of the spectrum analyser

RBW	120 kHz
VBW	300 kHz
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.5.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement below 1 GHz, 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. 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.

Above 1 GHz

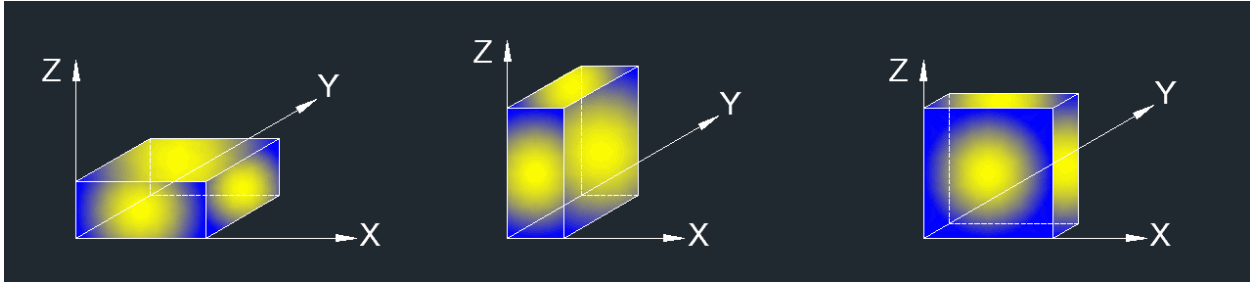


The setting of the spectrum analyser

RBW	1 MHz
VBW	PEAK: 3 MHz AVG: see note 6
Sweep	Auto
Detector	Peak
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.6.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 1.5 m above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement above 1 GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.
6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 7.1.ON TIME AND DUTY CYCLE.

X axis, Y axis, Z axis positions:



Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

Note 2: All the EUT's emissions had been evaluated for simultaneous transmission with the other WIFI 2.4GHz, WIFI 5GHz and BT transmitter and there were not any additional or worse emissions found. The worst case data has been recorded in the WIFI test report. (4789861913-3/-4).

**TEST ENVIRONMENT**

Temperature	23.2 °C	Relative Humidity	52 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 3.3 V

**RESULTS**

## 8.1. RESTRICTED BANDEDGE

### KTC ANTENNA:

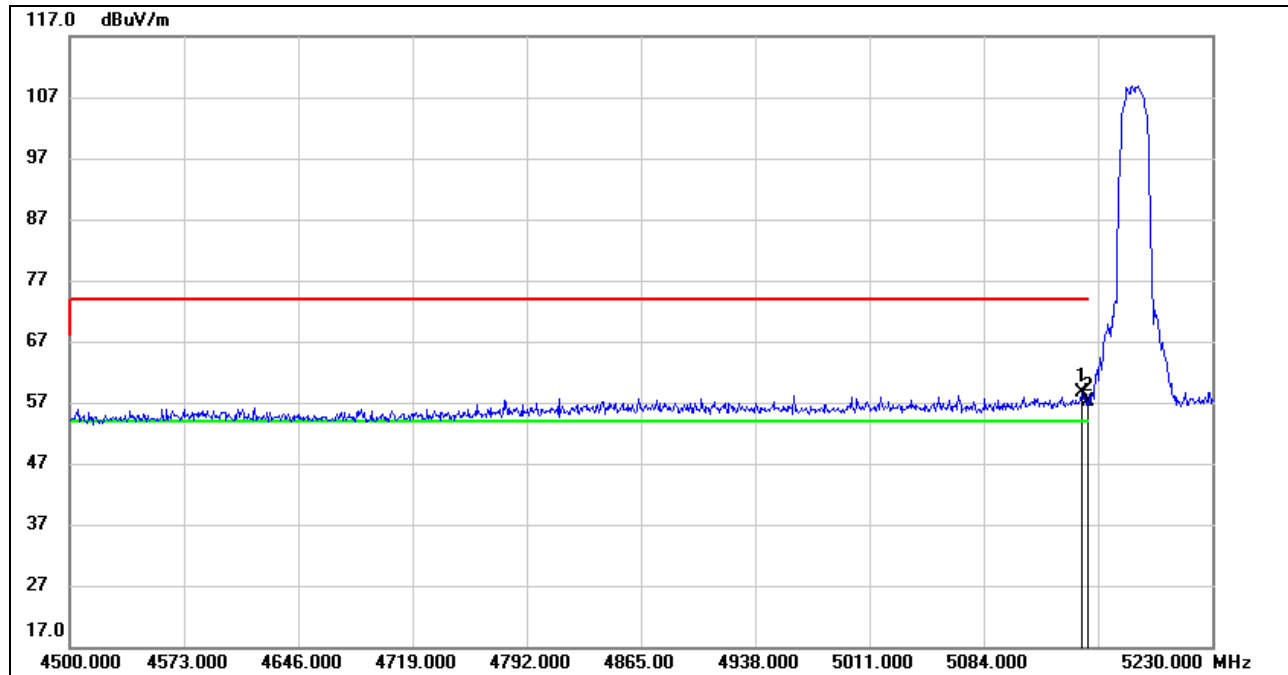
#### 8.1.1. 802.11a20 SISO MODE

#### ANTENNA 1 TEST RESULTS (WORST CASE)

### UNII-1 BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)

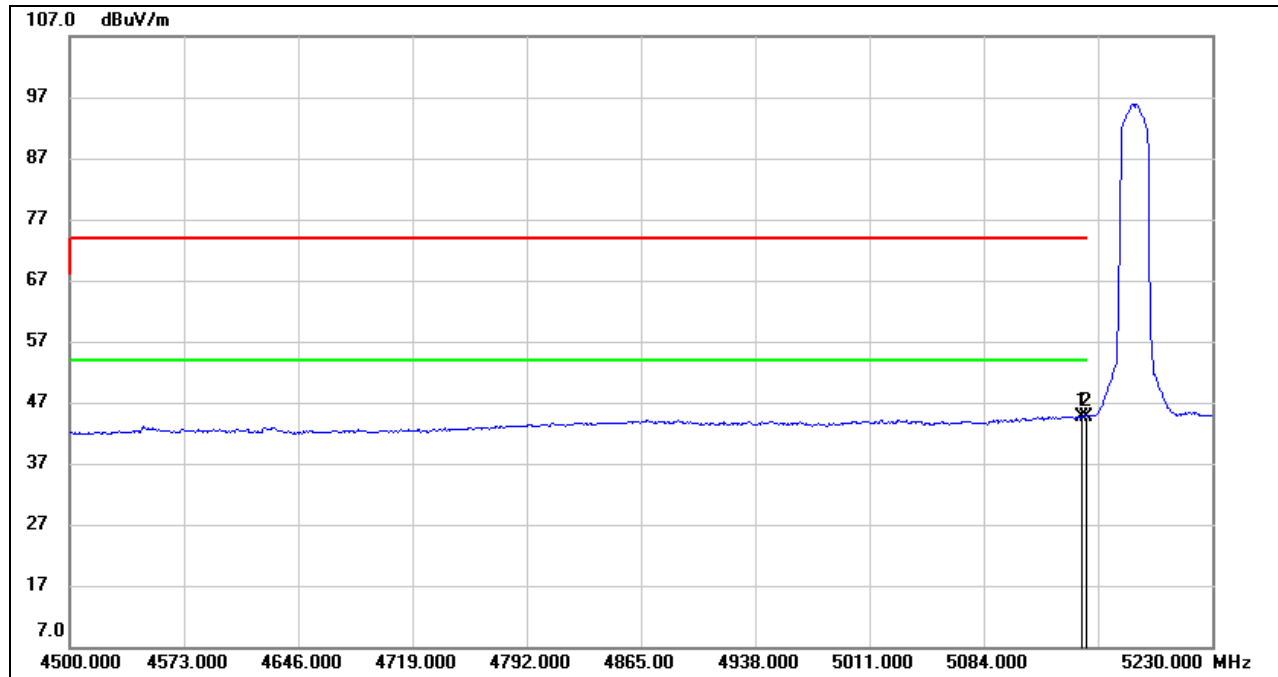
#### PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5146.780	17.45	41.16	58.61	74.00	-15.39	peak
2	5150.000	15.89	41.19	57.08	74.00	-16.92	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**AVG**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5146.780	3.53	41.16	44.69	54.00	-9.31	AVG
2	5150.000	3.52	41.19	44.71	54.00	-9.29	AVG

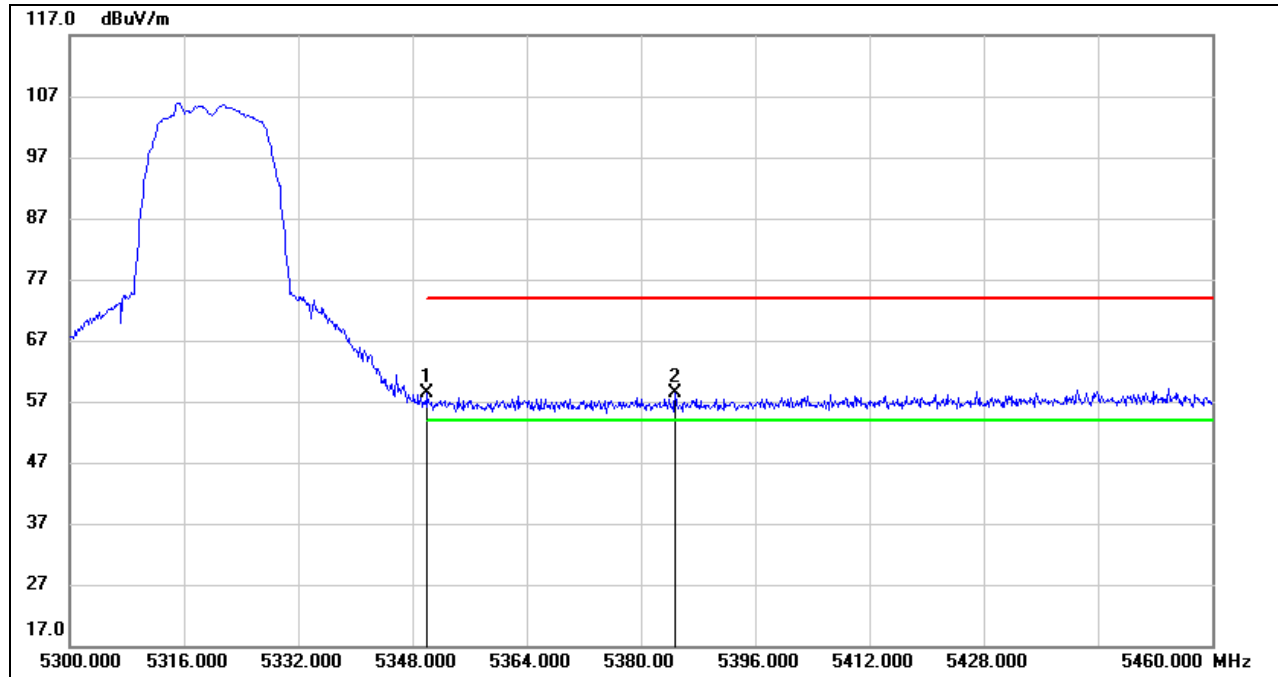
- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. AVG:  $VBW=1/T_{on}$ , where:  $T_{on}$  is the transmitting duration.
  4. For the transmitting duration, please refer to clause 7.1.
  5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



**UNII-2A BAND**

**RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)**

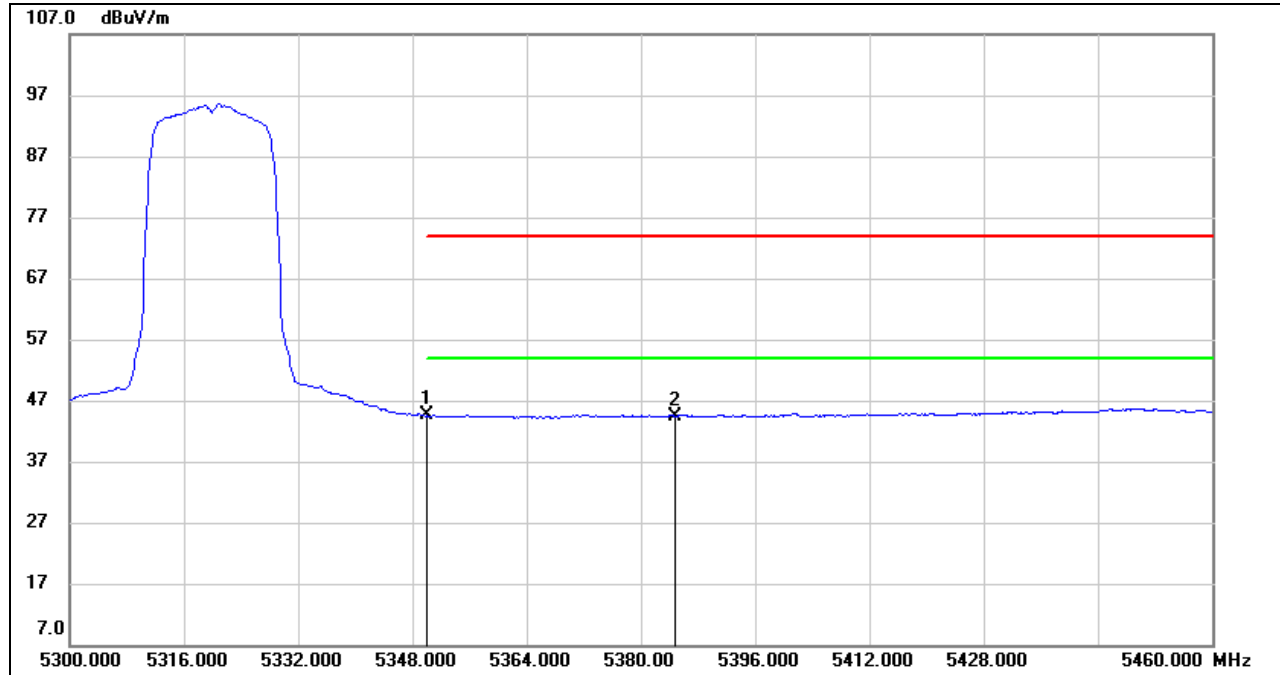
**PEAK**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	17.06	41.20	58.26	74.00	-15.74	peak
2	5384.800	16.87	41.39	58.26	74.00	-15.74	peak

Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**AVG**



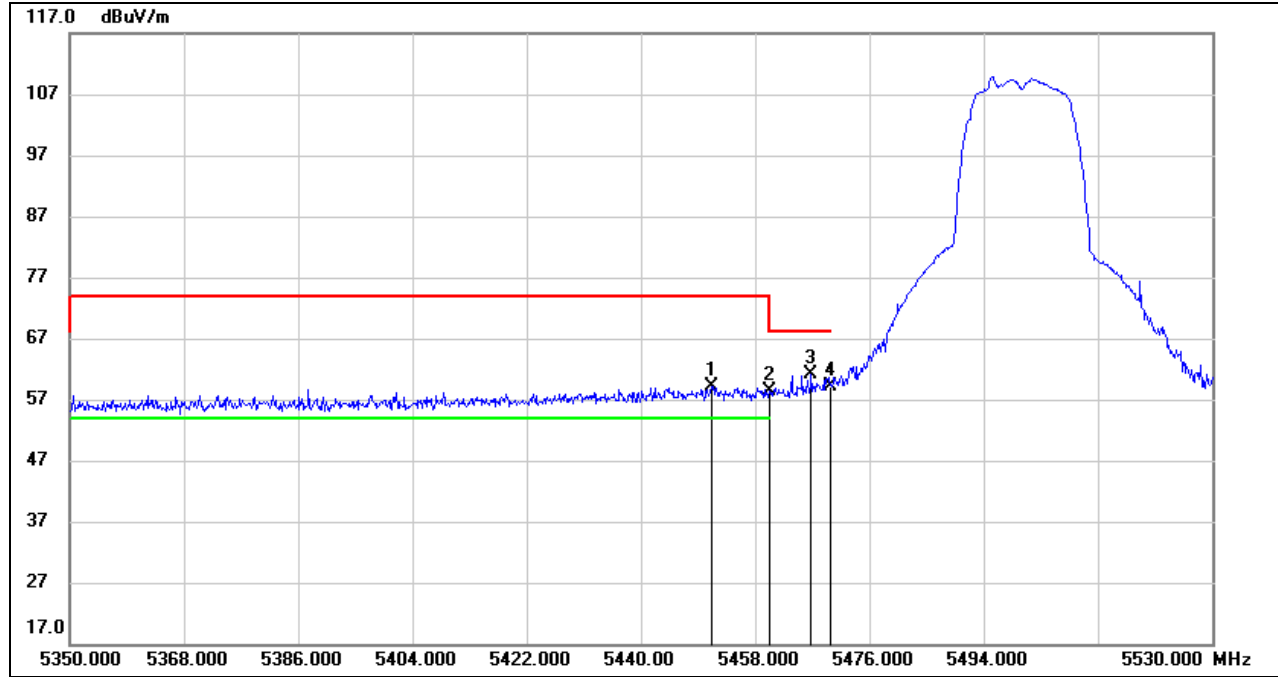
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	3.36	41.20	44.56	54.00	-9.44	AVG
2	5384.800	2.99	41.39	44.38	54.00	-9.62	AVG

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. AVG:  $VBW=1/T_{on}$ , where:  $T_{on}$  is the transmitting duration.
  4. For the transmitting duration, please refer to clause 7.1.
  5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**UNII-2C BAND**

**RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)**

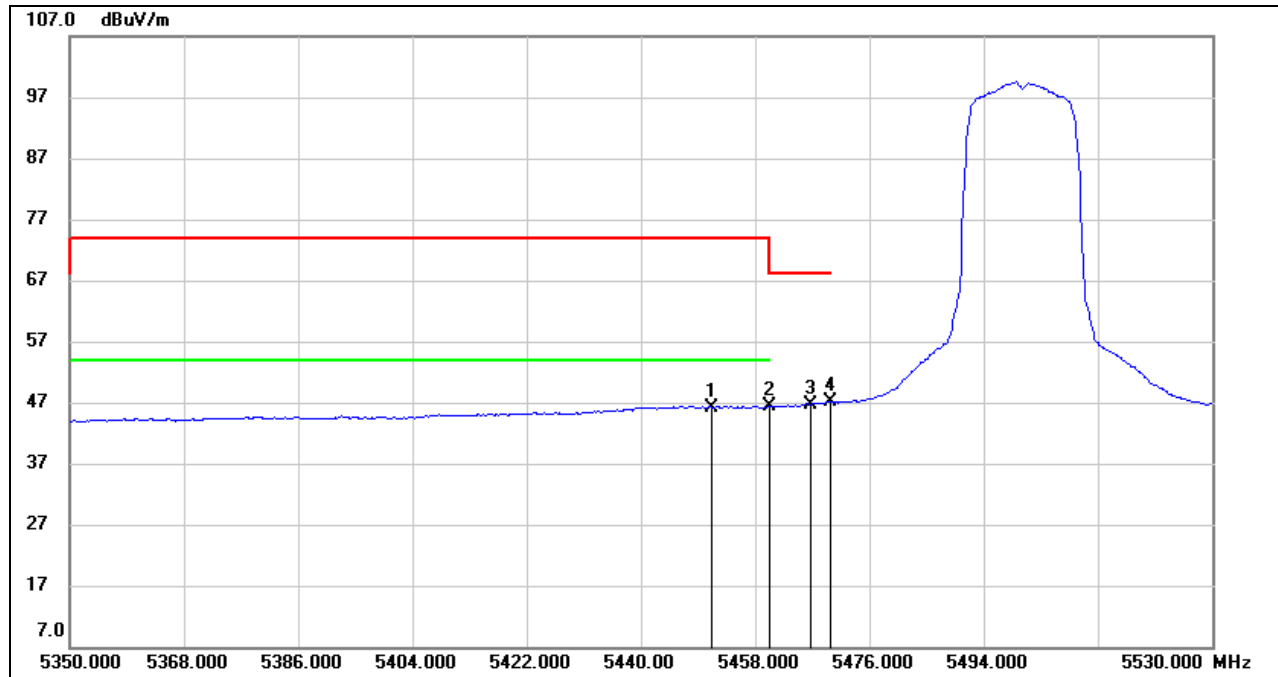
**PEAK**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5451.160	17.34	41.77	59.11	74.00	-14.89	peak
2	5460.000	16.57	41.82	58.39	68.20	-9.81	peak
3	5466.820	19.39	41.86	61.25	68.20	-6.95	peak
4	5470.000	17.22	41.87	59.09	68.20	-9.11	peak

Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**AVG**

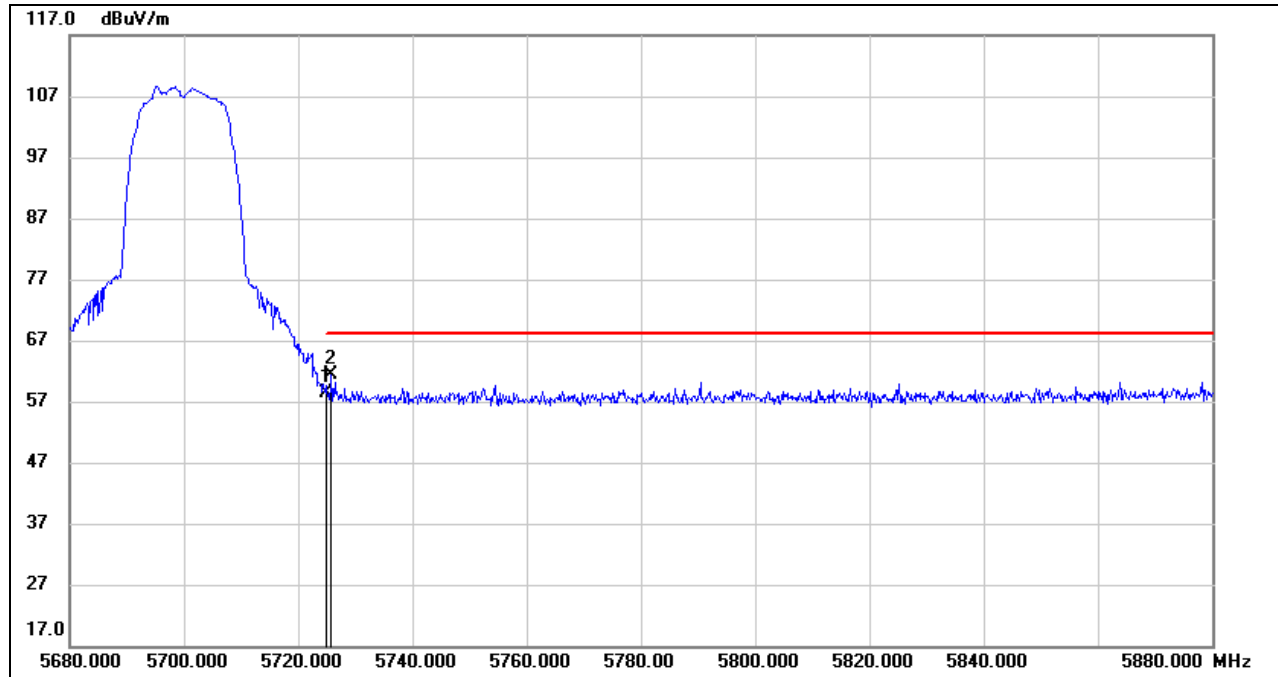


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5451.160	4.34	41.77	46.11	54.00	-7.89	AVG
2	5460.000	4.58	41.82	46.40	54.00	-7.60	AVG
3	5466.820	4.82	41.86	46.68	68.20	-21.52	AVG
4	5470.000	5.16	41.87	47.03	68.20	-21.17	AVG

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  4. For the transmitting duration, please refer to clause 7.1.
  5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)**

**PEAK**



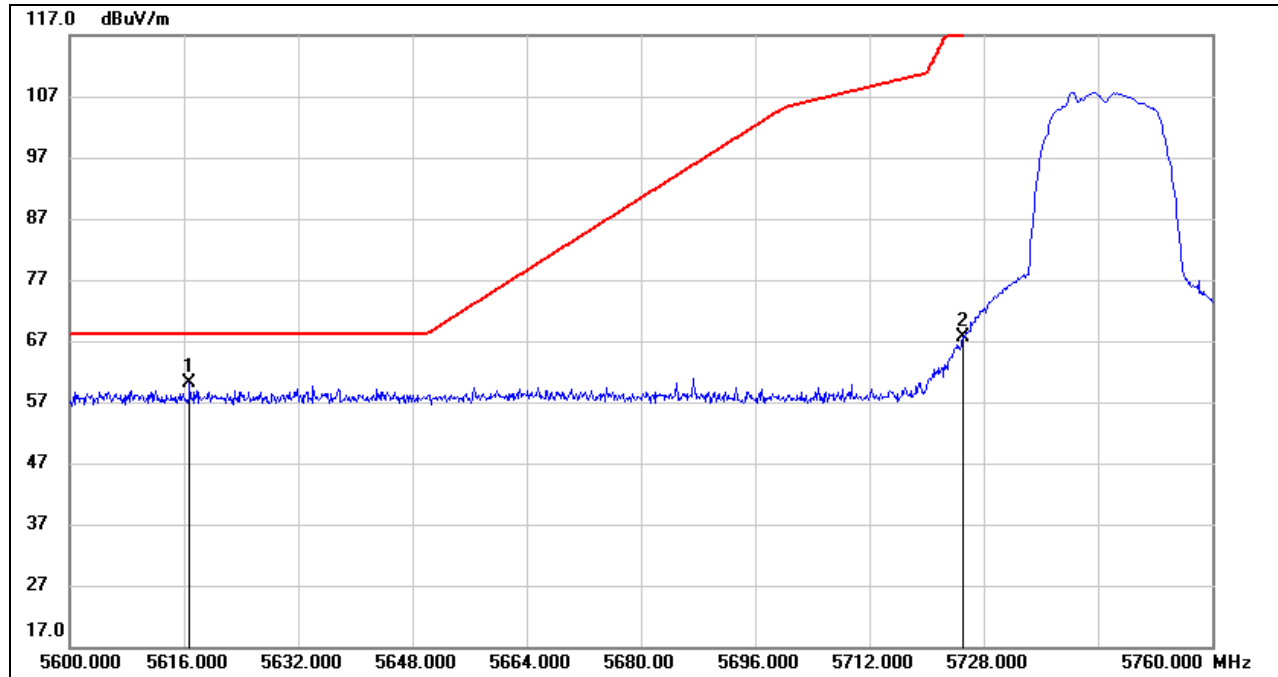
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	16.67	41.67	58.34	68.20	-9.86	peak
2	5725.800	19.73	41.67	61.40	68.20	-6.80	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**UNII-3 BAND**

**RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)**

**PEAK**

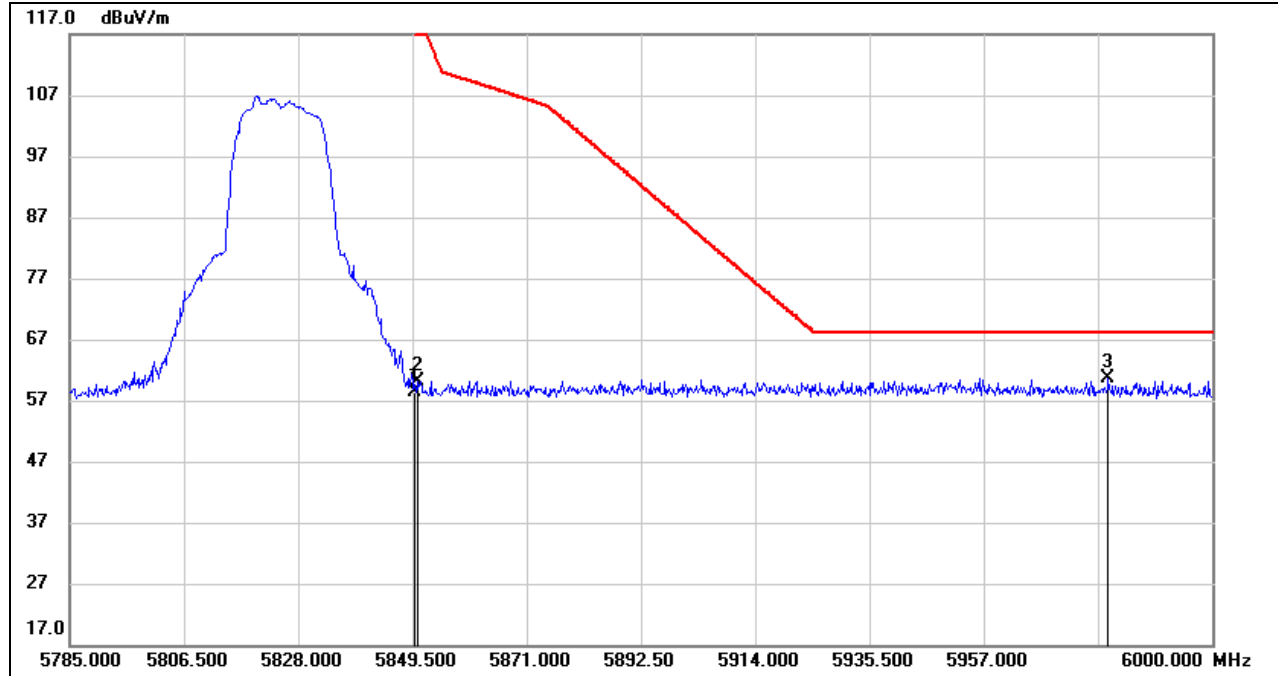


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5616.800	18.34	41.70	60.04	68.20	-8.16	peak
2	5725.000	25.86	41.67	67.53	122.20	-54.67	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)**

**PEAK**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	15.87	42.52	58.39	122.20	-63.81	peak
2	5850.360	17.63	42.53	60.16	121.38	-61.22	peak
3	5980.435	18.01	42.66	60.67	68.20	-7.53	peak

Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Note: Both the two antennas had been tested, but only the worst data was recorded in the report.

Note: Horizontal and Vertical have been tested, only the worst data was recorded in the report.

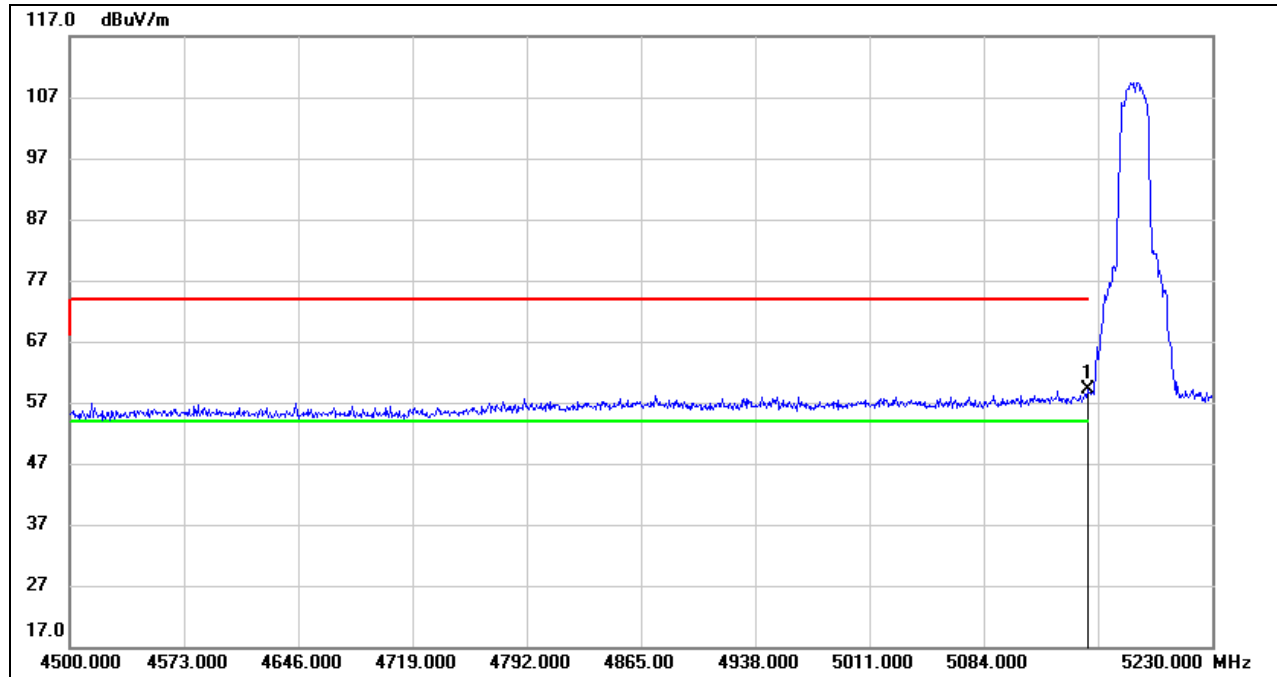


8.1.2. 802.11ac VHT20 MIMO MODE

UNII-1 BAND

RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)

PEAK

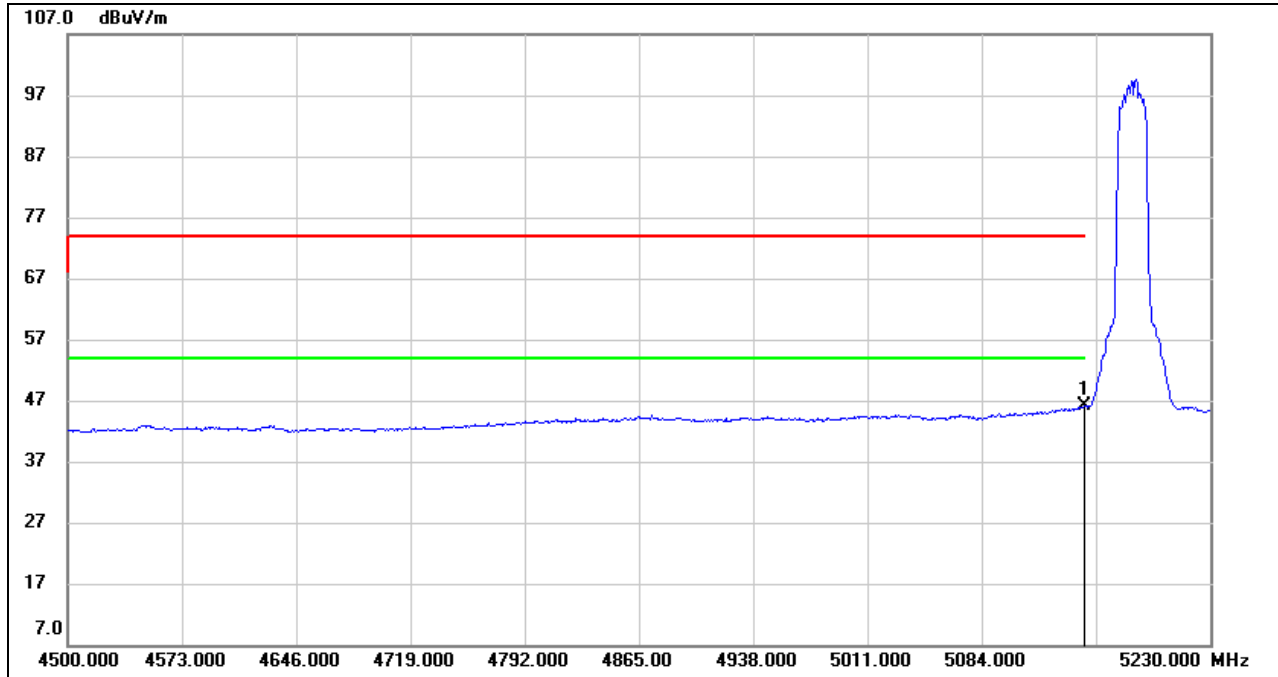


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	17.88	41.19	59.07	74.00	-14.93	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



**AVG**



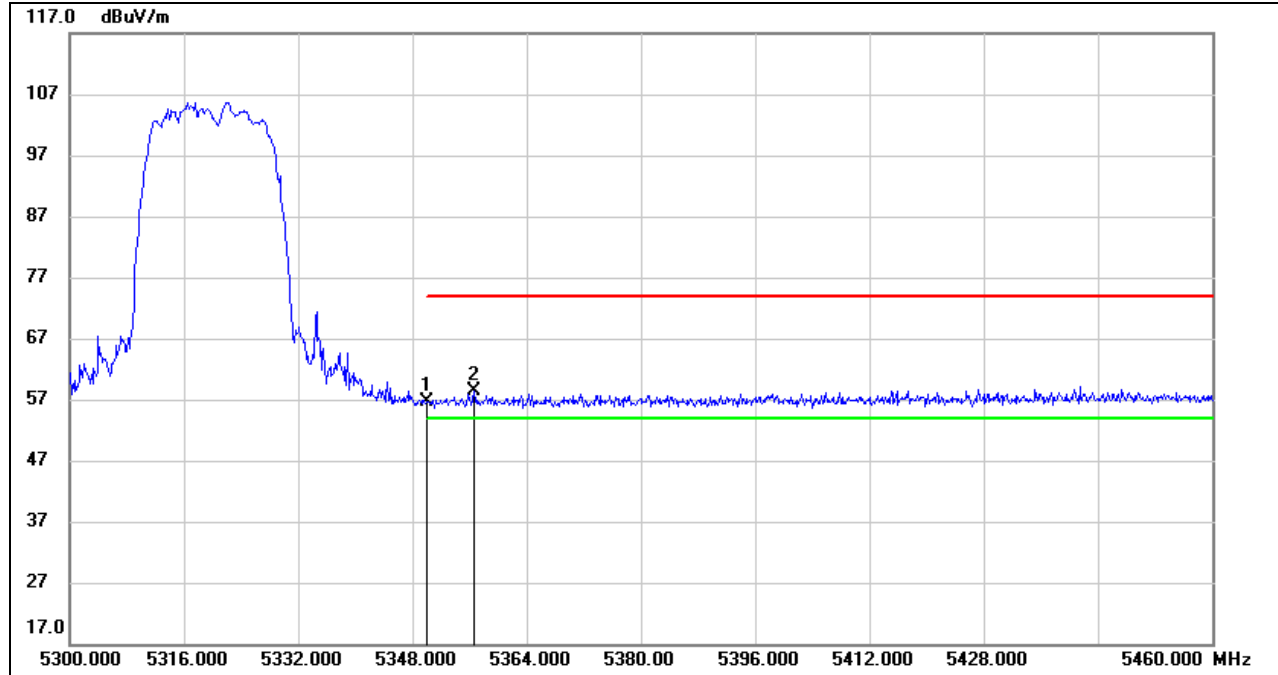
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	5.00	41.19	46.19	54.00	-7.81	AVG

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. AVG:  $VBW=1/T_{on}$ , where:  $T_{on}$  is the transmitting duration.
  4. For the transmitting duration, please refer to clause 7.1.
  5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**UNII-2A BAND**

**RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)**

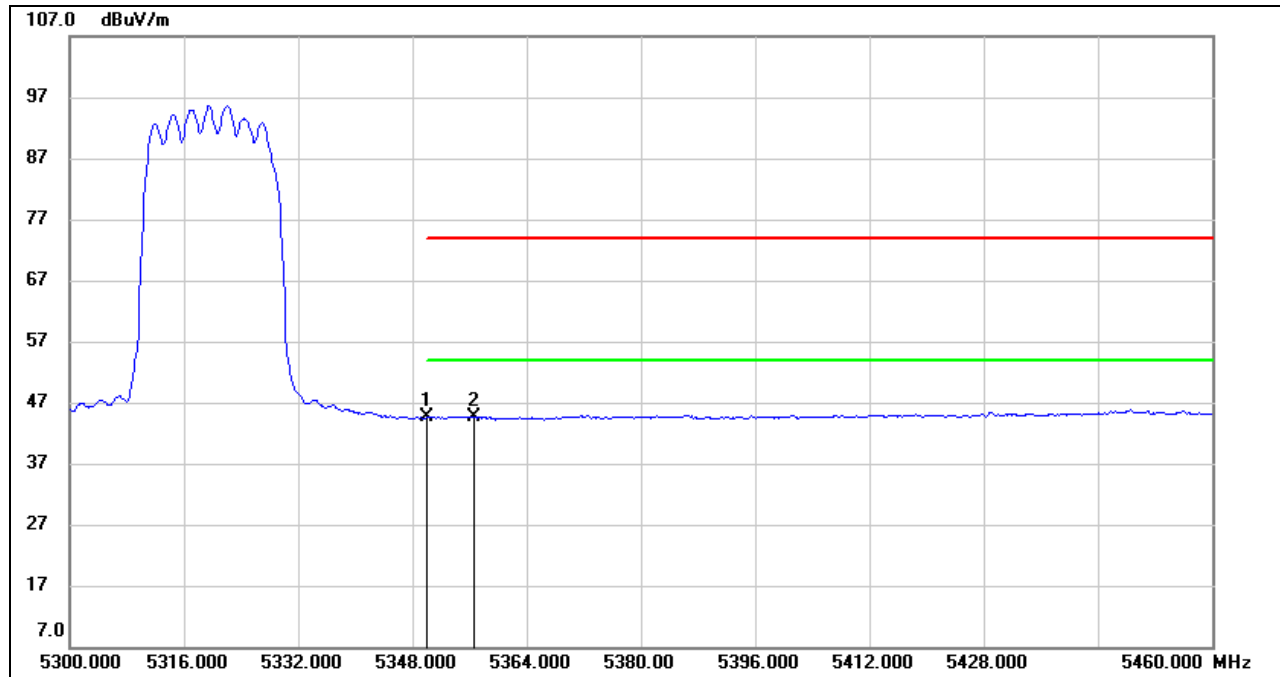
**PEAK**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	15.40	41.20	56.60	74.00	-17.40	peak
2	5356.640	17.05	41.24	58.29	74.00	-15.71	peak

Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**AVG**



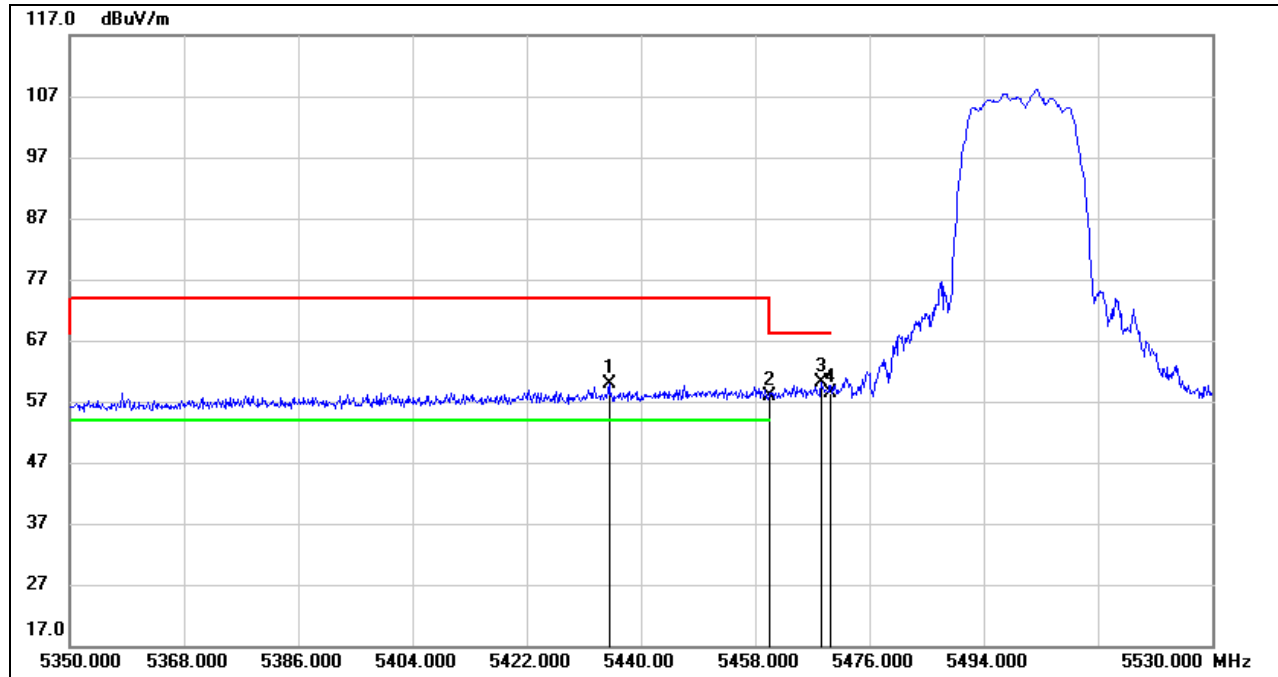
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	3.37	41.20	44.57	54.00	-9.43	AVG
2	5356.640	3.35	41.24	44.59	54.00	-9.41	AVG

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. AVG:  $VBW=1/Ton$ , where:  $Ton$  is the transmitting duration.
  4. For the transmitting duration, please refer to clause 7.1.
  5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**UNII-2C BAND**

**RESTRICTED BANDEGE (LOW CHANNEL, HORIZONTAL)**

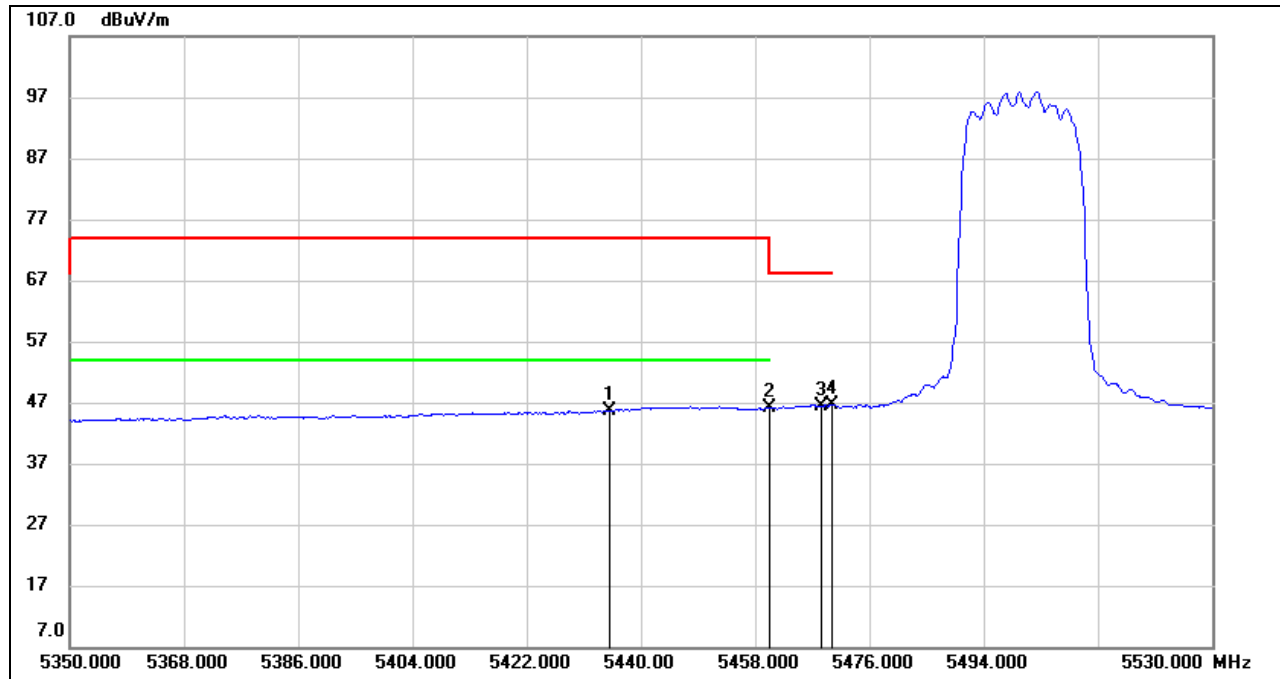
**PEAK**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5434.960	18.13	41.68	59.81	74.00	-14.19	peak
2	5460.000	16.11	41.82	57.93	68.20	-10.27	peak
3	5468.440	18.32	41.87	60.19	68.20	-8.01	peak
4	5470.000	16.48	41.87	58.35	68.20	-9.85	peak

Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**AVG**

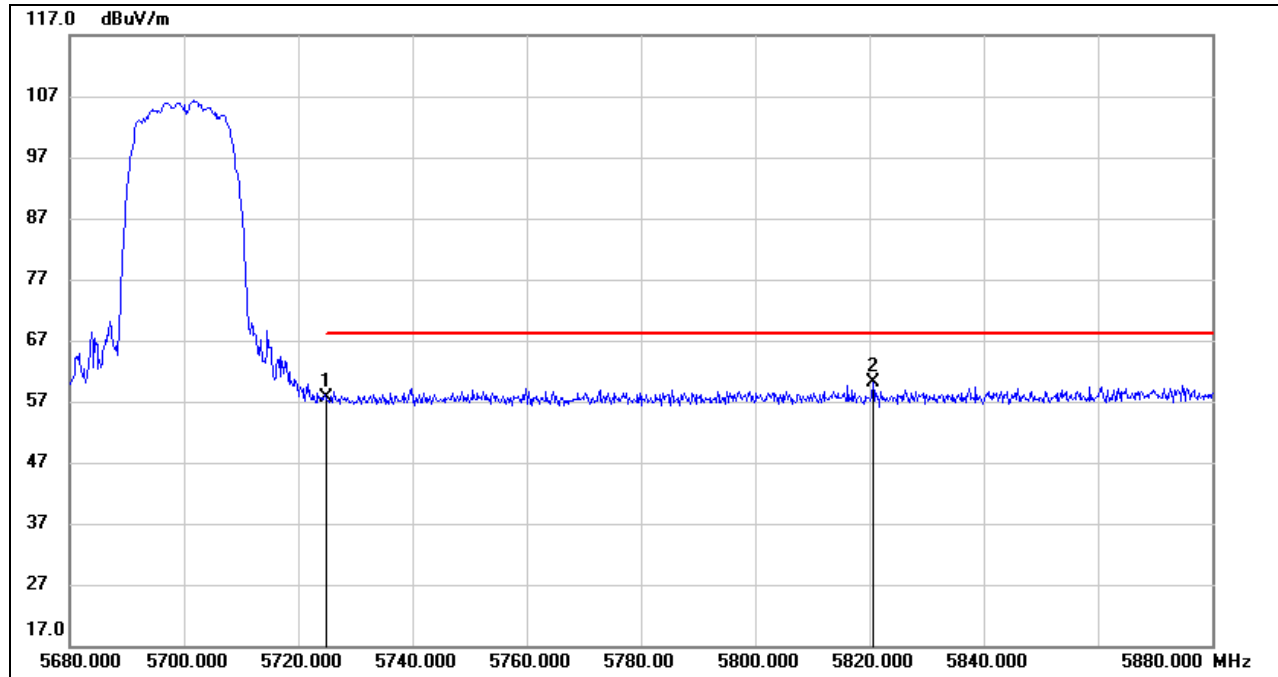


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5434.960	3.92	41.68	45.60	54.00	-8.40	AVG
2	5460.000	4.26	41.82	46.08	54.00	-7.92	AVG
3	5468.440	4.53	41.87	46.40	68.20	-21.80	AVG
4	5470.000	4.78	41.87	46.65	68.20	-21.55	AVG

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. AVG:  $VBW=1/T_{on}$ , where:  $T_{on}$  is the transmitting duration.
  4. For the transmitting duration, please refer to clause 7.1.
  5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)**

**PEAK**



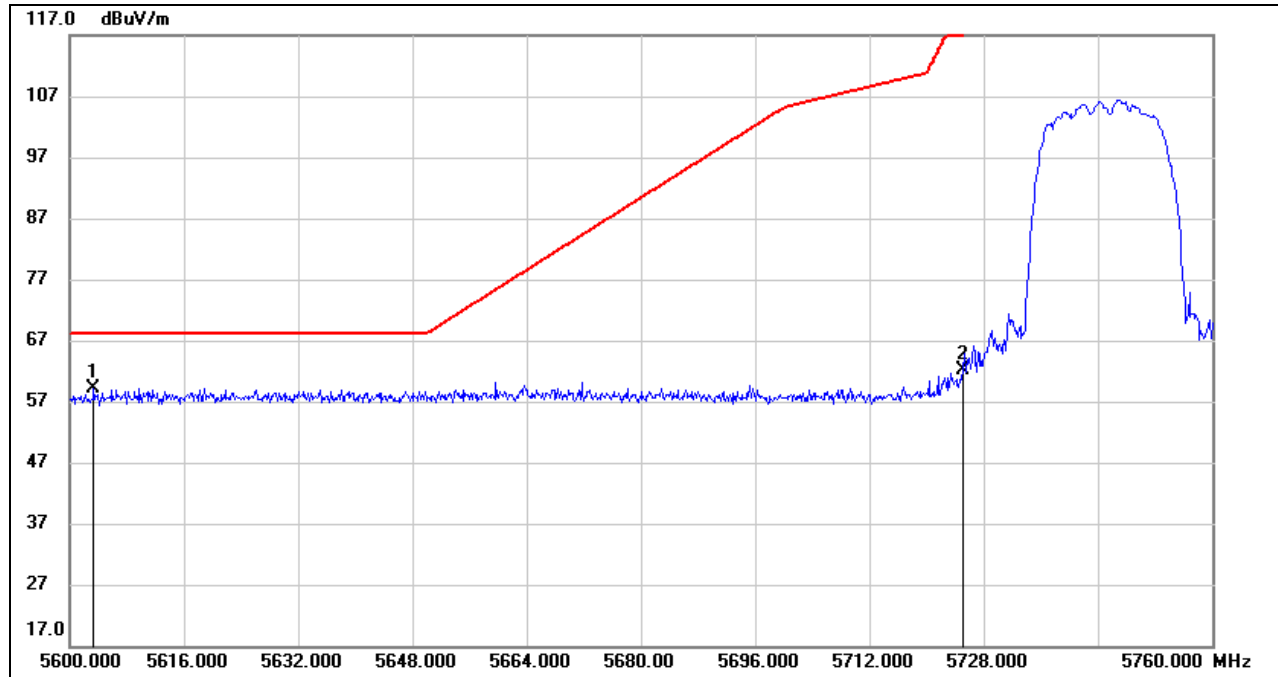
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	16.06	41.67	57.73	68.20	-10.47	peak
2	5820.600	17.84	42.22	60.06	68.20	-8.14	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**UNII-3 BAND**

**RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)**

**PEAK**

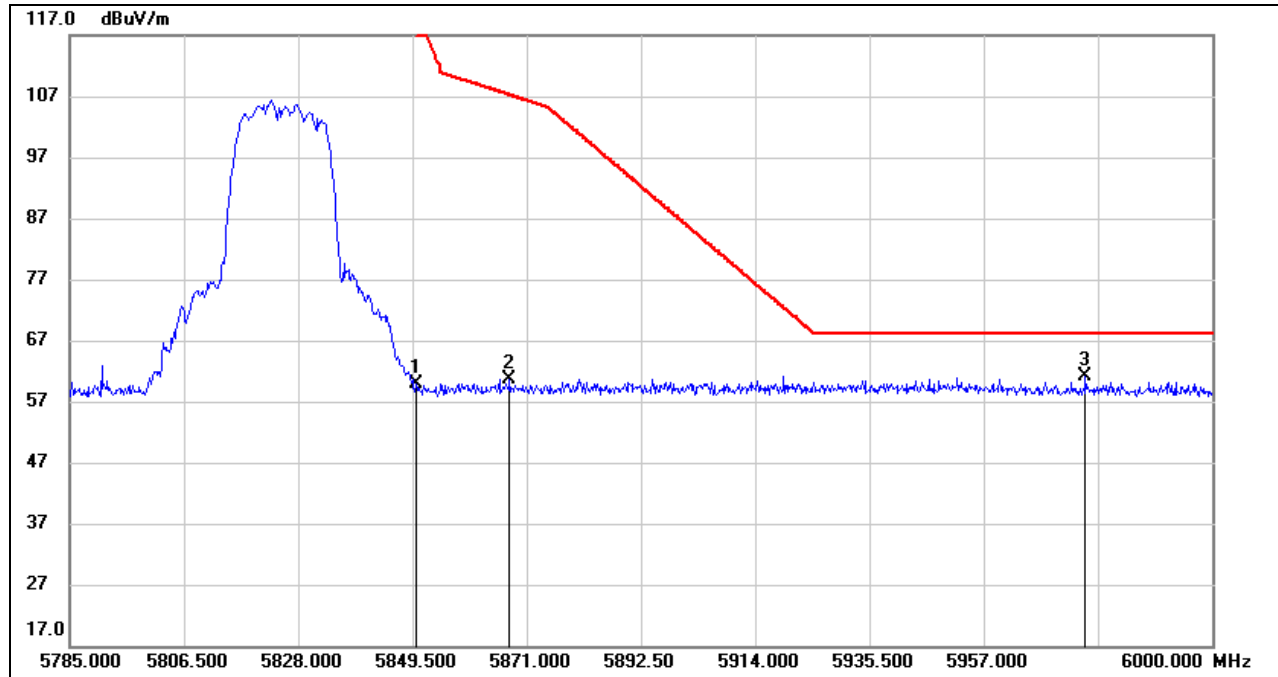


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5603.360	17.39	41.72	59.11	68.20	-9.09	peak
2	5725.000	20.42	41.67	62.09	122.20	-60.11	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)**

**PEAK**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	17.46	42.52	59.98	122.20	-62.22	peak
2	5867.775	18.00	42.70	60.70	107.22	-46.52	peak
3	5976.135	18.46	42.67	61.13	68.20	-7.07	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Note: Both the two antennas had been tested, but only the worst data was recorded in the report.

Note: Horizontal and Vertical have been tested, only the worst data was recorded in the report.

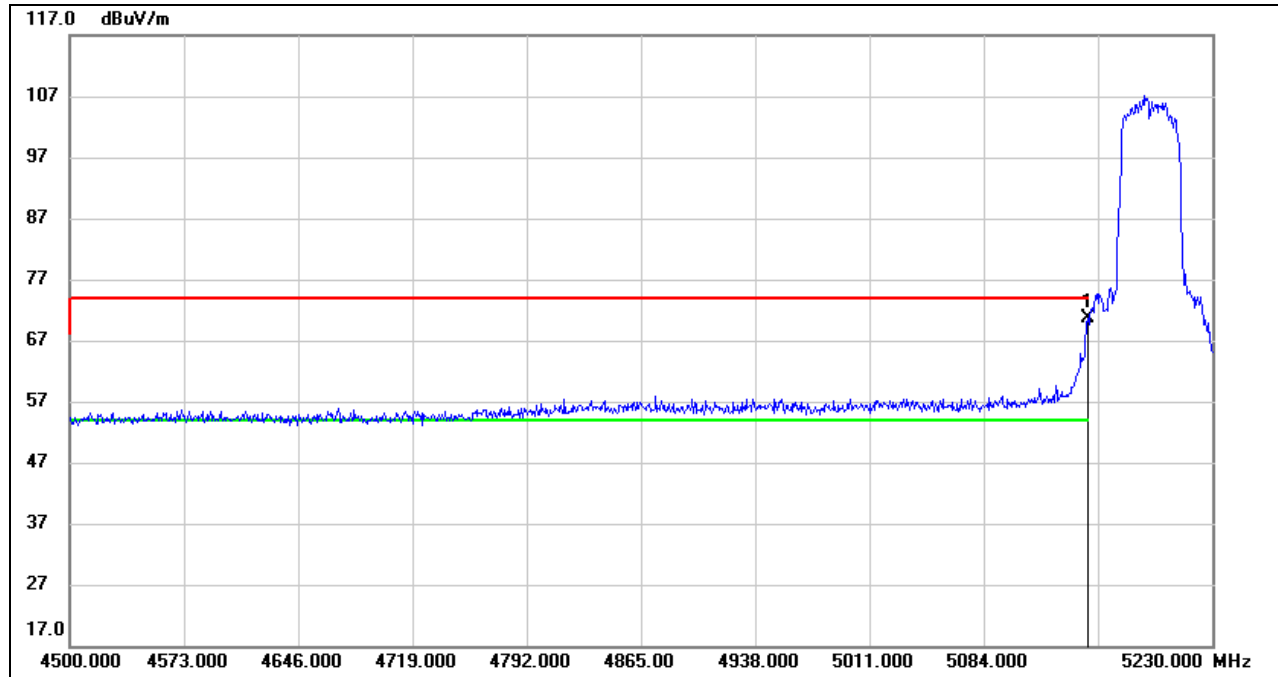


8.1.3. 802.11ac VHT40 MIMO MODE

UNII-1 BAND

RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)

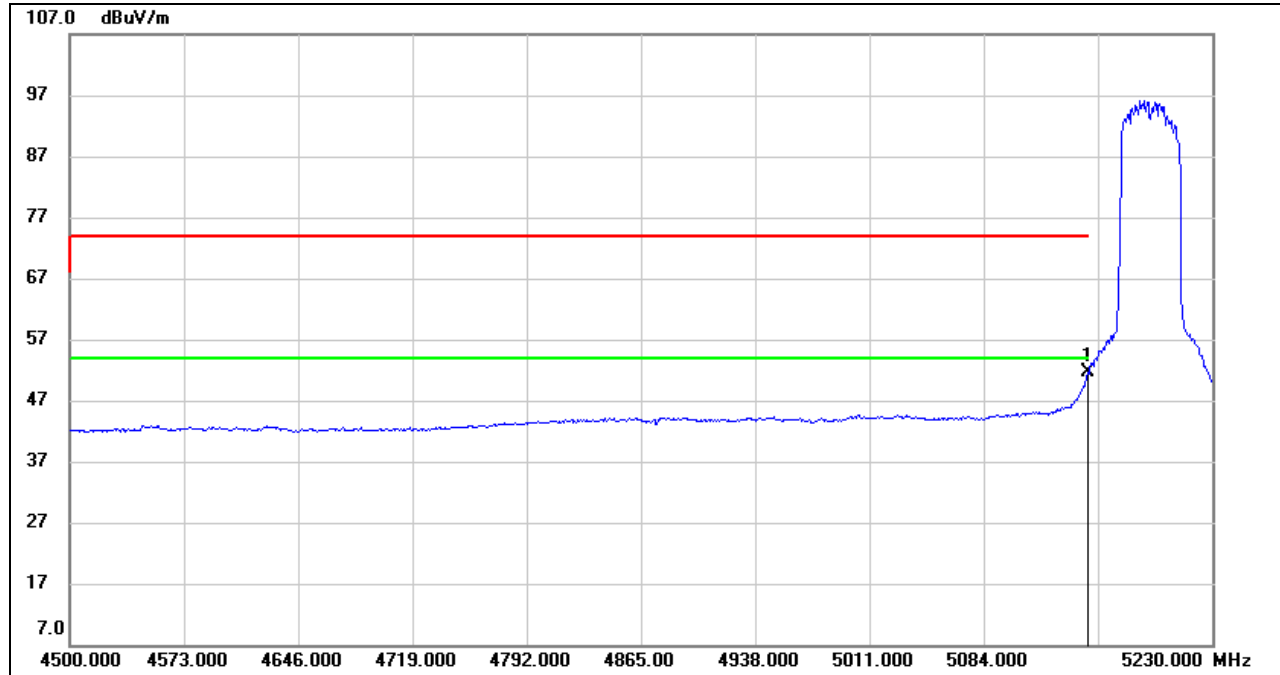
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	29.39	41.19	70.58	74.00	-3.42	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**AVG**



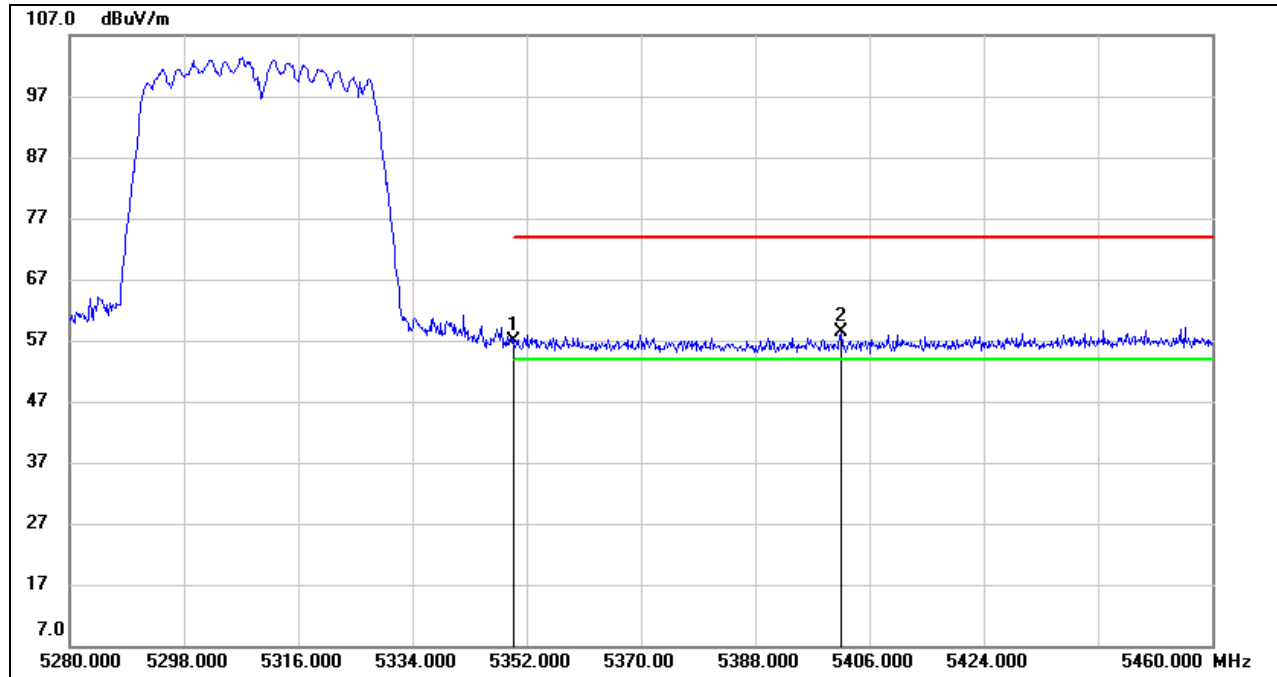
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	10.34	41.19	51.53	54.00	-2.47	AVG

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. AVG:  $VBW=1/T_{on}$ , where:  $T_{on}$  is the transmitting duration.
  4. For the transmitting duration, please refer to clause 7.1.
  5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**UNII-2A BAND**

**RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)**

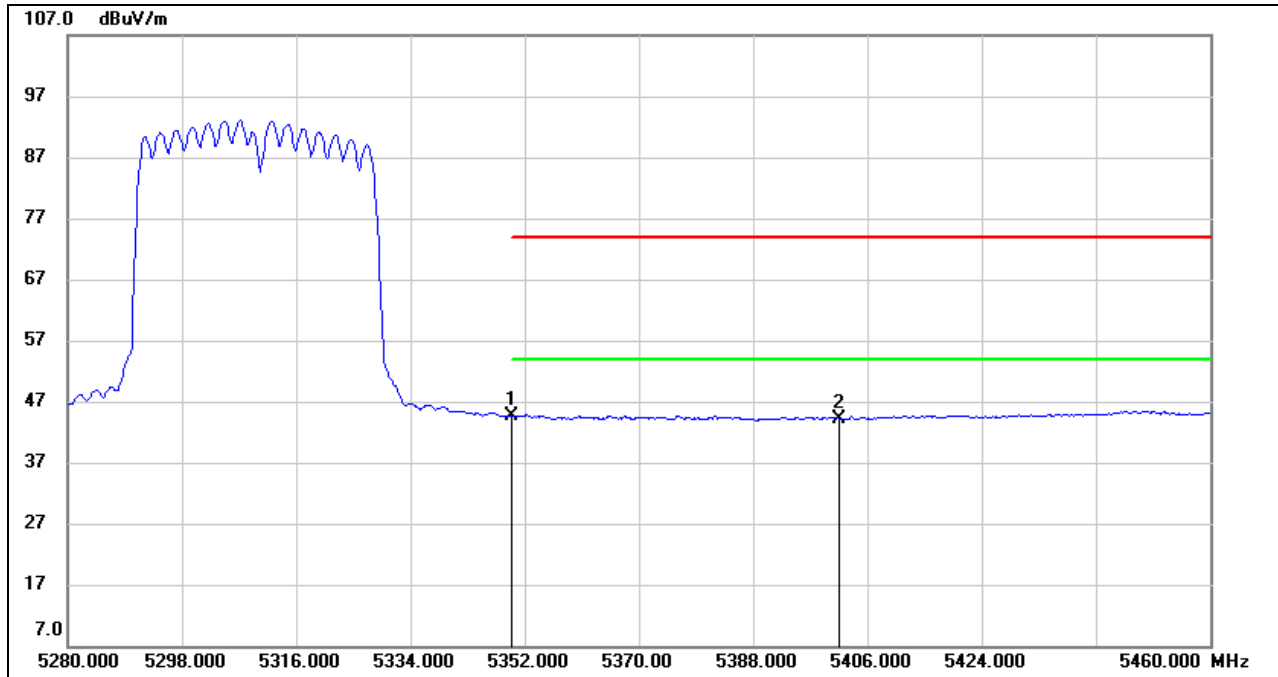
**PEAK**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	15.70	41.20	56.90	74.00	-17.10	peak
2	5401.500	16.83	41.49	58.32	74.00	-15.68	peak

Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**AVG**



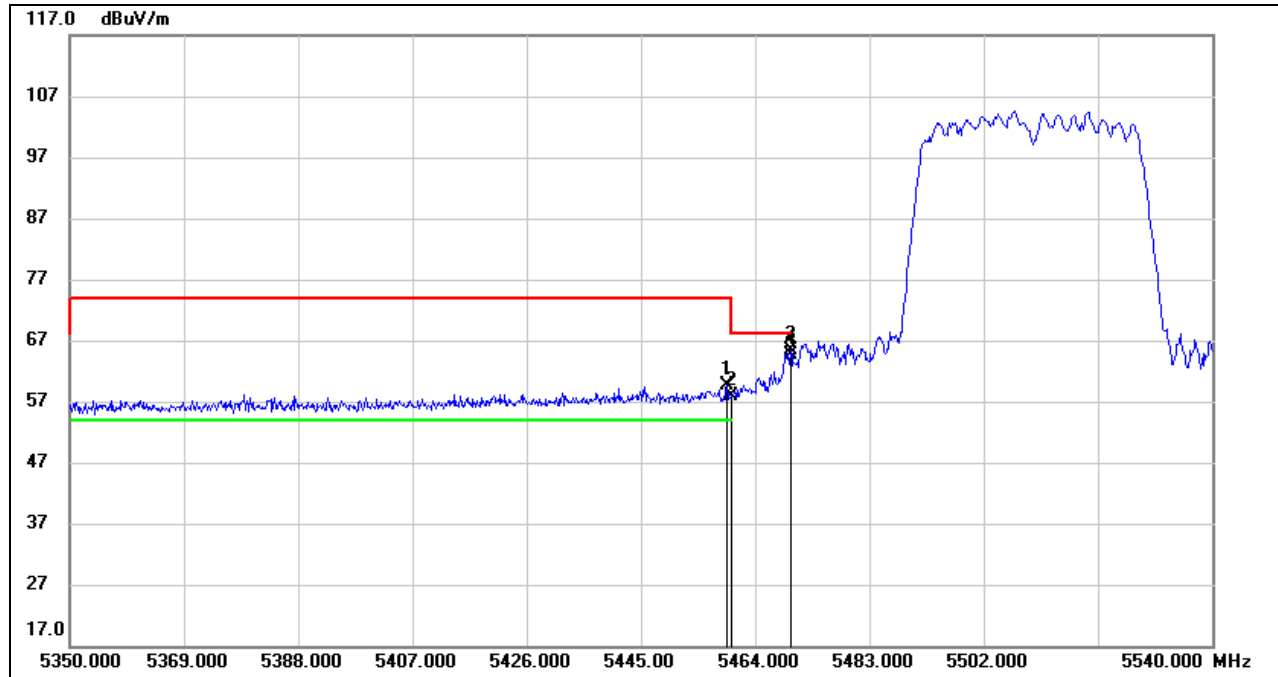
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	3.43	41.20	44.63	54.00	-9.37	AVG
2	5401.500	2.65	41.49	44.14	54.00	-9.86	AVG

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. AVG:  $VBW=1/T_{on}$ , where:  $T_{on}$  is the transmitting duration.
  4. For the transmitting duration, please refer to clause 7.1.
  5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**UNII-2C BAND**

**RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)**

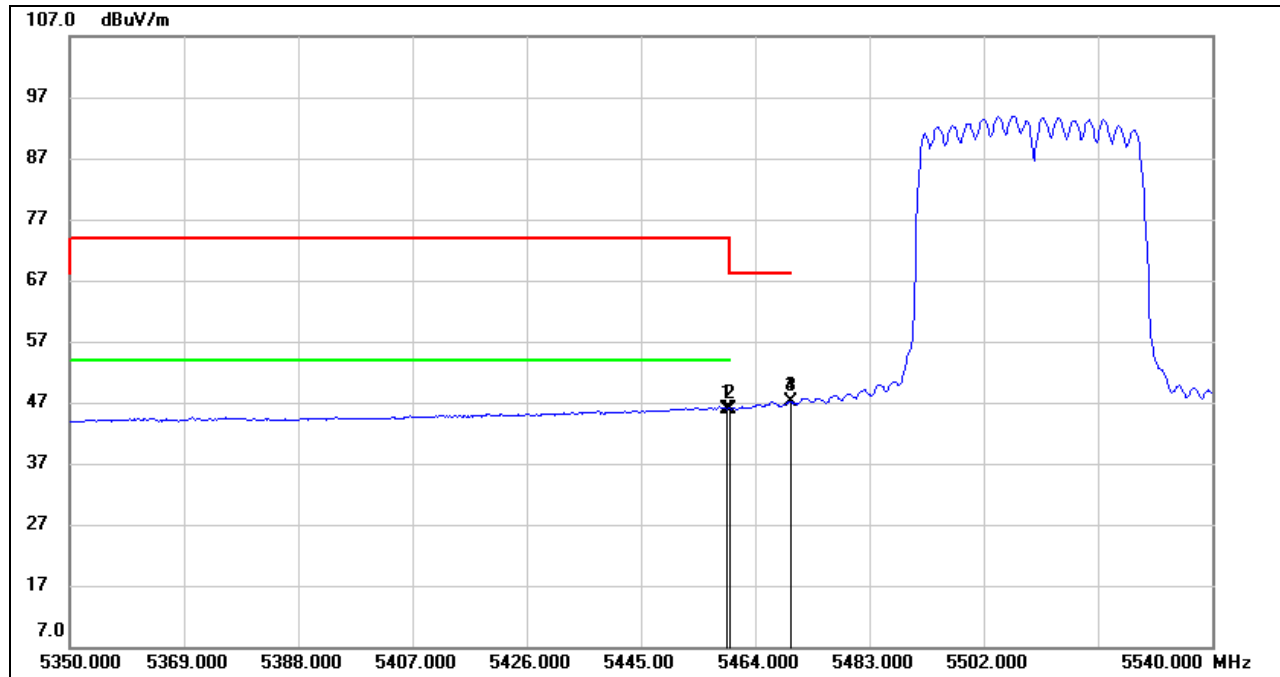
**PEAK**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5459.250	17.86	41.82	59.68	74.00	-14.32	peak
2	5460.000	16.13	41.82	57.95	68.20	-10.25	peak
3	5469.890	23.54	41.87	65.41	68.20	-2.79	peak
4	5470.000	22.80	41.87	64.67	68.20	-3.53	peak

Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**AVG**



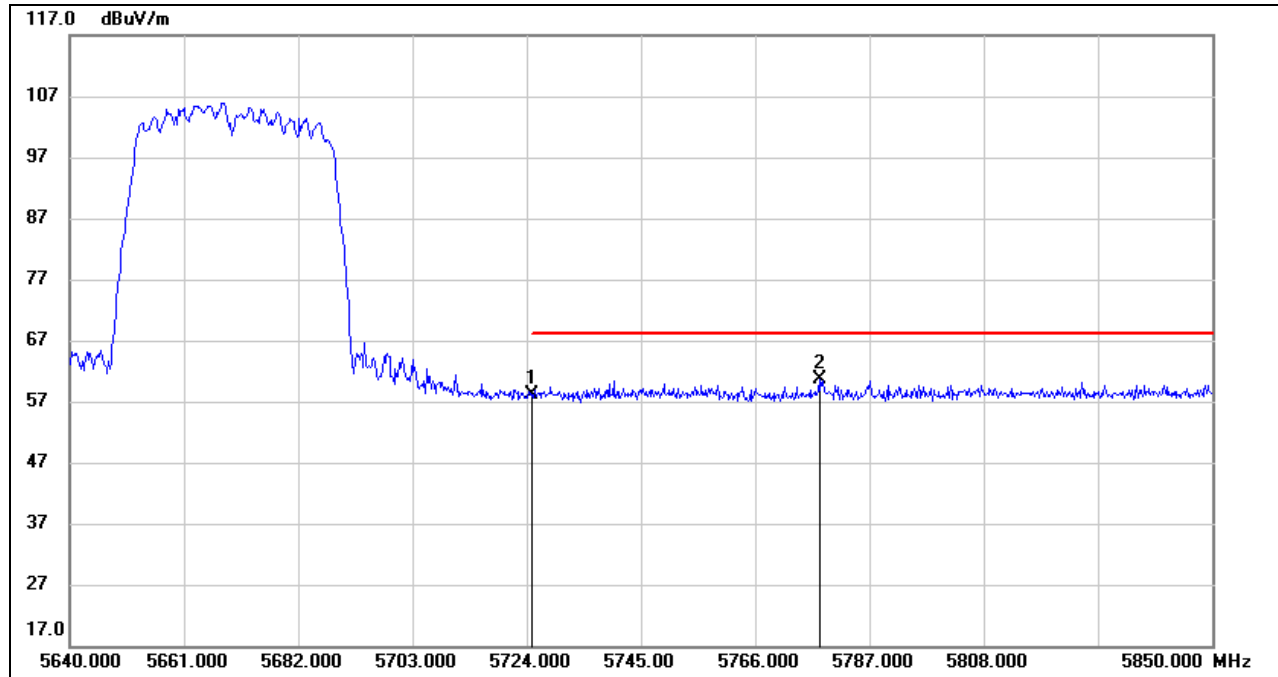
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5459.250	4.15	41.82	45.97	54.00	-8.03	AVG
2	5460.000	4.17	41.82	45.99	54.00	-8.01	AVG
3	5469.890	5.17	41.87	47.04	68.20	-21.16	AVG
4	5470.000	5.16	41.87	47.03	68.20	-21.17	AVG

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. AVG:  $VBW=1/T_{on}$ , where:  $T_{on}$  is the transmitting duration.
  4. For the transmitting duration, please refer to clause 7.1.
  5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



**RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)**

**PEAK**



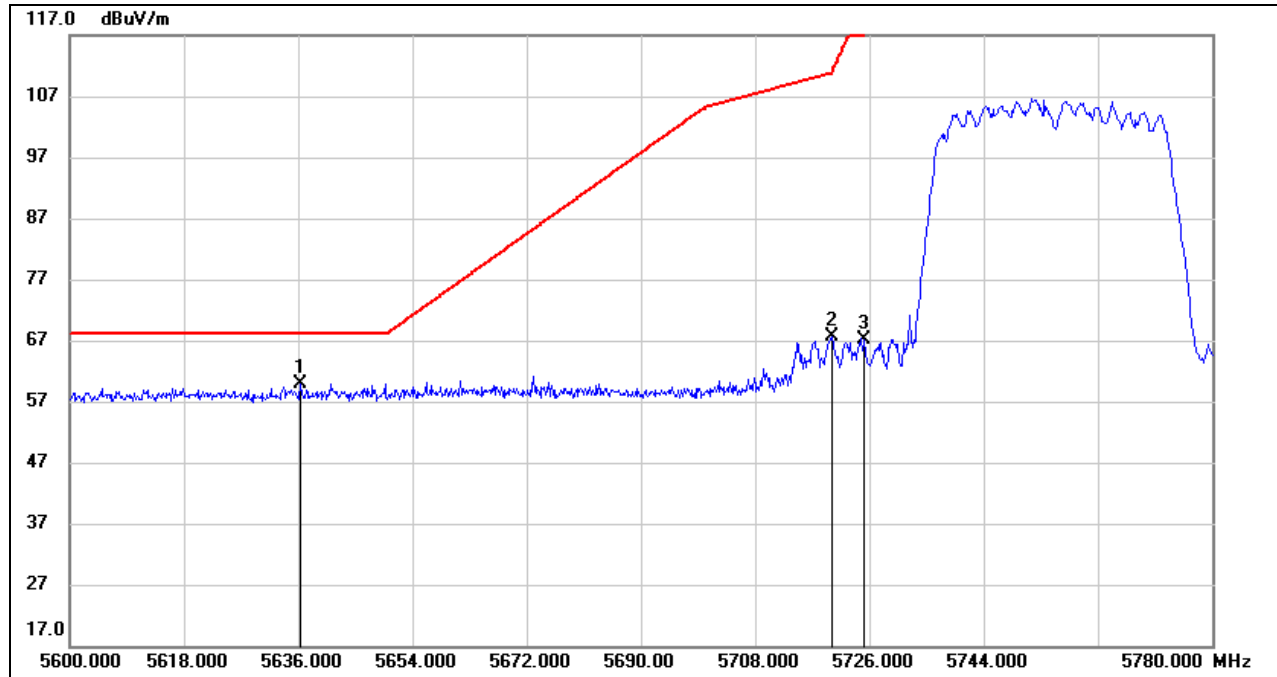
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	16.41	41.67	58.08	68.20	-10.12	peak
2	5777.760	18.69	41.91	60.60	68.20	-7.60	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**UNII-3 BAND**

**RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)**

**PEAK**



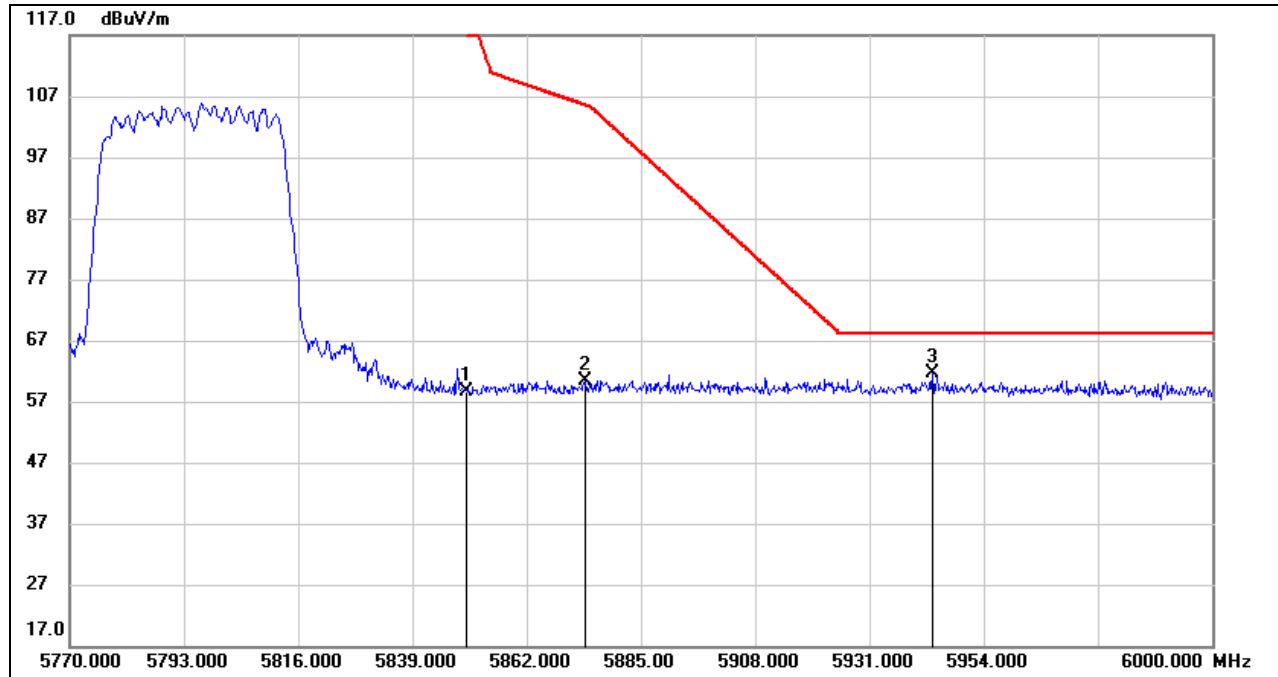
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5636.360	18.15	41.66	59.81	68.20	-8.39	peak
2	5720.060	25.90	41.64	67.54	110.94	-43.40	peak
3	5725.000	25.58	41.67	67.25	122.20	-54.95	peak

Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



**RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)**

**PEAK**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	16.20	42.52	58.72	122.20	-63.48	peak
2	5873.730	17.73	42.77	60.50	105.56	-45.06	peak
3	5943.650	18.86	42.82	61.68	68.20	-6.52	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

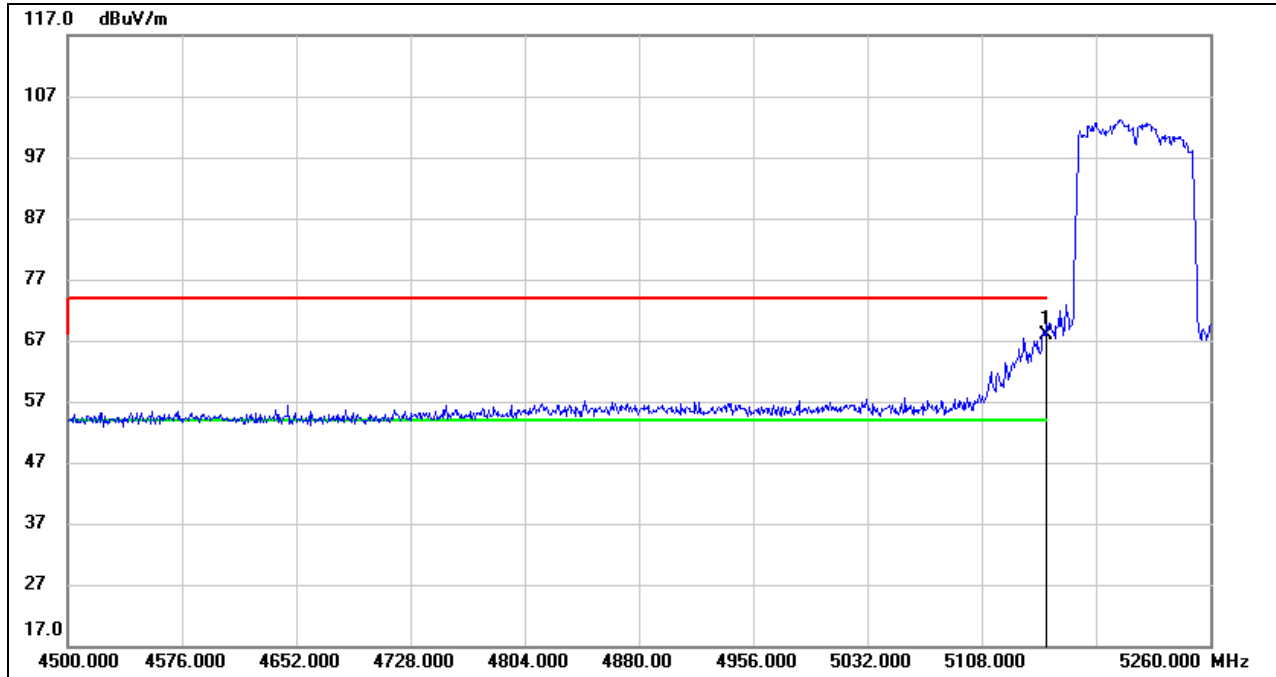
Note: Horizontal and Vertical have been tested, only the worst data was recorded in the report.

8.1.4. 802.11ac VHT80 MIMO MODE

UNII-1 BAND

RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)

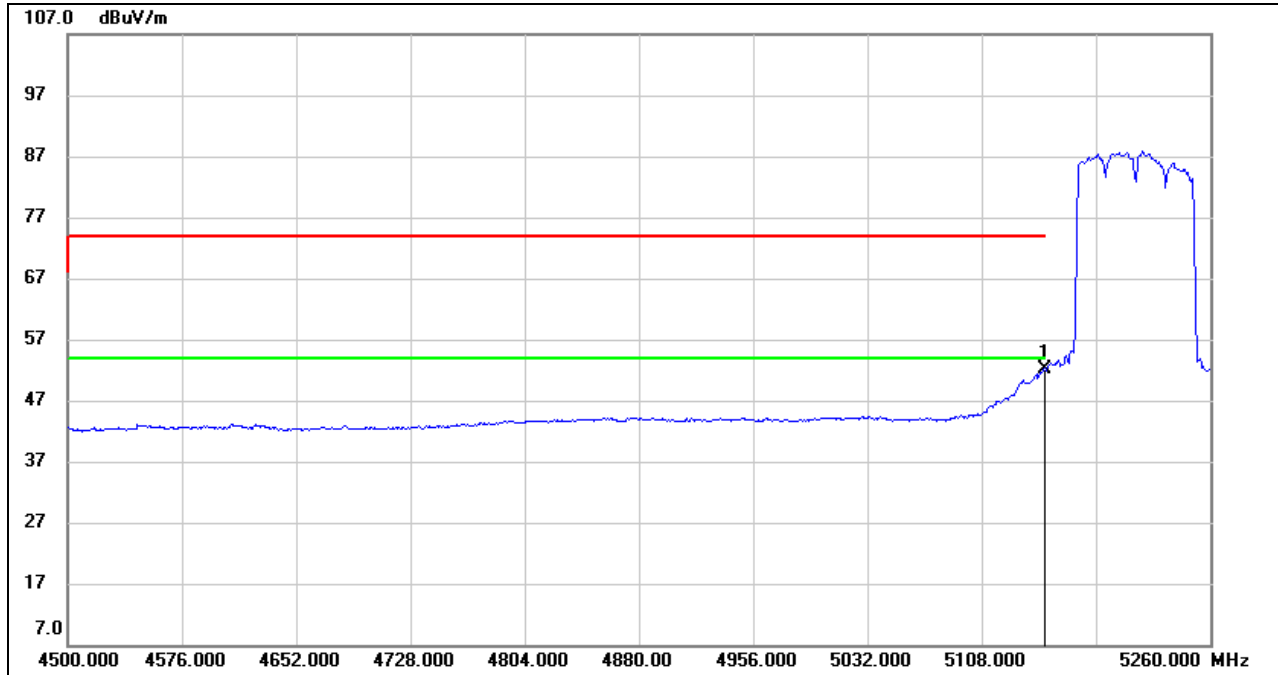
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	26.80	41.19	67.99	74.00	-6.01	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**AVG**



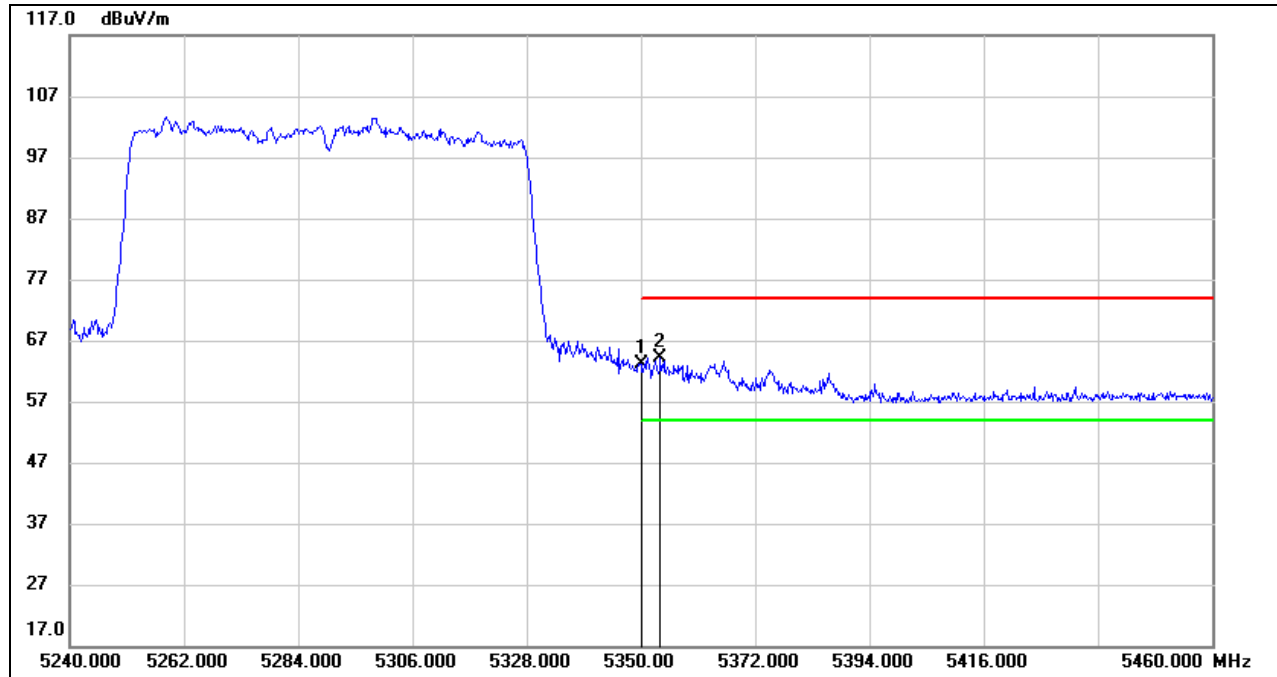
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	10.87	41.19	52.06	54.00	-1.94	AVG

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. AVG:  $VBW=1/T_{on}$ , where:  $T_{on}$  is the transmitting duration.
  4. For the transmitting duration, please refer to clause 7.1.
  5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**UNII-2A BAND**

**RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)**

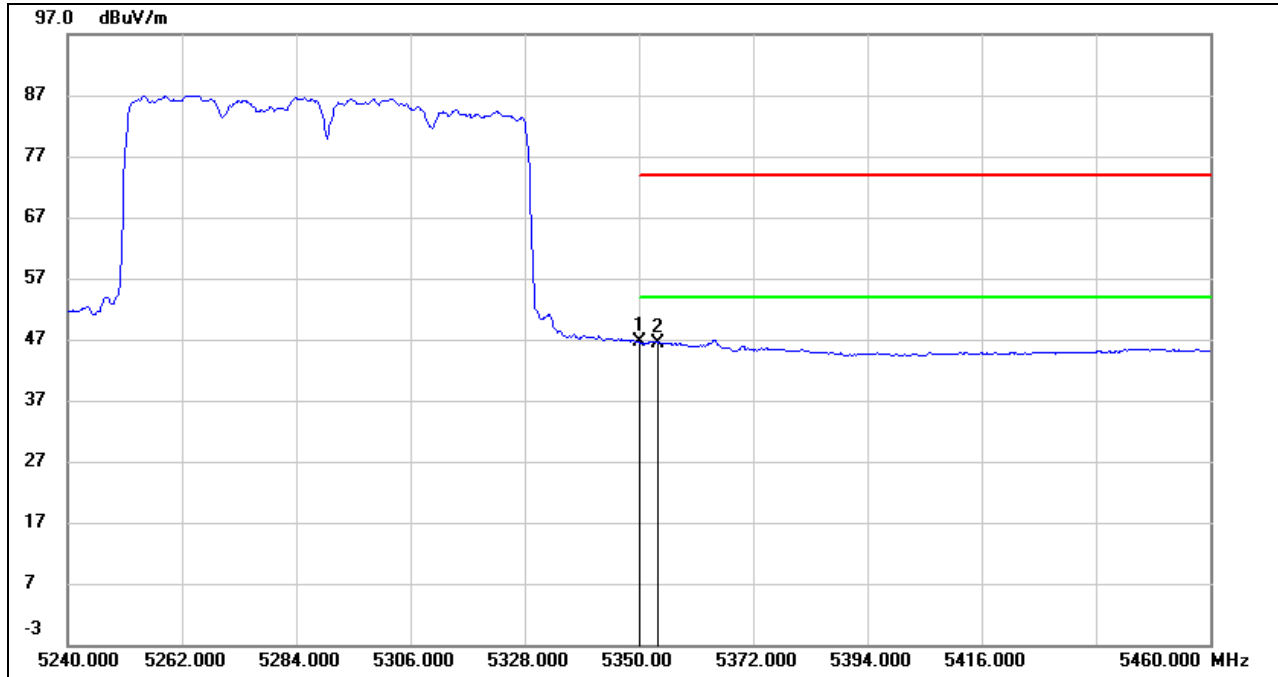
**PEAK**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	21.91	41.20	63.11	74.00	-10.89	peak
2	5353.740	23.03	41.22	64.25	74.00	-9.75	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**AVG**



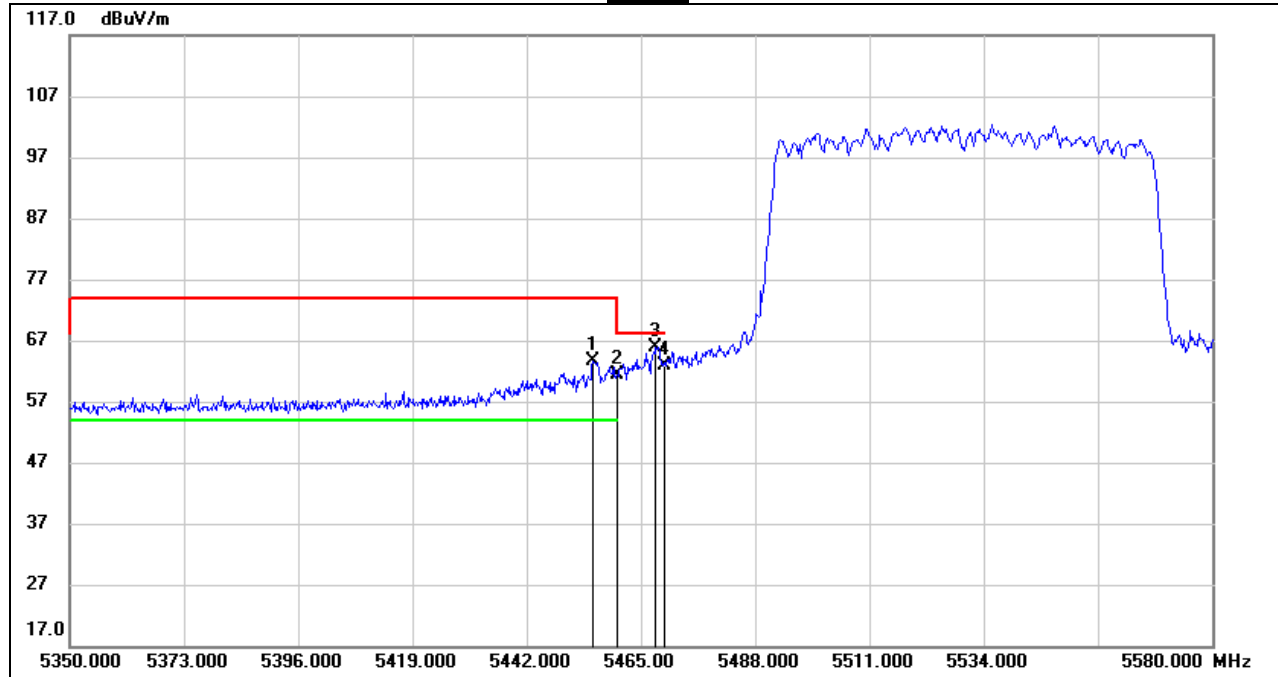
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	5.51	41.20	46.71	54.00	-7.29	AVG
2	5353.740	5.22	41.22	46.44	54.00	-7.56	AVG

- Note:
1. Measurement = Reading Level + Correct Factor
  2. AVG:  $VBW=1/Ton$  where: ton is transmit duration.
  3. For duty cycle, please refer to clause 7.1.
  4. Only the worst case emission will be recorder, if it complies with the limit, the other emissions deemed to comply with the limit.

**UNII-2C BAND**

**RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)**

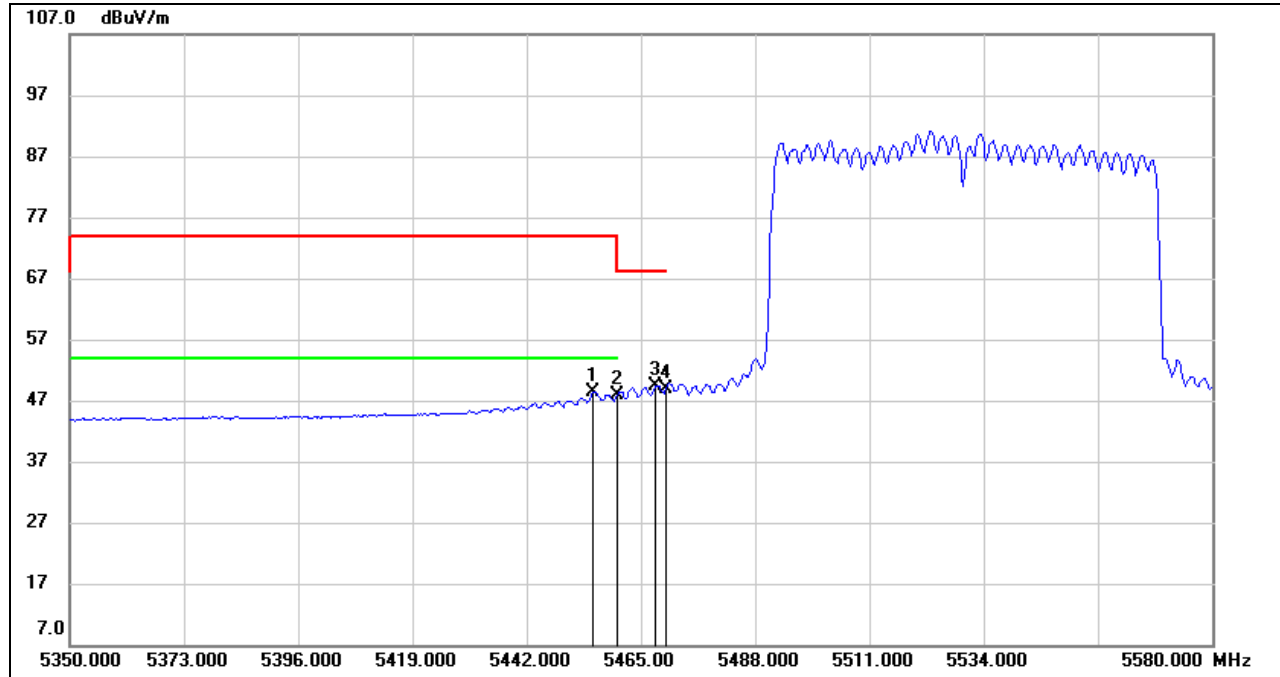
**PEAK**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5455.340	21.75	41.80	63.55	74.00	-10.45	peak
2	5460.000	19.48	41.82	61.30	68.20	-6.90	peak
3	5467.990	24.02	41.87	65.89	68.20	-2.31	peak
4	5470.000	20.97	41.87	62.84	68.20	-5.36	peak

Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**AVG**



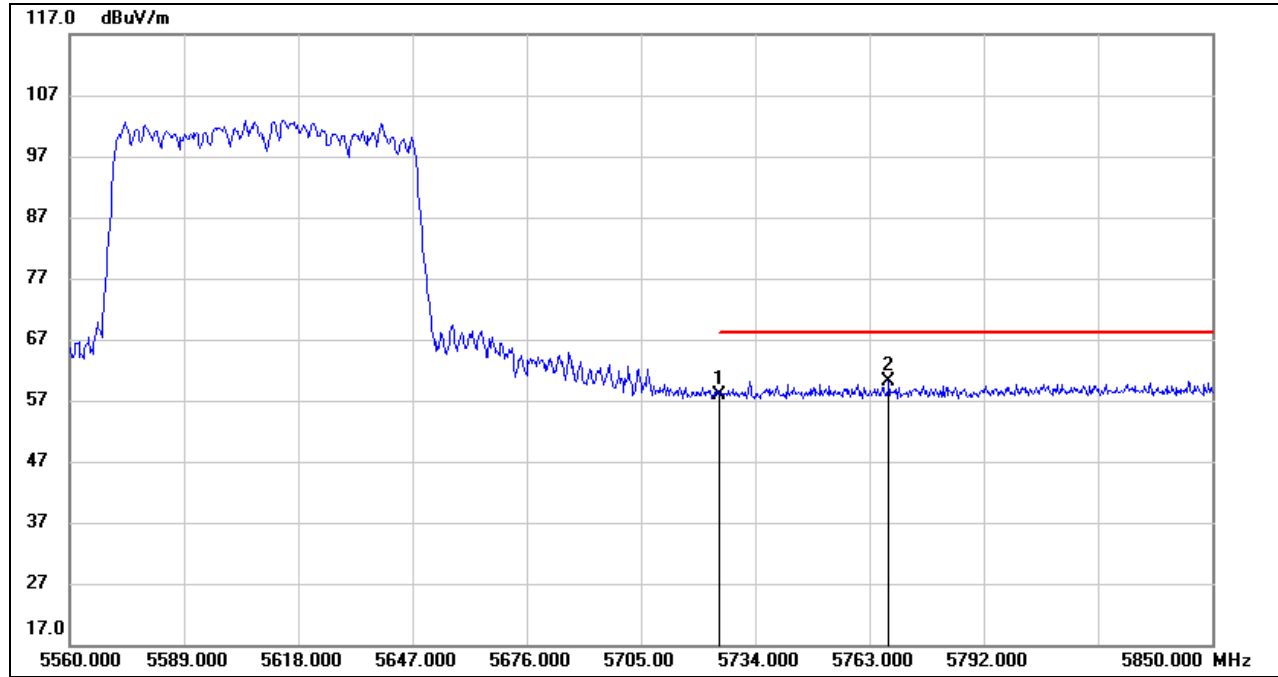
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5455.340	6.47	41.80	48.27	54.00	-5.73	AVG
2	5460.000	6.03	41.82	47.85	54.00	-6.15	AVG
3	5467.990	7.52	41.87	49.39	68.20	-18.81	AVG
4	5470.000	6.96	41.87	48.83	68.20	-19.37	AVG

Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. AVG: VBW=1/Ton, where: Ton is the transmitting duration.  
 4. For the transmitting duration, please refer to clause 7.1.  
 5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



**RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)**

**PEAK**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	16.26	41.67	57.93	68.20	-10.27	peak
2	5767.930	18.34	41.87	60.21	68.20	-7.99	peak

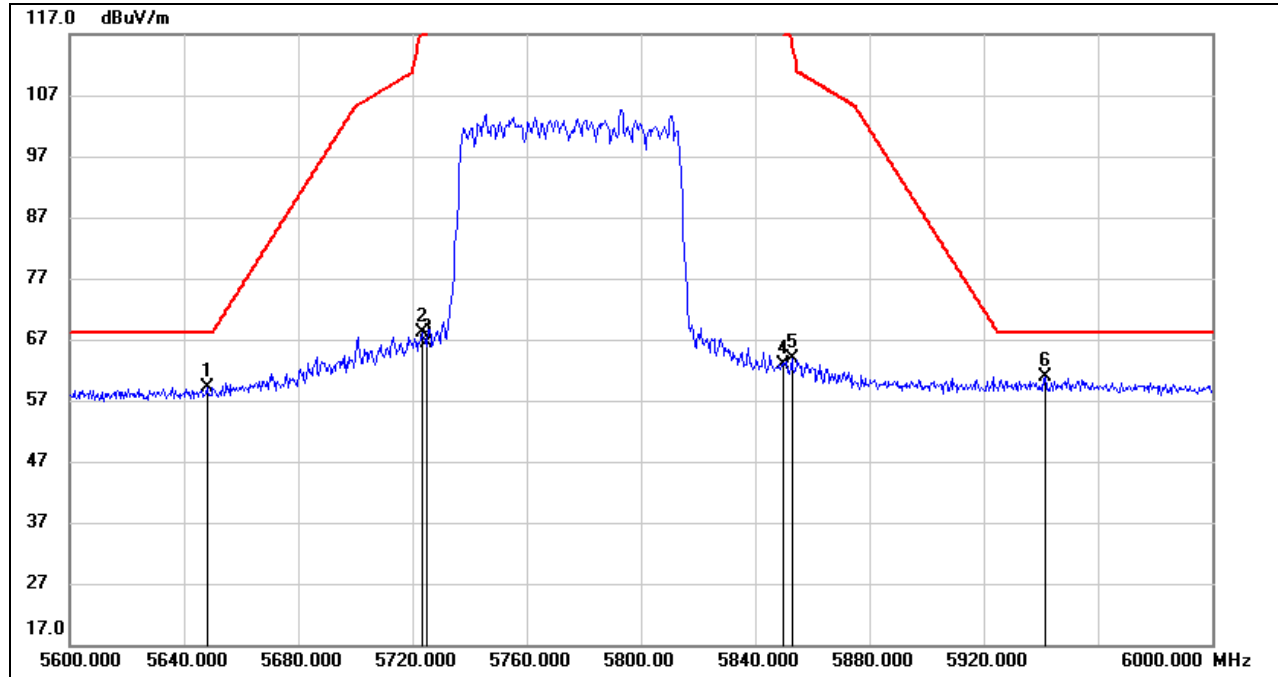
- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.





**UNII-3 BAND**

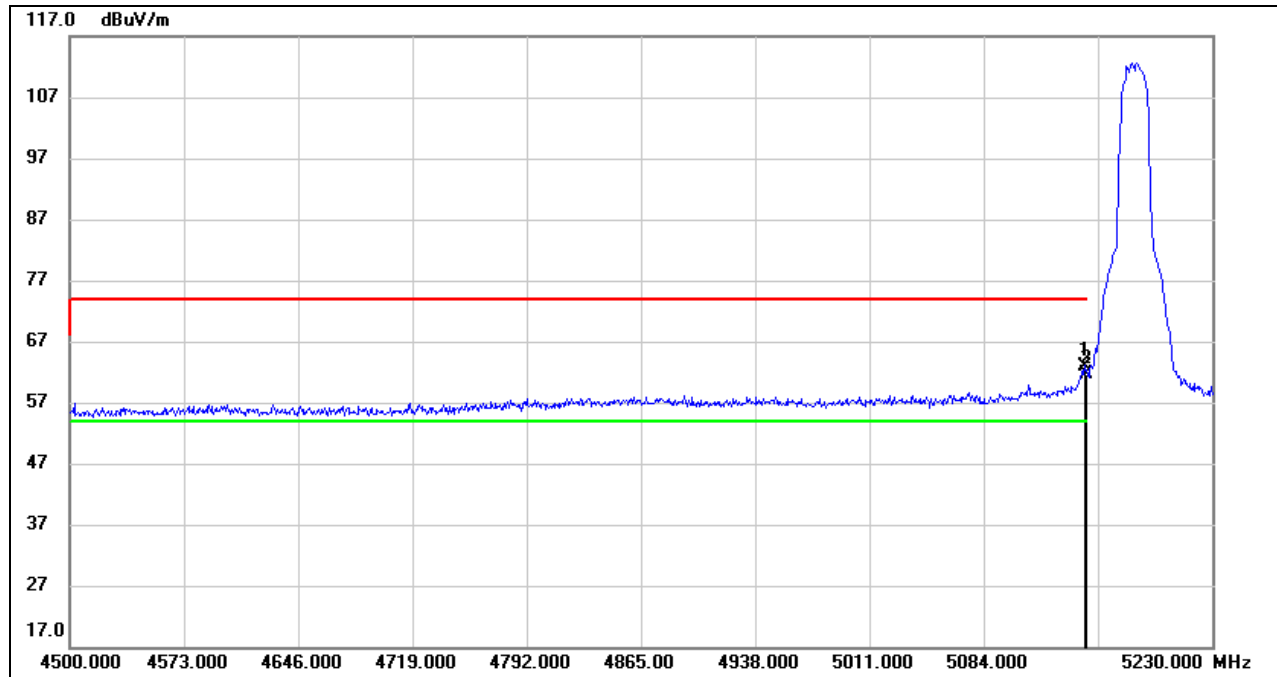
**RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5648.000	17.56	41.65	59.21	68.20	-8.99	peak
2	5723.200	26.56	41.66	68.22	118.10	-49.88	peak
3	5725.000	24.78	41.67	66.45	122.20	-55.75	peak
4	5850.000	20.31	42.52	62.83	122.20	-59.37	peak
5	5852.800	21.28	42.55	63.83	115.81	-51.98	peak
6	5941.600	18.15	42.83	60.98	68.20	-7.22	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

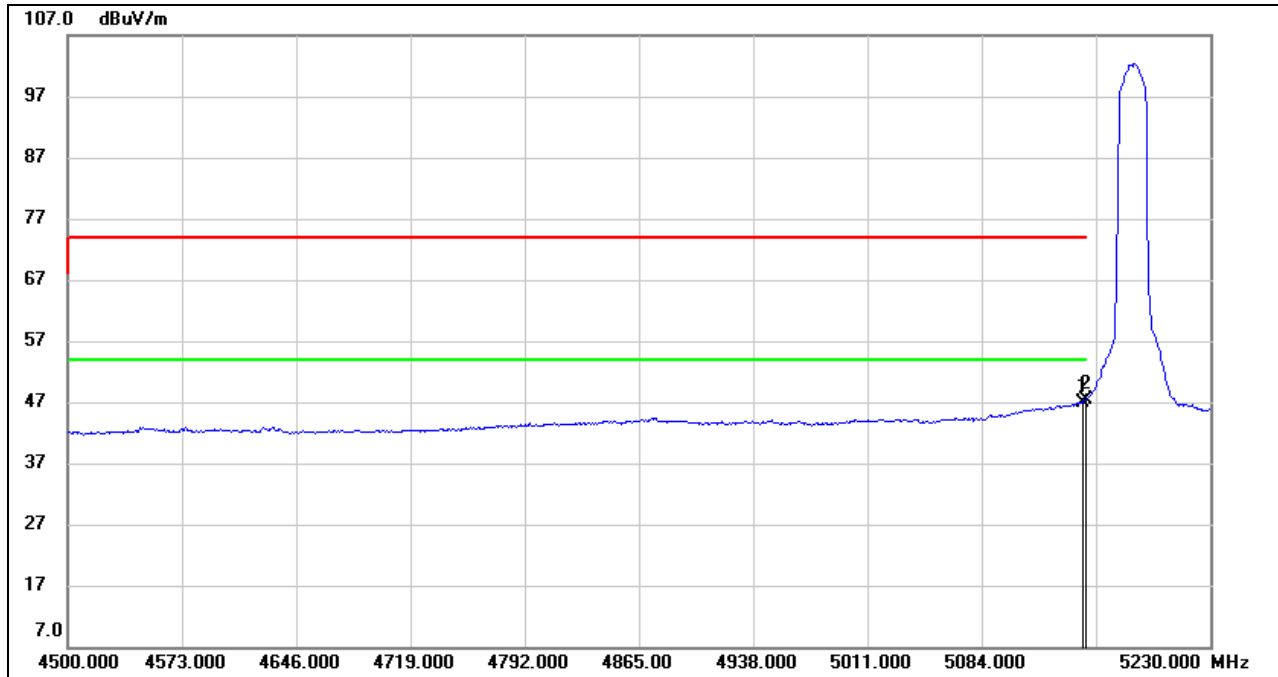
Note: Horizontal and Vertical have been tested, only the worst data was recorded in the report.

**INNO-LINK ANTENNA:****8.1.5. 802.11a20 SISO MODE****ANTENNA 1 TEST RESULTS (WORST CASE)****UNII-1 BAND****RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)****PEAK**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5148.240	21.83	41.17	63.00	74.00	-11.00	peak
2	5150.000	20.38	41.19	61.57	74.00	-12.43	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**AVG**



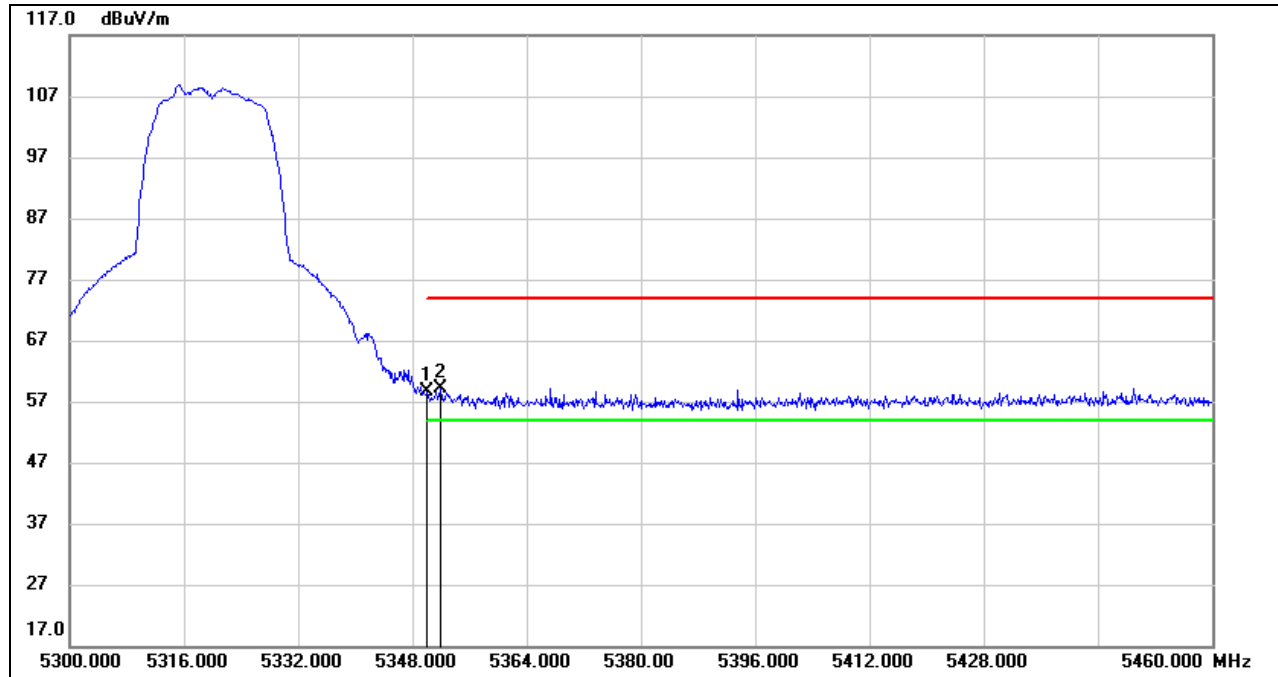
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5148.240	5.81	41.17	46.98	54.00	-7.02	AVG
2	5150.000	6.24	41.19	47.43	54.00	-6.57	AVG

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. AVG:  $VBW=1/T_{on}$ , where:  $T_{on}$  is the transmitting duration.
  4. For the transmitting duration, please refer to clause 7.1.
  5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**UNII-2A BAND**

**RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)**

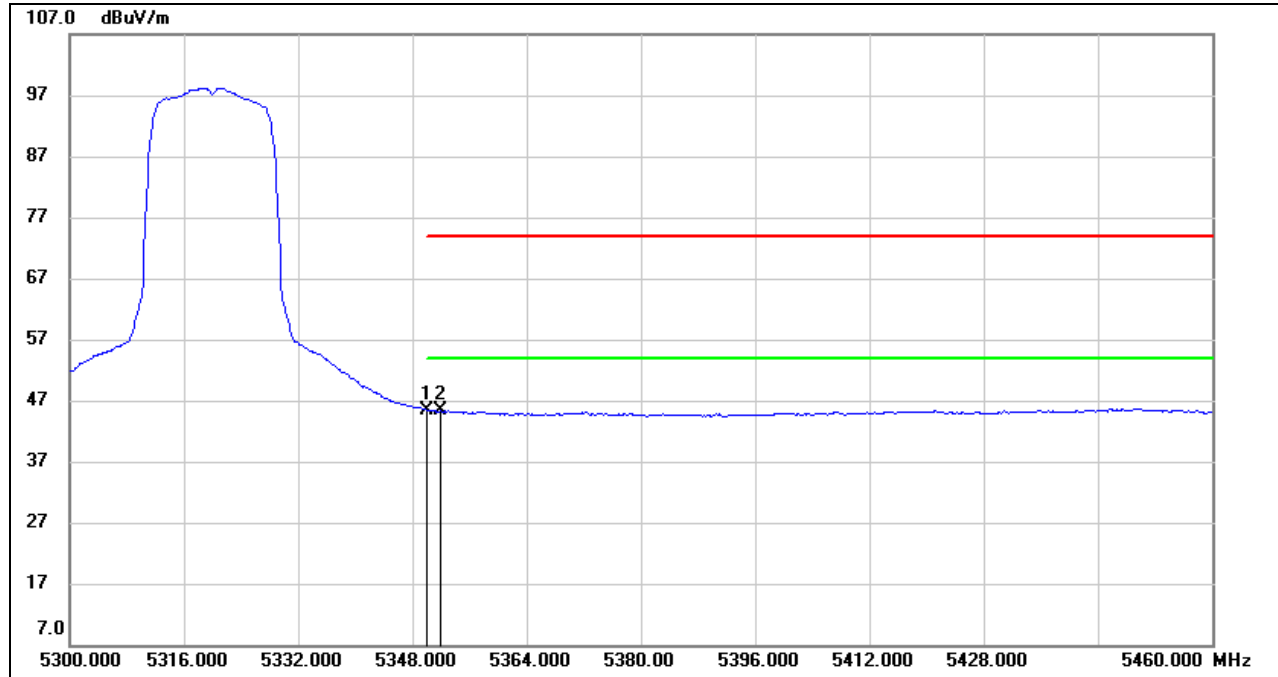
**PEAK**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	17.34	41.20	58.54	74.00	-15.46	peak
2	5352.000	17.91	41.21	59.12	74.00	-14.88	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**AVG**



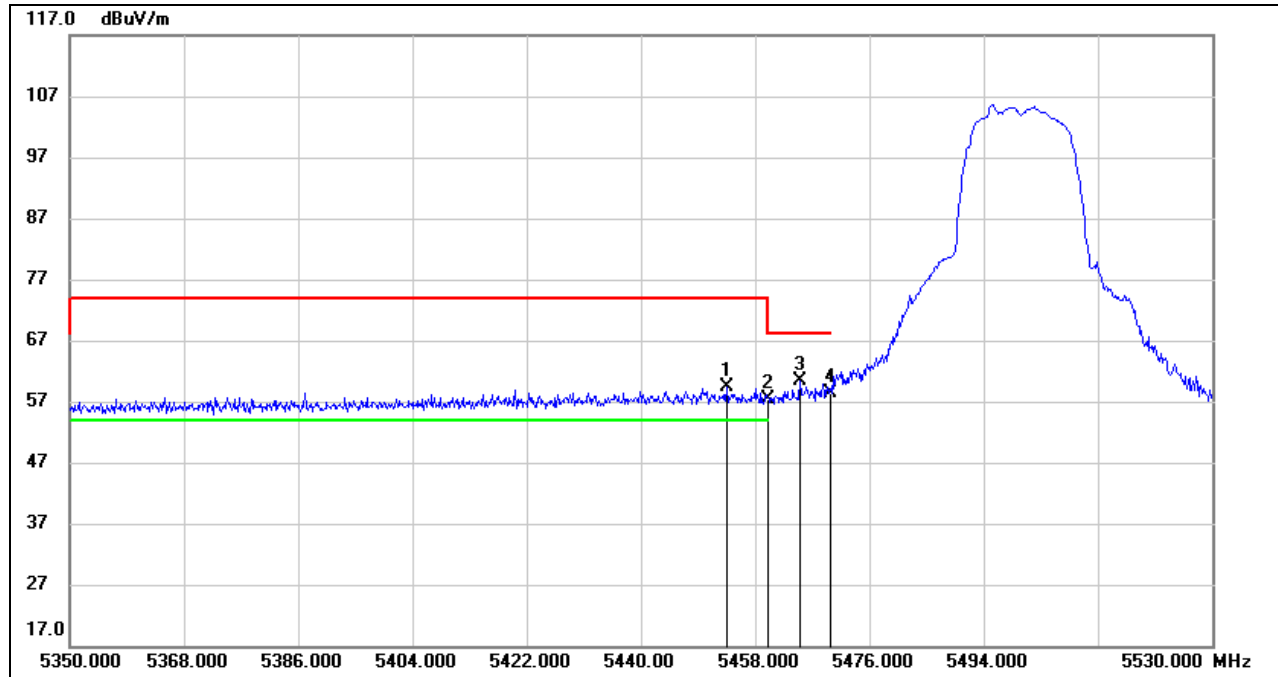
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	4.18	41.20	45.38	54.00	-8.62	AVG
2	5352.000	4.05	41.21	45.26	54.00	-8.74	AVG

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  4. For the transmitting duration, please refer to clause 7.1.
  5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**UNII-2C BAND**

**RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)**

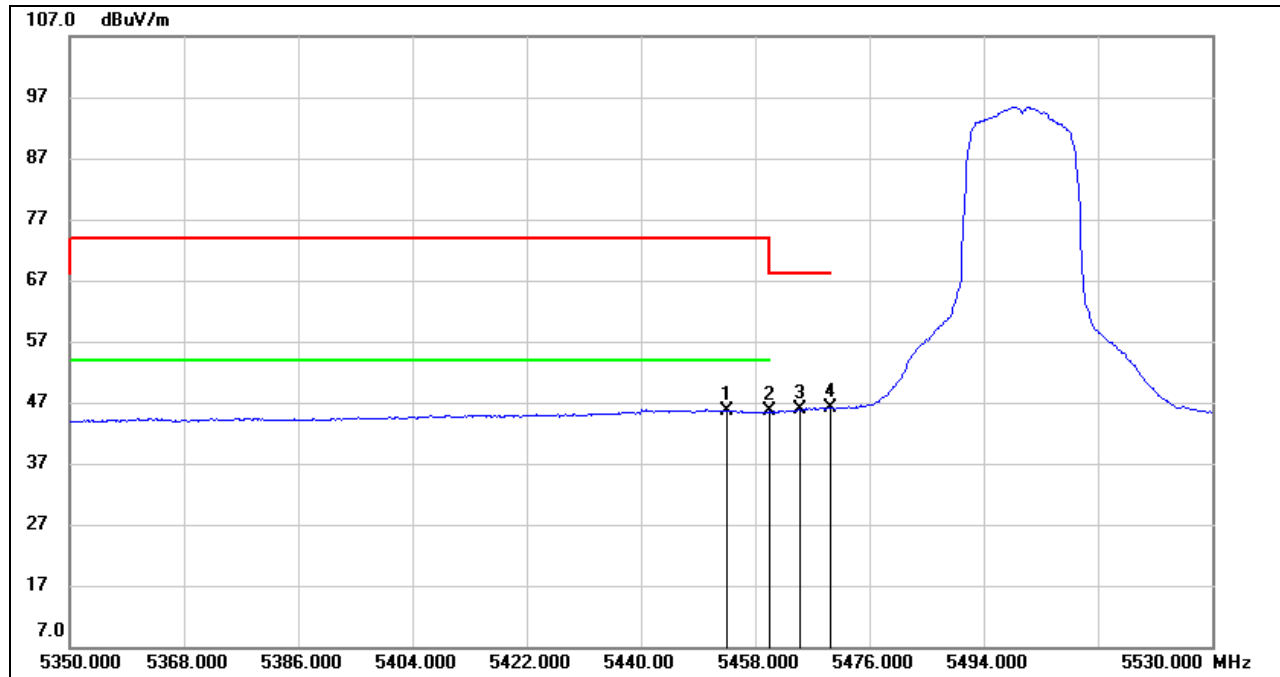
**PEAK**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5453.500	17.59	41.78	59.37	74.00	-14.63	peak
2	5460.000	15.65	41.82	57.47	68.20	-10.73	peak
3	5465.020	18.53	41.85	60.38	68.20	-7.82	peak
4	5470.000	16.51	41.87	58.38	68.20	-9.82	peak

Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**AVG**

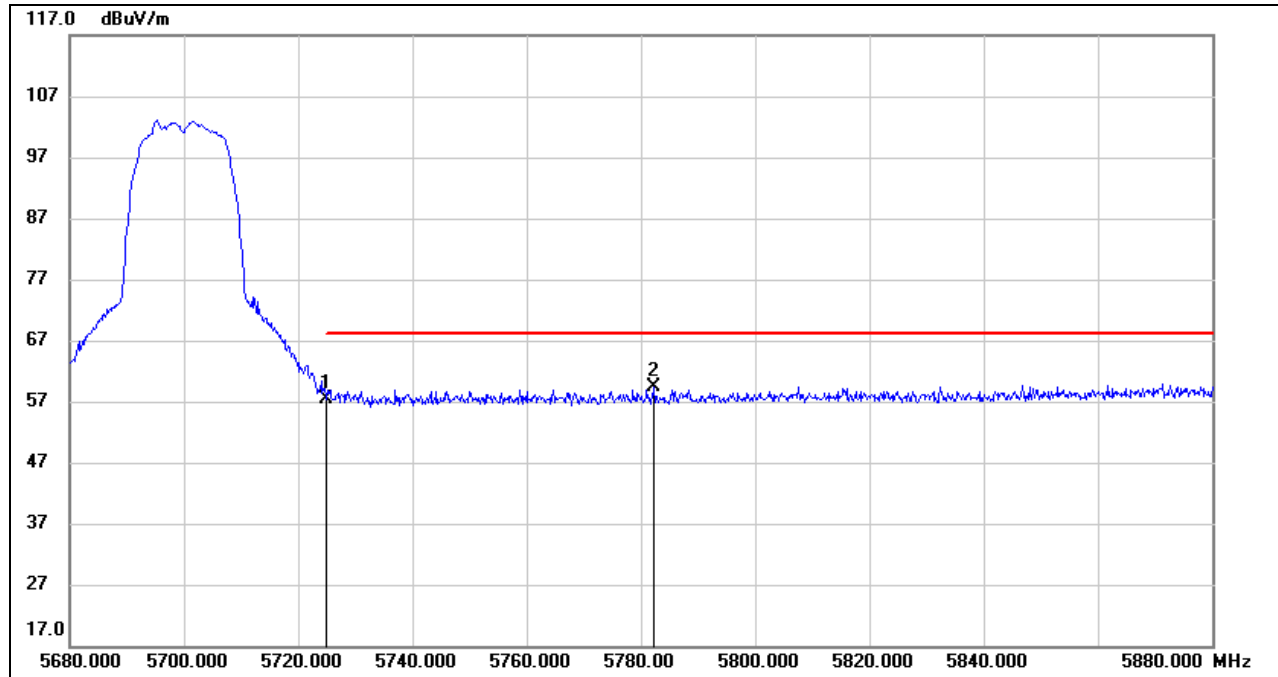


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5453.500	3.88	41.78	45.66	54.00	-8.34	AVG
2	5460.000	3.69	41.82	45.51	54.00	-8.49	AVG
3	5465.020	4.02	41.85	45.87	68.20	-22.33	AVG
4	5470.000	4.23	41.87	46.10	68.20	-22.10	AVG

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  4. For the transmitting duration, please refer to clause 7.1.
  5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)**

**PEAK**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	15.83	41.67	57.50	68.20	-10.70	peak
2	5782.200	17.36	41.94	59.30	68.20	-8.90	peak

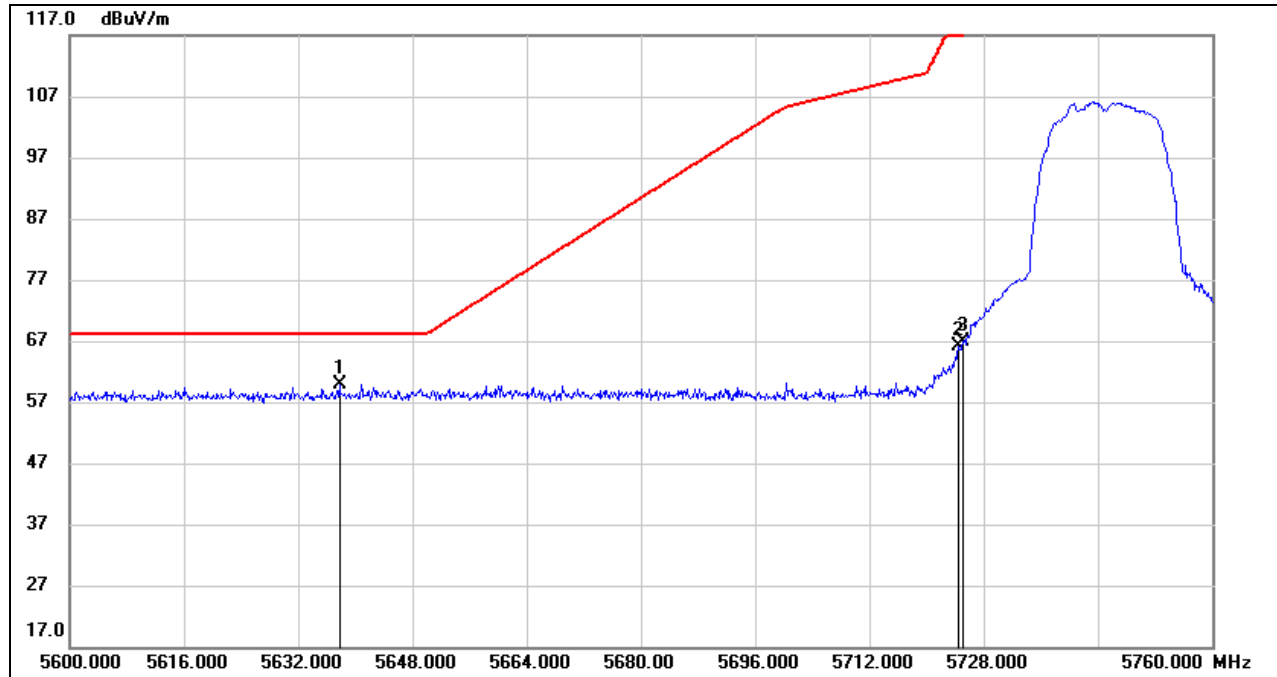
Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



**UNII-3 BAND**

**RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)**

**PEAK**

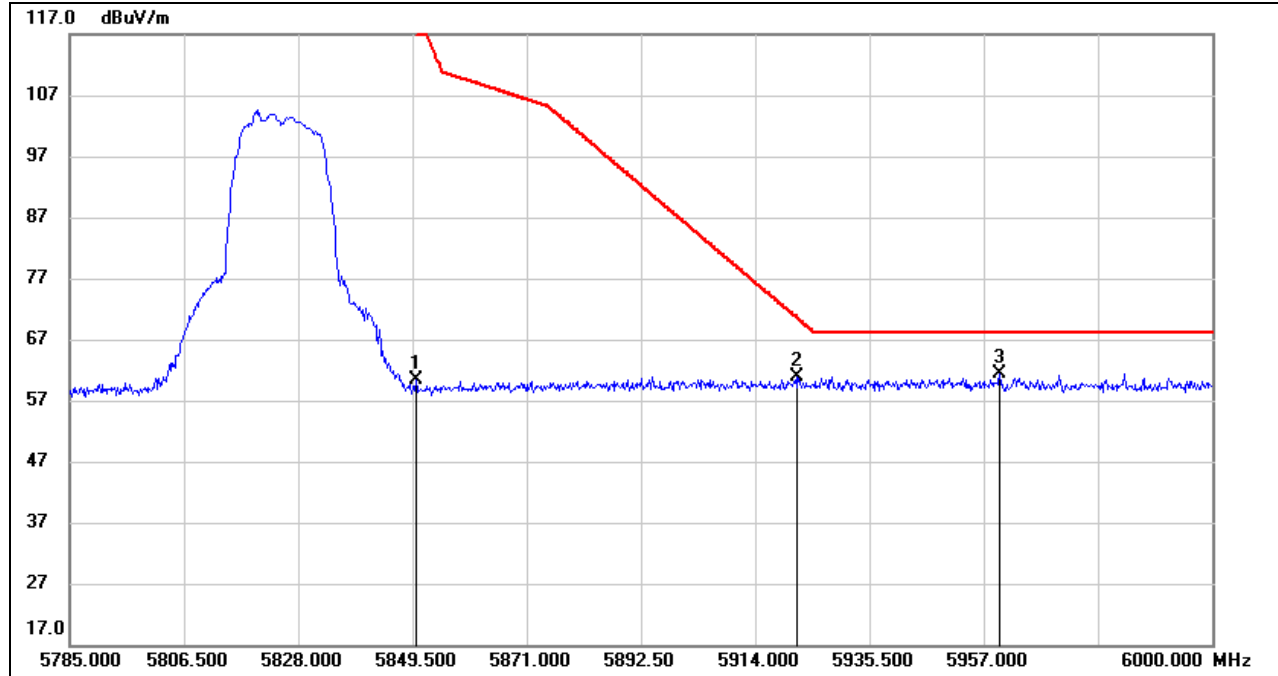


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5637.760	18.16	41.67	59.83	68.20	-8.37	peak
2	5724.480	24.35	41.67	66.02	121.01	-54.99	peak
3	5725.000	25.10	41.67	66.77	122.20	-55.43	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)**

**PEAK**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	17.86	42.52	60.38	122.20	-61.82	peak
2	5921.740	18.07	42.93	61.00	70.60	-9.60	peak
3	5960.010	18.52	42.75	61.27	68.20	-6.93	peak

Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Note: Both the two antennas had been tested, but only the worst data was recorded in the report.

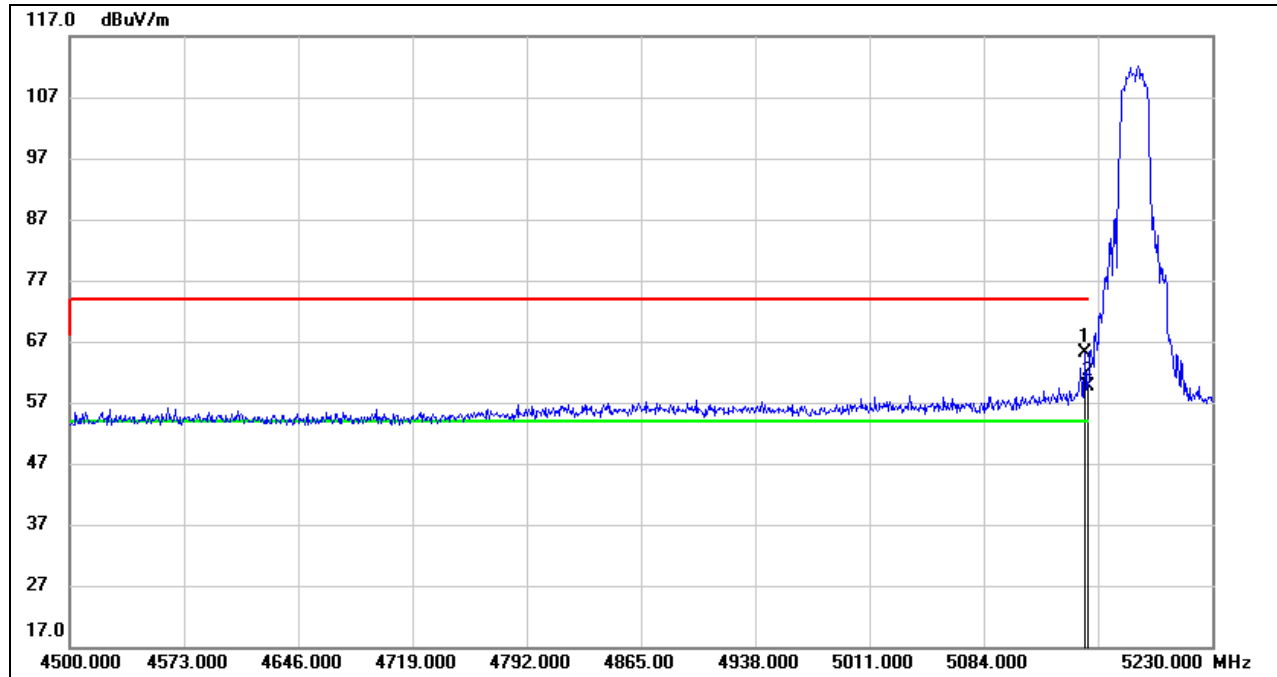
Note: Horizontal and Vertical have been tested, only the worst data was recorded in the report.

8.1.6. 802.11ac VHT20 MIMO MODE

UNII-1 BAND

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

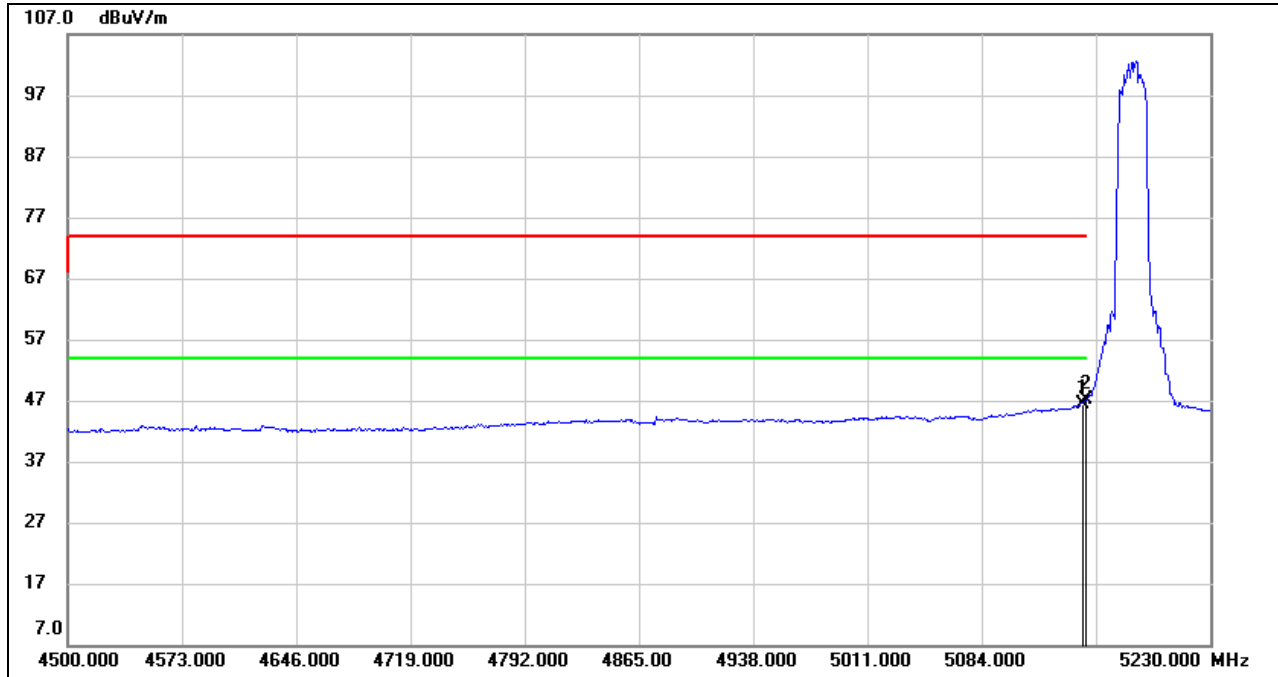
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5148.970	23.96	41.18	65.14	74.00	-8.86	peak
2	5150.000	18.40	41.19	59.59	74.00	-14.41	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**AVG**



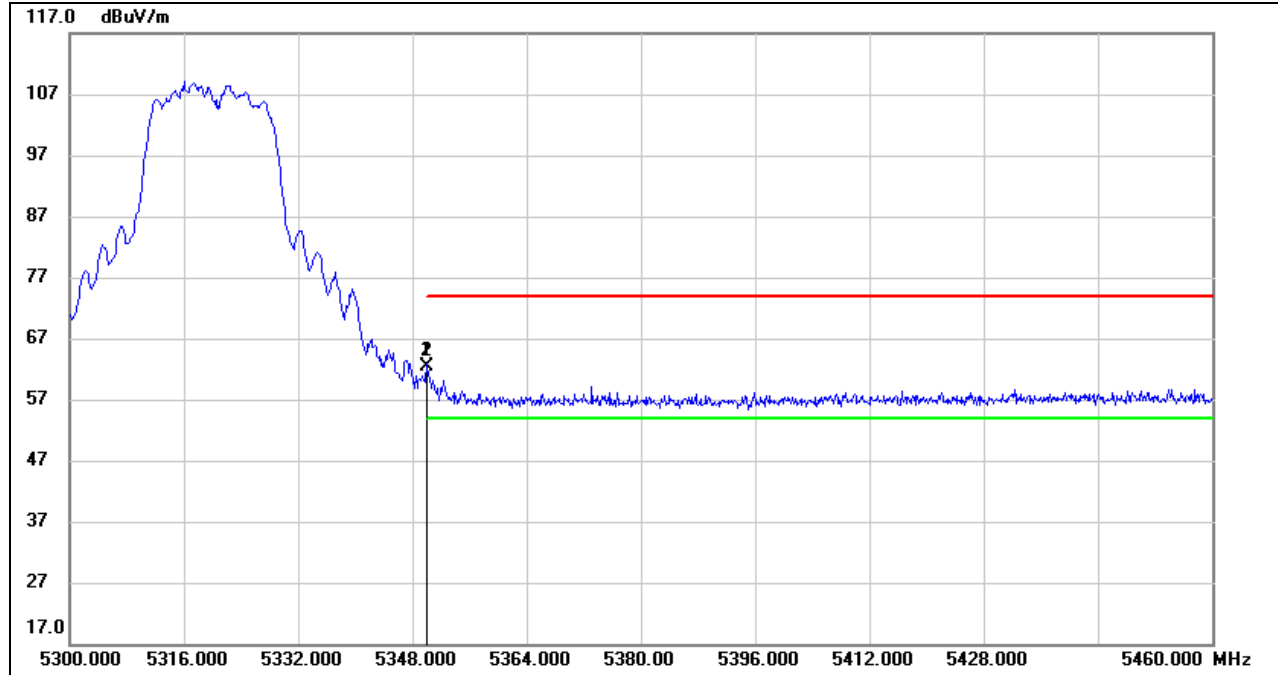
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5148.970	5.32	41.18	46.50	54.00	-7.50	AVG
2	5150.000	5.94	41.19	47.13	54.00	-6.87	AVG

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. AVG:  $VBW=1/T_{on}$ , where:  $T_{on}$  is the transmitting duration.
  4. For the transmitting duration, please refer to clause 7.1.
  5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**UNII-2A BAND**

**RESTRICTED BANDEGE (HIGH CHANNEL, VERTICAL)**

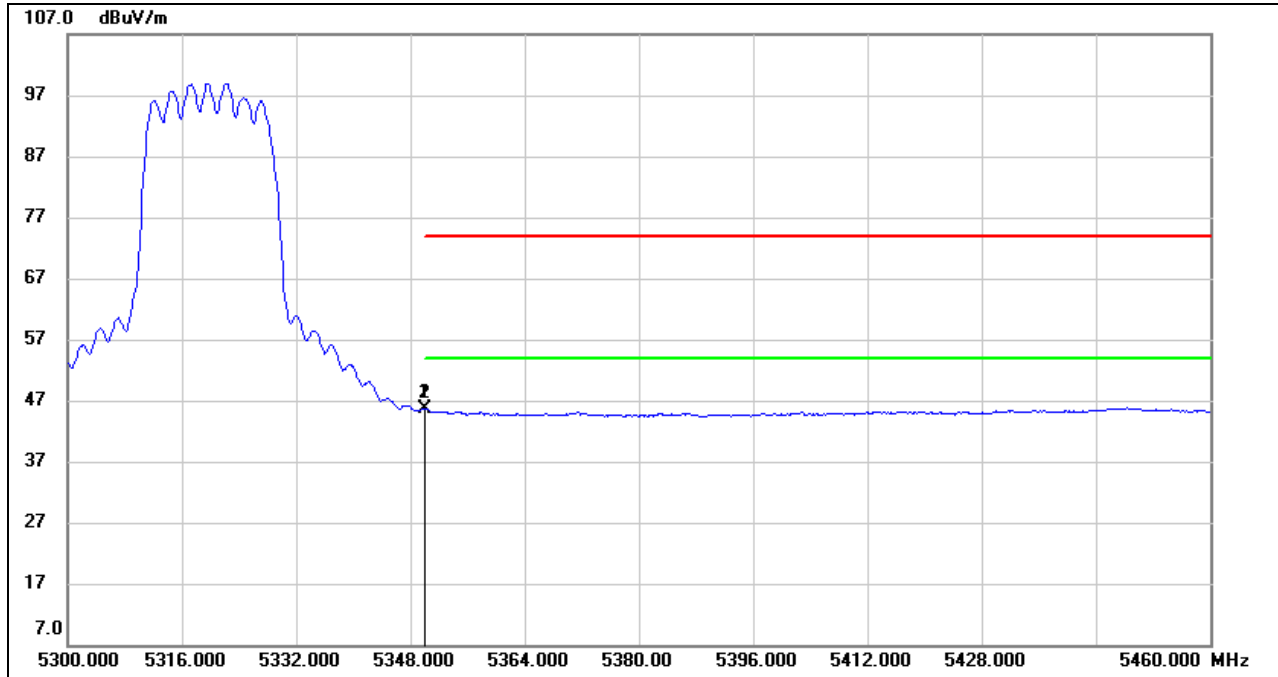
**PEAK**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	21.21	41.20	62.41	74.00	-11.59	peak
2	5350.080	21.20	41.21	62.41	74.00	-11.59	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**AVG**



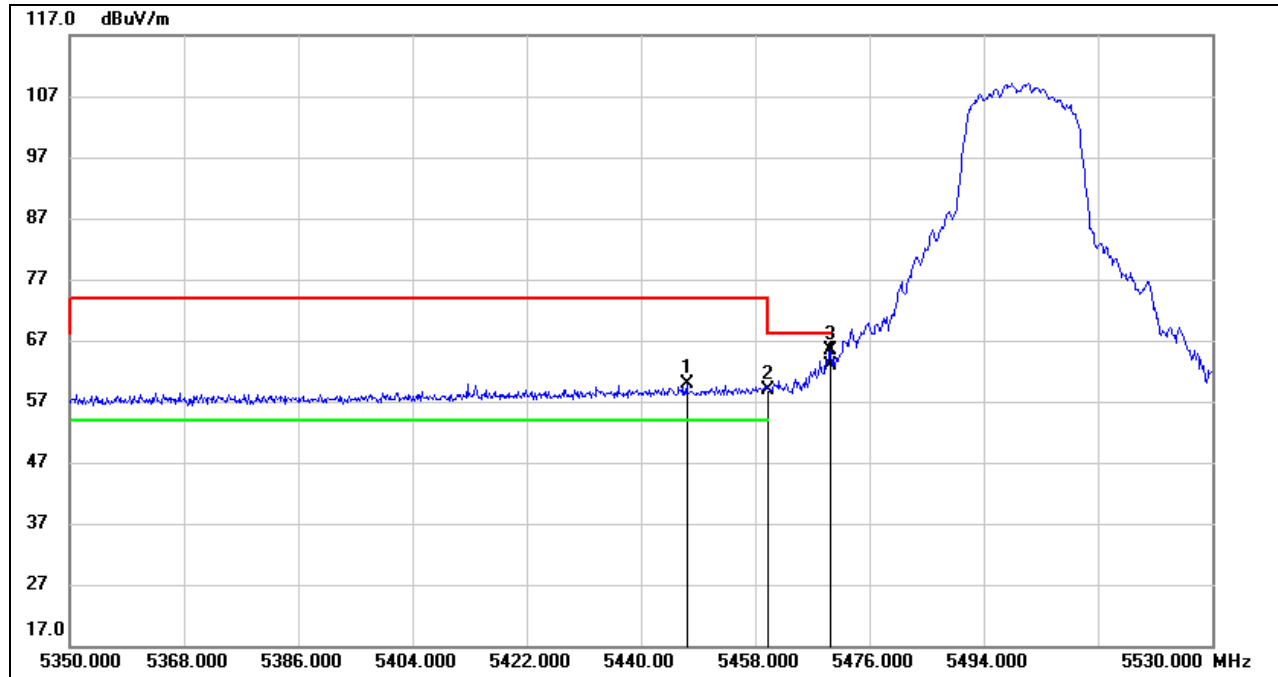
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	4.41	41.20	45.61	54.00	-8.39	AVG
2	5350.080	4.40	41.21	45.61	54.00	-8.39	AVG

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  4. For the transmitting duration, please refer to clause 7.1.
  5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**UNII-2C BAND**

**RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)**

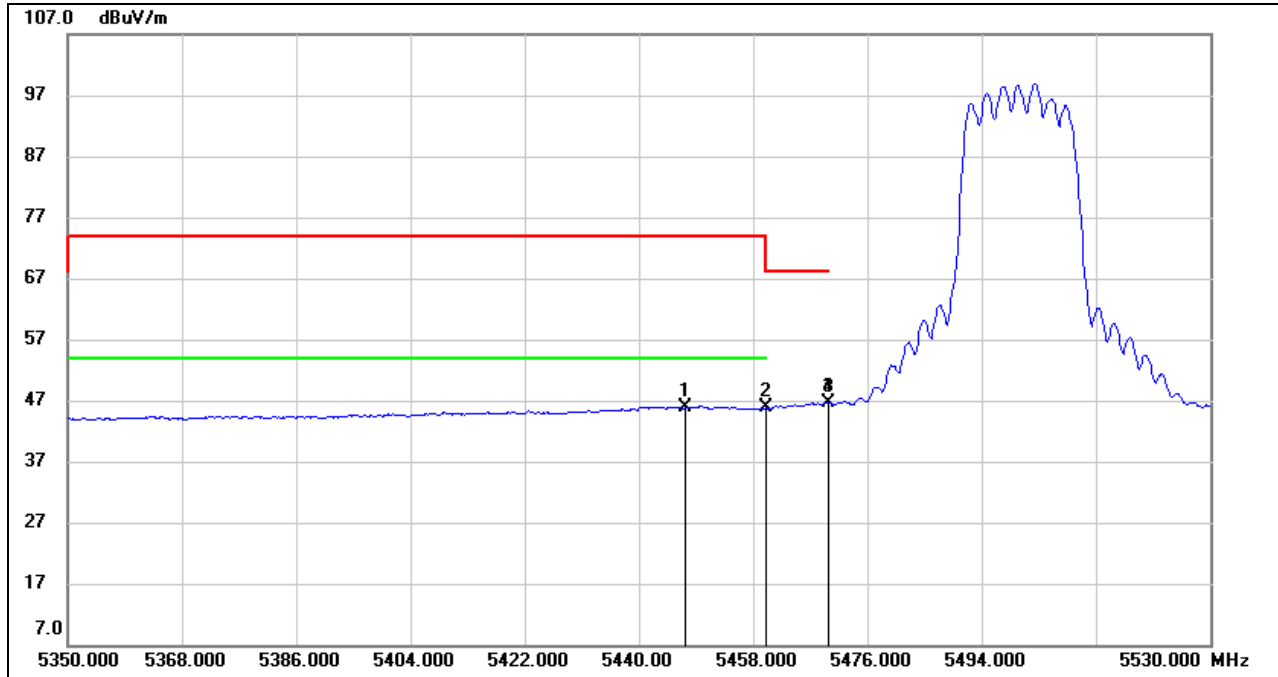
**PEAK**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5447.200	18.11	41.75	59.86	74.00	-14.14	peak
2	5460.000	17.12	41.82	58.94	68.20	-9.26	peak
3	5469.880	23.44	41.87	65.31	68.20	-2.89	peak
4	5470.000	21.10	41.87	62.97	68.20	-5.23	peak

Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**AVG**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5447.200	4.03	41.75	45.78	54.00	-8.22	AVG
2	5460.000	3.96	41.82	45.78	54.00	-8.22	AVG
3	5469.880	4.86	41.87	46.73	68.20	-21.47	AVG
4	5470.000	4.83	41.87	46.70	68.20	-21.50	AVG

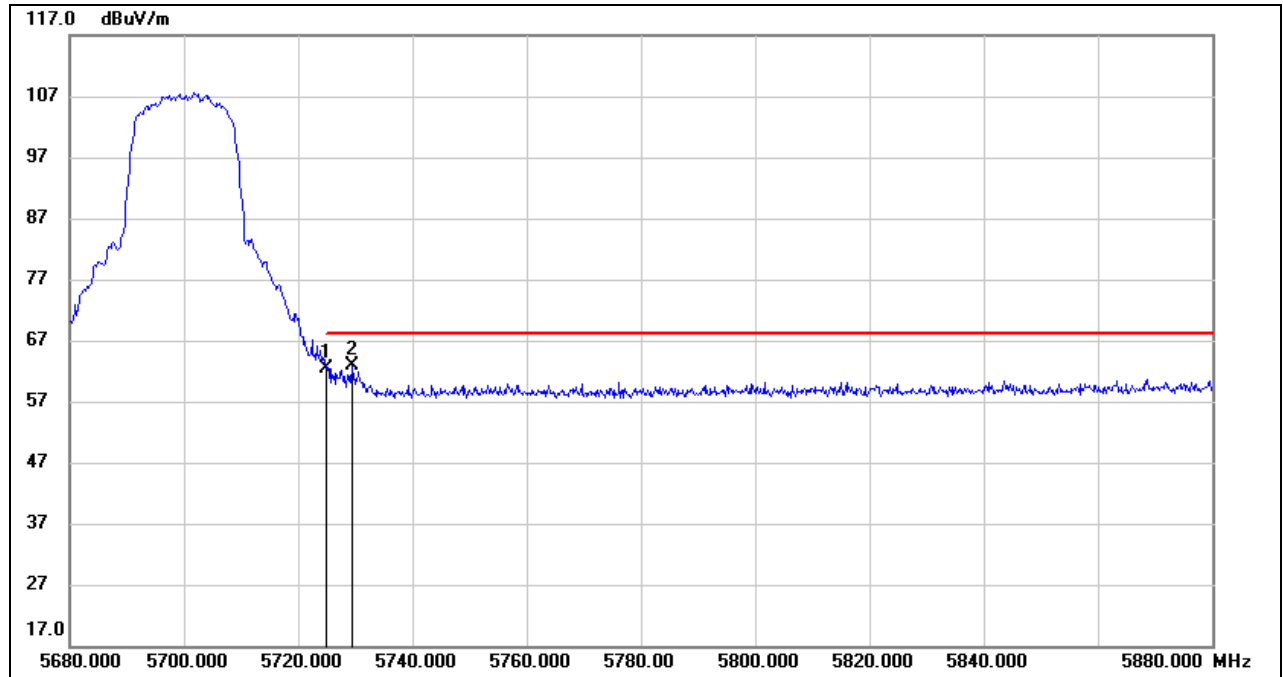
- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. AVG:  $VBW=1/T_{on}$ , where:  $T_{on}$  is the transmitting duration.
  4. For the transmitting duration, please refer to clause 7.1.
  5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.





**RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)**

**PEAK**



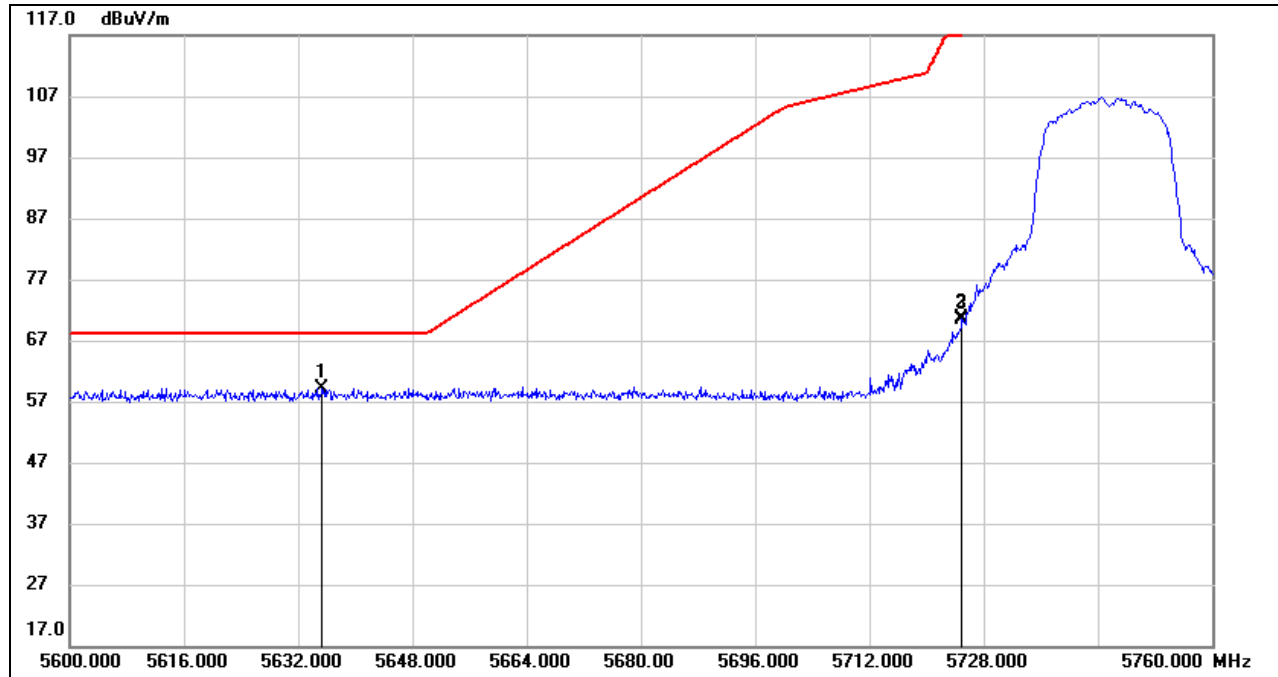
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	20.69	41.67	62.36	68.20	-5.84	peak
2	5729.400	21.28	41.69	62.97	68.20	-5.23	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**UNII-3 BAND**

**RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)**

**PEAK**

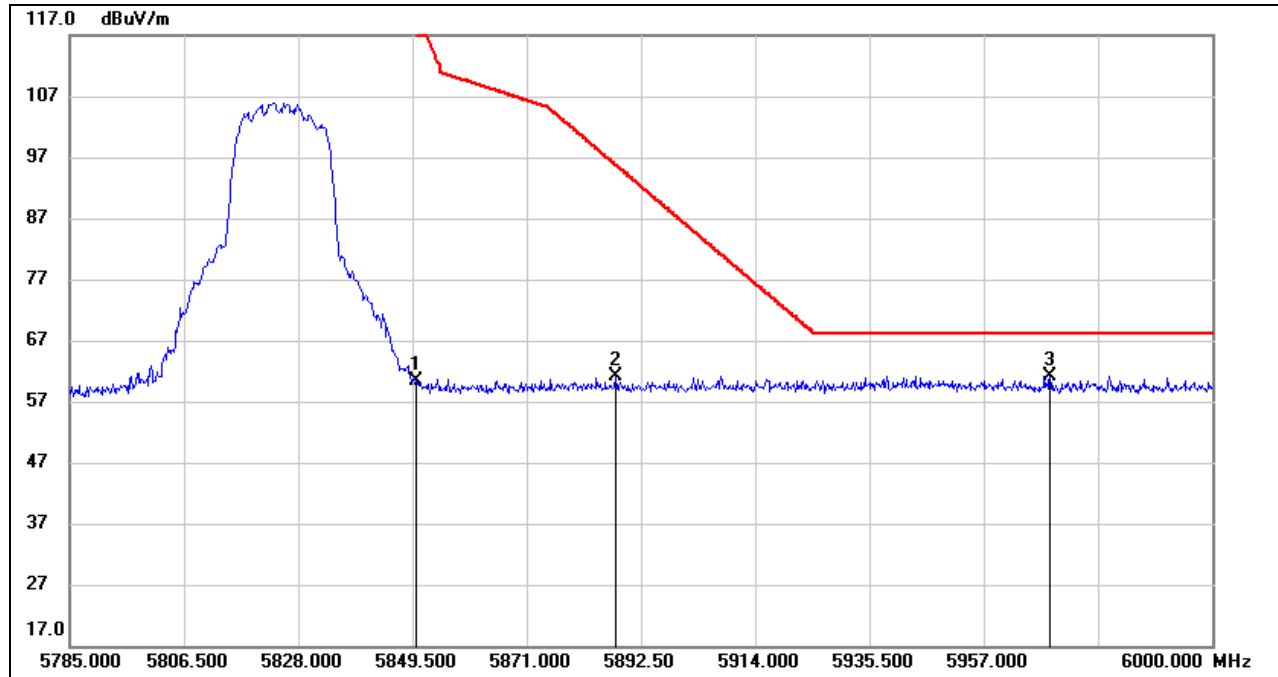


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5635.360	17.49	41.66	59.15	68.20	-9.05	peak
2	5724.960	29.06	41.67	70.73	122.11	-51.38	peak
3	5725.000	28.80	41.67	70.47	122.20	-51.73	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)**

**PEAK**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	17.78	42.52	60.30	122.20	-61.90	peak
2	5887.770	18.27	42.91	61.18	95.72	-34.54	peak
3	5969.470	18.50	42.70	61.20	68.20	-7.00	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

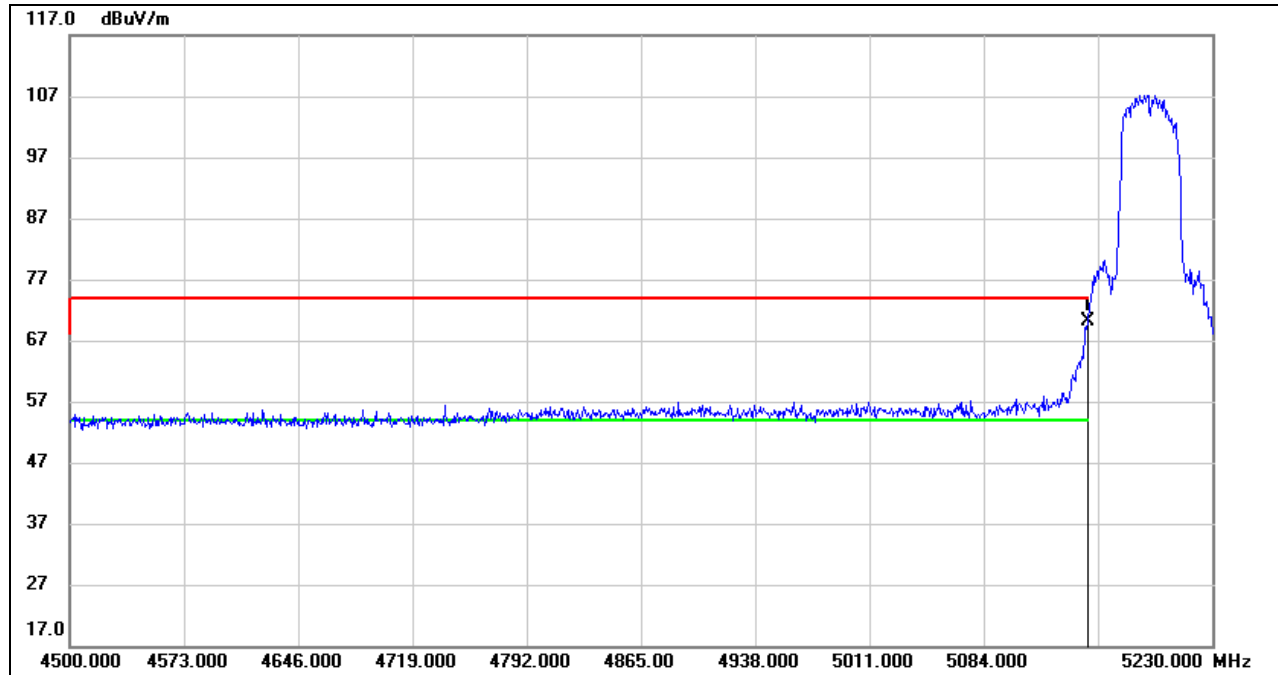
Note: Horizontal and Vertical have been tested, only the worst data was recorded in the report.

8.1.7. 802.11a VHT40 MIMO MODE

UNII-1 BAND

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

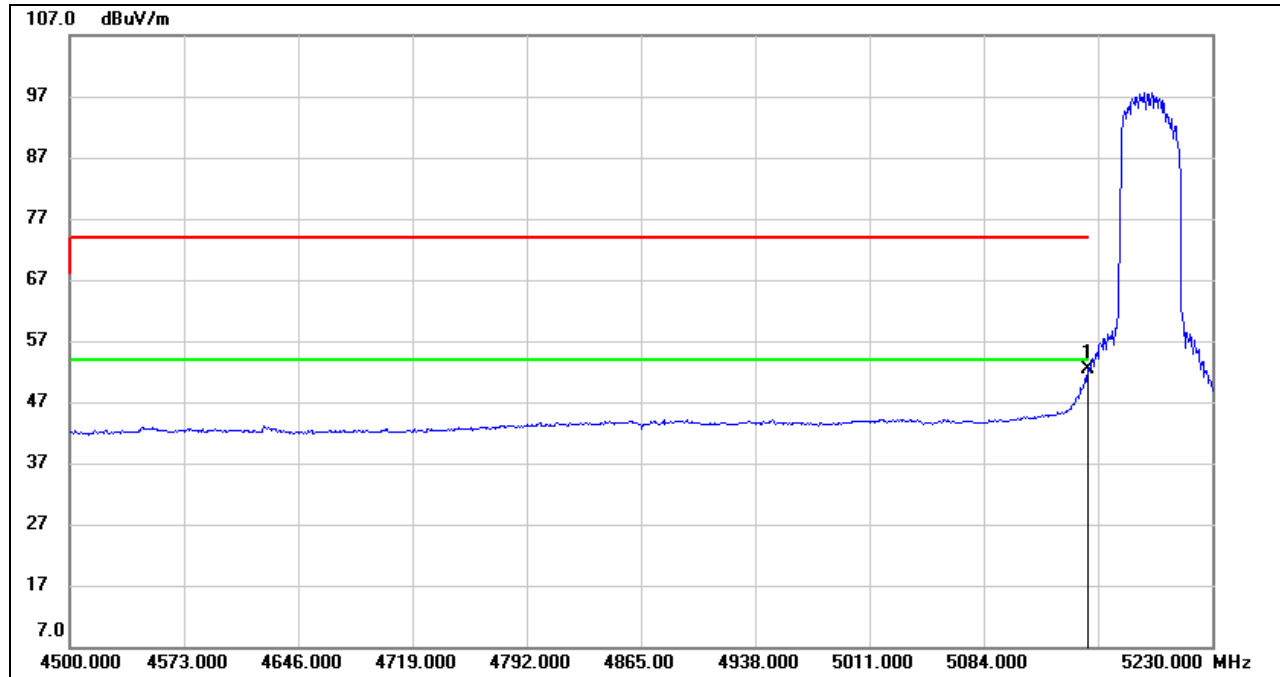
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	28.83	41.19	70.02	74.00	-3.98	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**AVG**



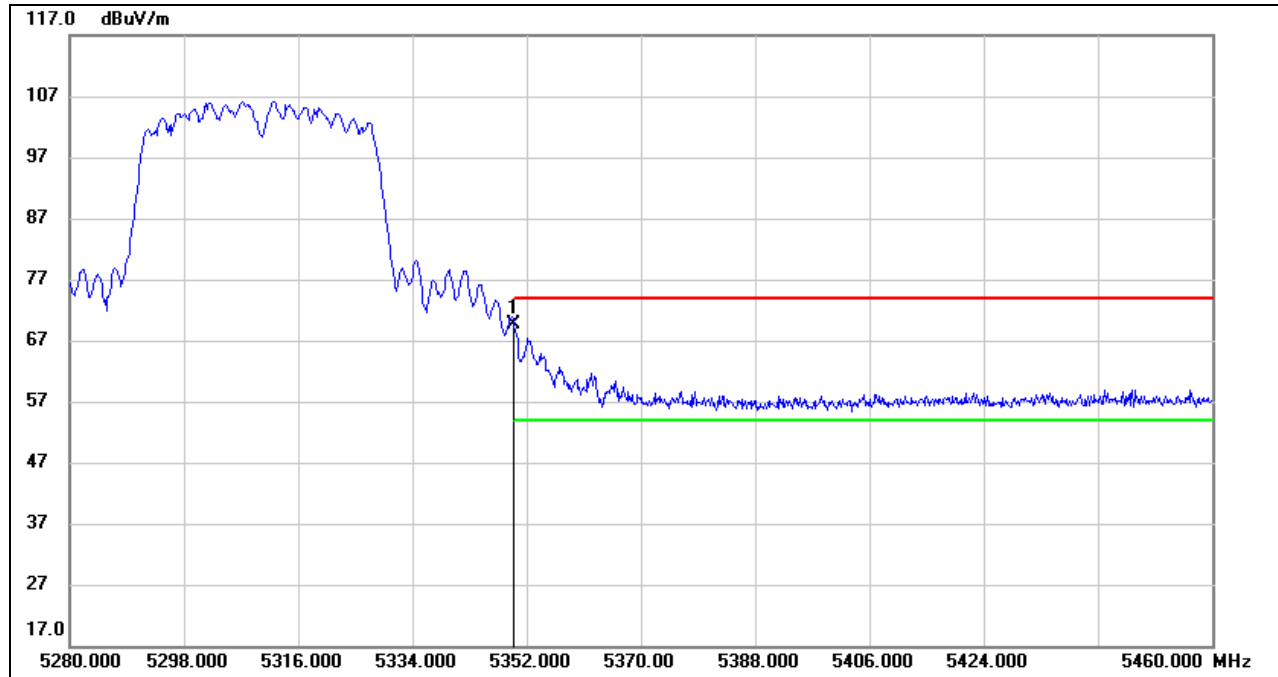
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	11.20	41.19	52.39	54.00	-1.61	AVG

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  4. For the transmitting duration, please refer to clause 7.1.
  5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**UNII-2A BAND**

**RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)**

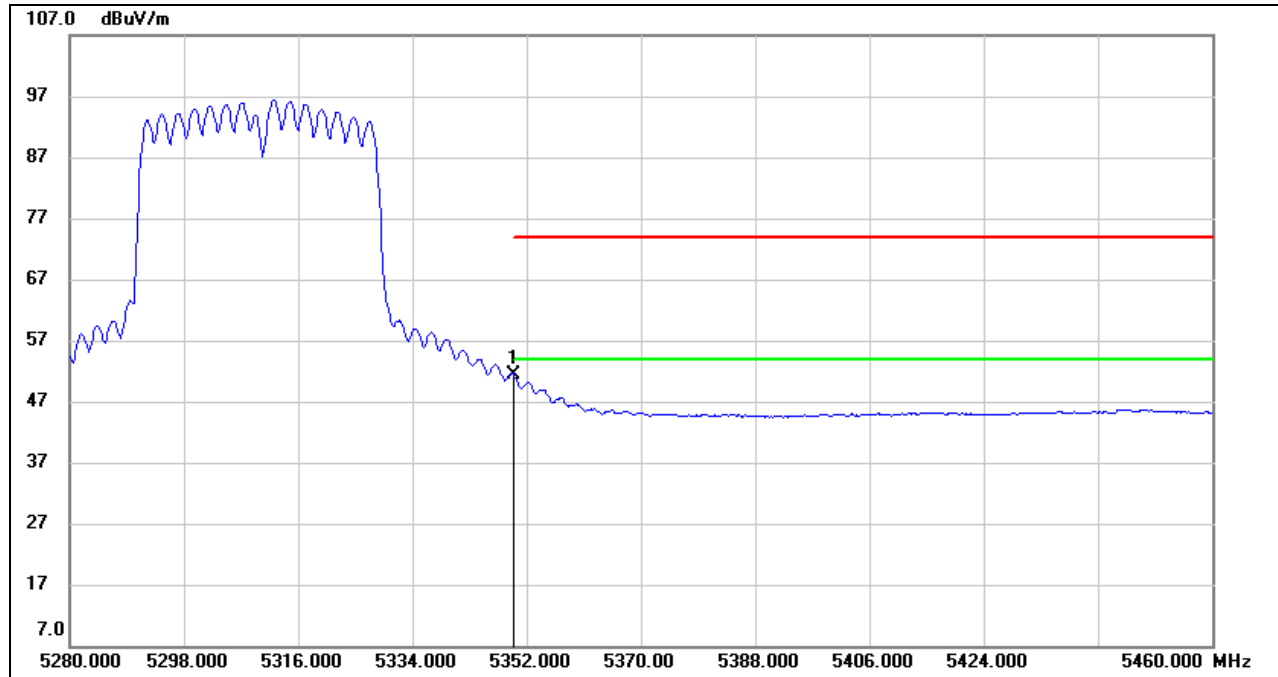
**PEAK**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	28.52	41.20	69.72	74.00	-4.28	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**AVG**



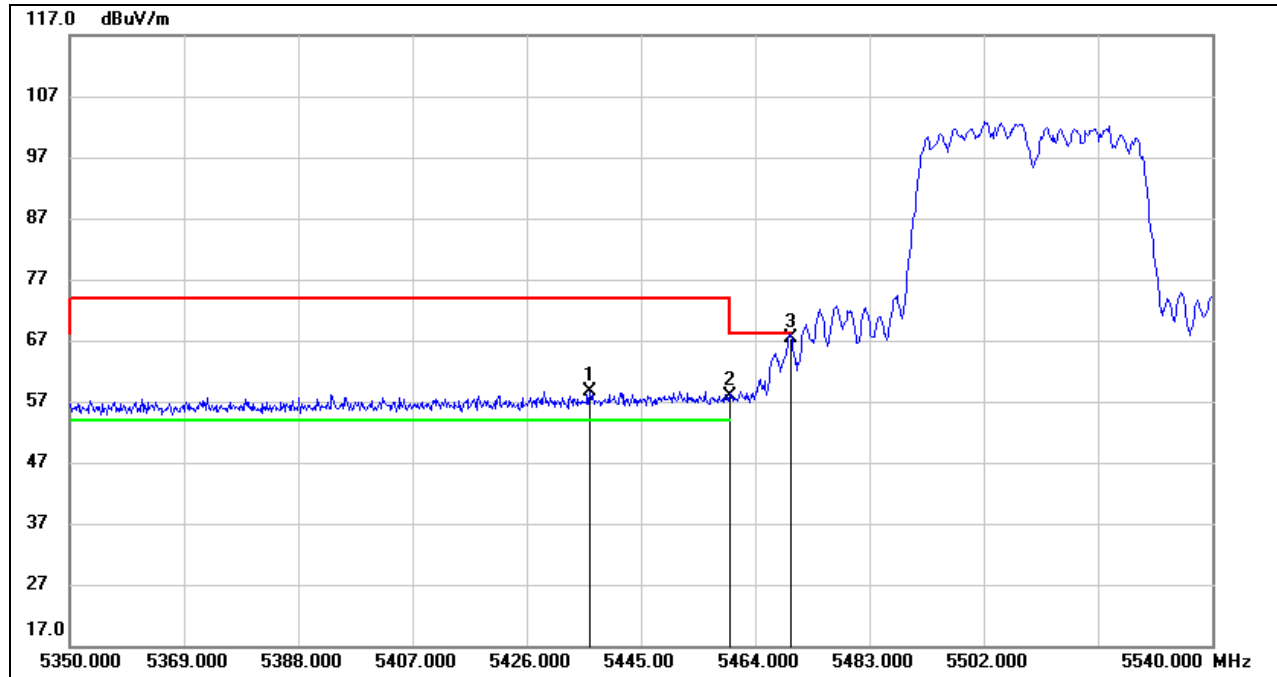
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	10.19	41.20	51.39	54.00	-2.61	AVG

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. AVG:  $VBW=1/T_{on}$ , where:  $T_{on}$  is the transmitting duration.
  4. For the transmitting duration, please refer to clause 7.1.
  5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**UNII-2C BAND**

**RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)**

**PEAK**

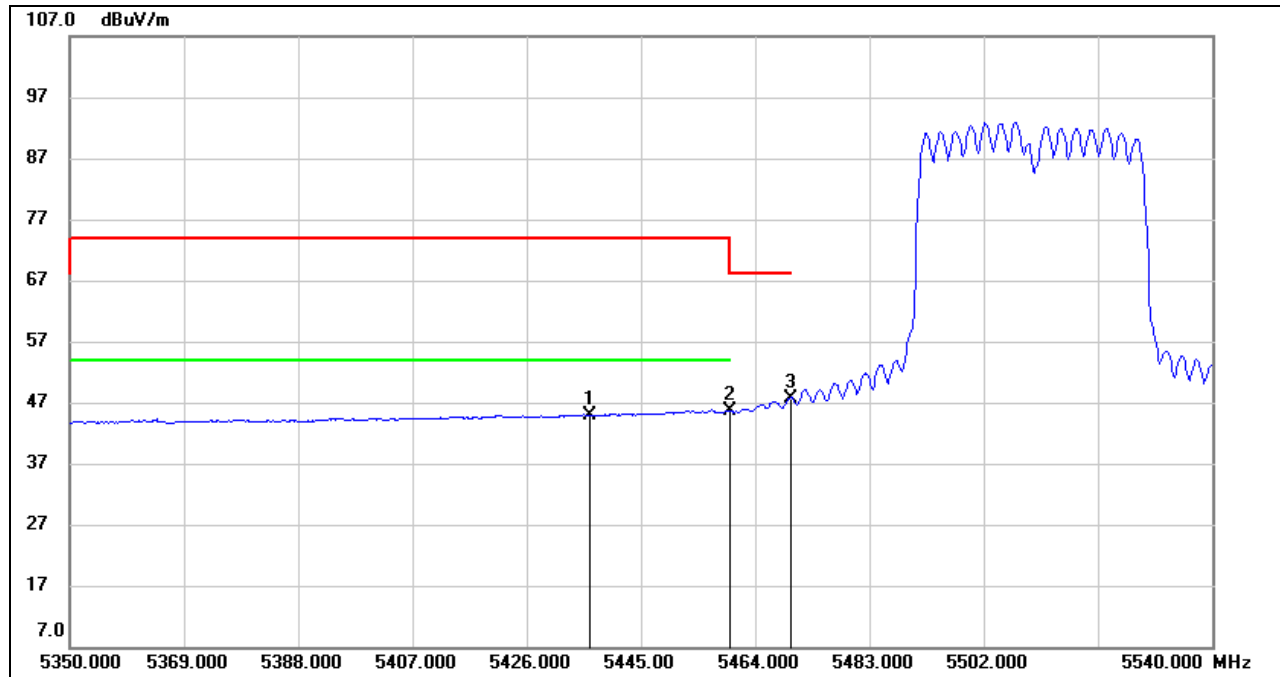


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5436.450	17.06	41.68	58.74	74.00	-15.26	peak
2	5460.000	16.04	41.82	57.86	68.20	-10.34	peak
3	5470.000	25.49	41.87	67.36	68.20	-0.84	peak

Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



**AVG**



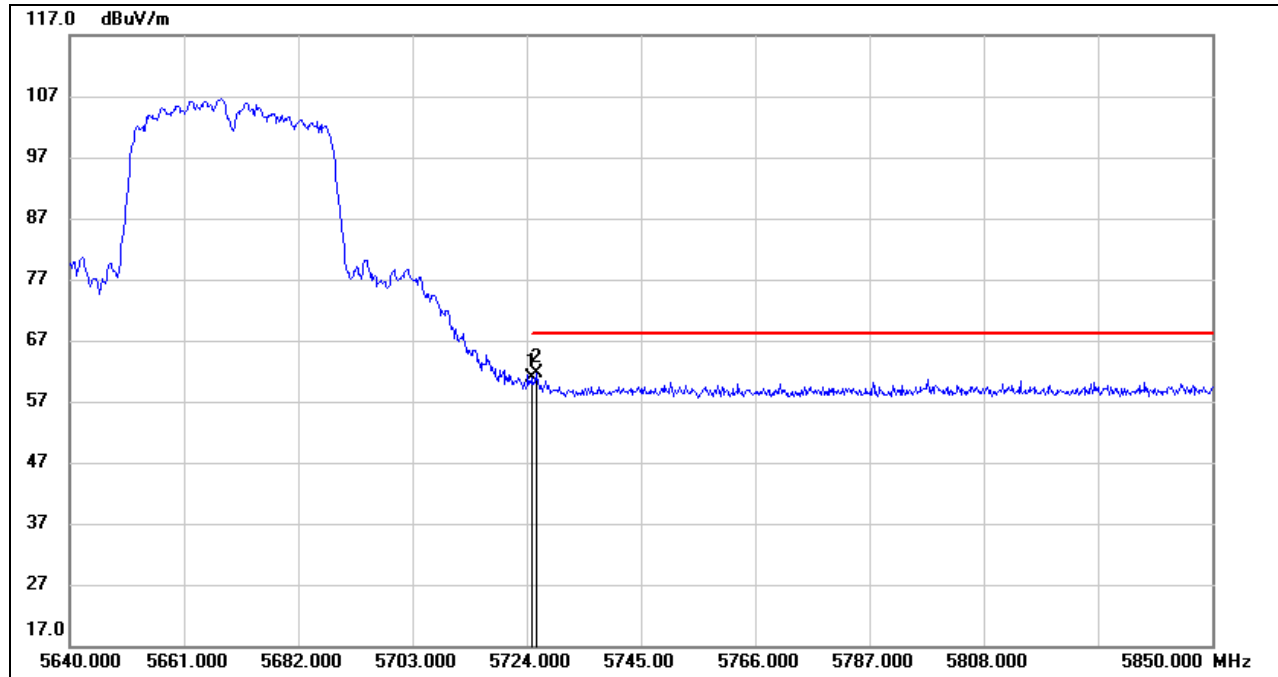
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5436.450	3.21	41.68	44.89	54.00	-9.11	AVG
2	5460.000	3.75	41.82	45.57	54.00	-8.43	AVG
3	5470.000	5.88	41.87	47.75	68.20	-20.45	AVG

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. AVG:  $VBW=1/T_{on}$ , where:  $T_{on}$  is the transmitting duration.
  4. For the transmitting duration, please refer to clause 7.1.
  5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



**RESTRICTED BANDEGE (HIGH CHANNEL, VERTICAL)**

**PEAK**



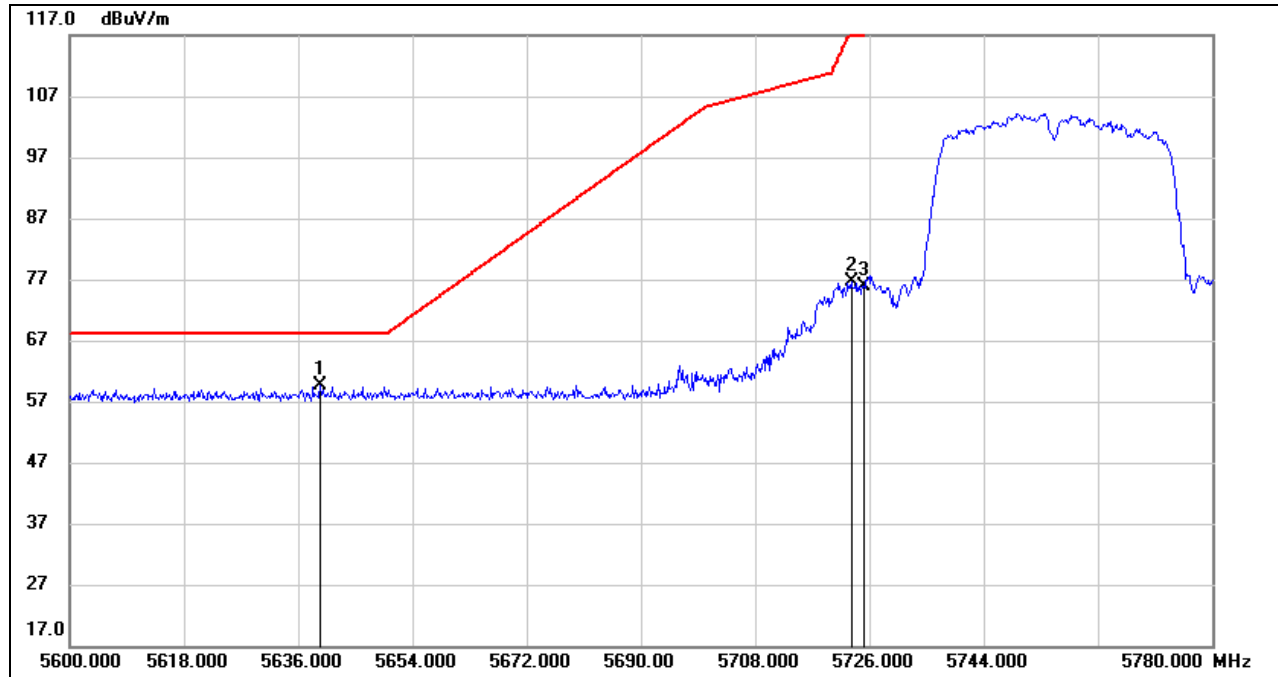
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	19.10	41.67	60.77	68.20	-7.43	peak
2	5725.680	20.00	41.67	61.67	68.20	-6.53	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**UNII-3 BAND**

**RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)**

**PEAK**

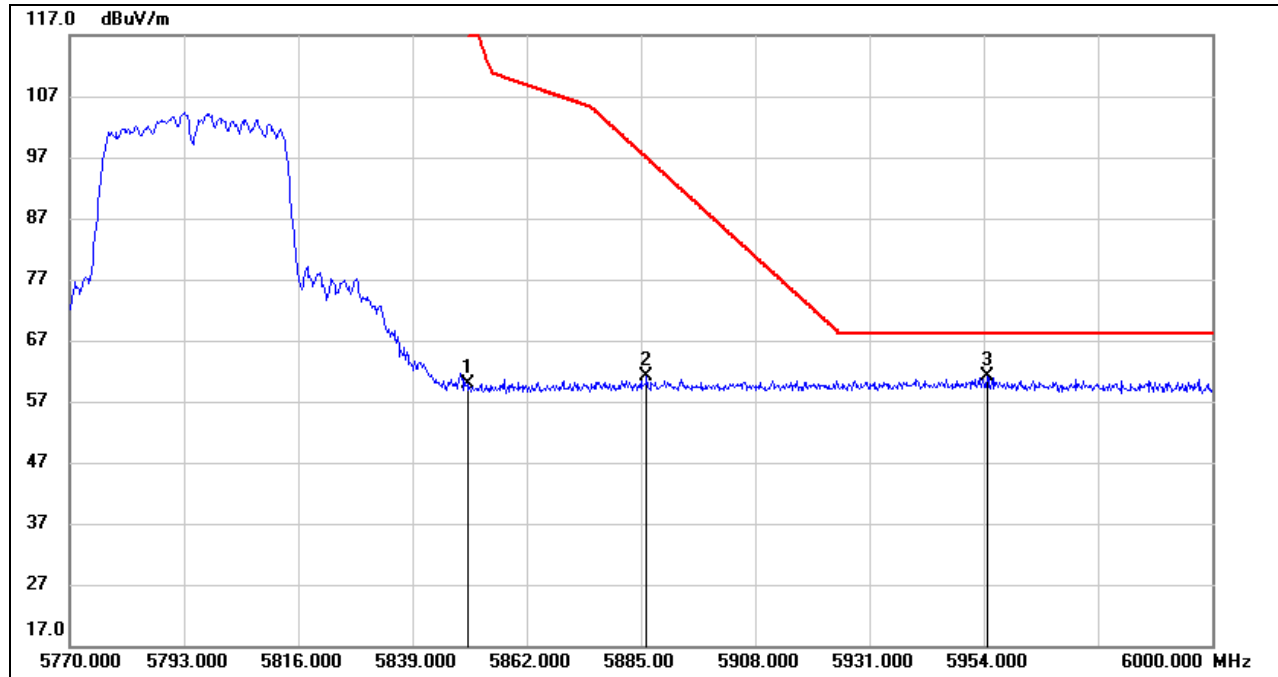


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5639.420	17.91	41.66	59.57	68.20	-8.63	peak
2	5723.120	34.95	41.66	76.61	117.91	-41.30	peak
3	5725.000	34.25	41.67	75.92	122.20	-46.28	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)**

**PEAK**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	17.35	42.52	59.87	122.20	-62.33	peak
2	5886.150	18.15	42.89	61.04	96.92	-35.88	peak
3	5954.690	18.36	42.78	61.14	68.20	-7.06	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

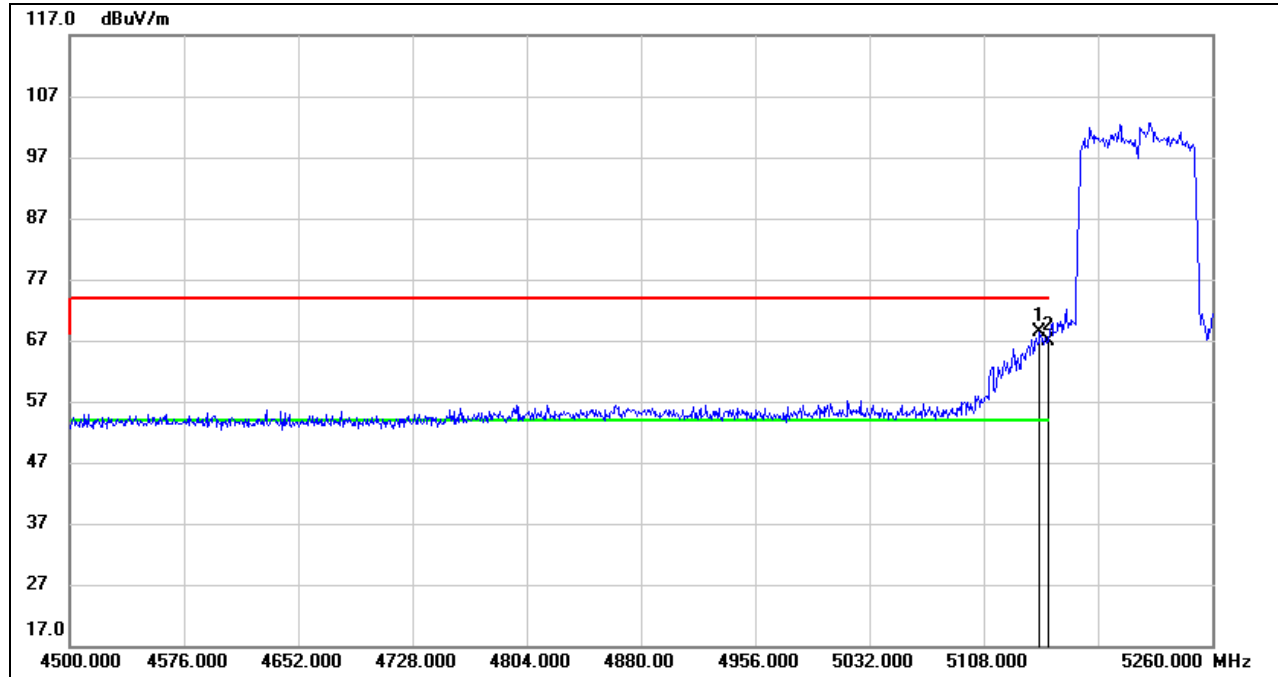
Note: Horizontal and Vertical have been tested, only the worst data was recorded in the report.

8.1.8. 802.11ac VHT80 MIMO MODE

UNII-1 BAND

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

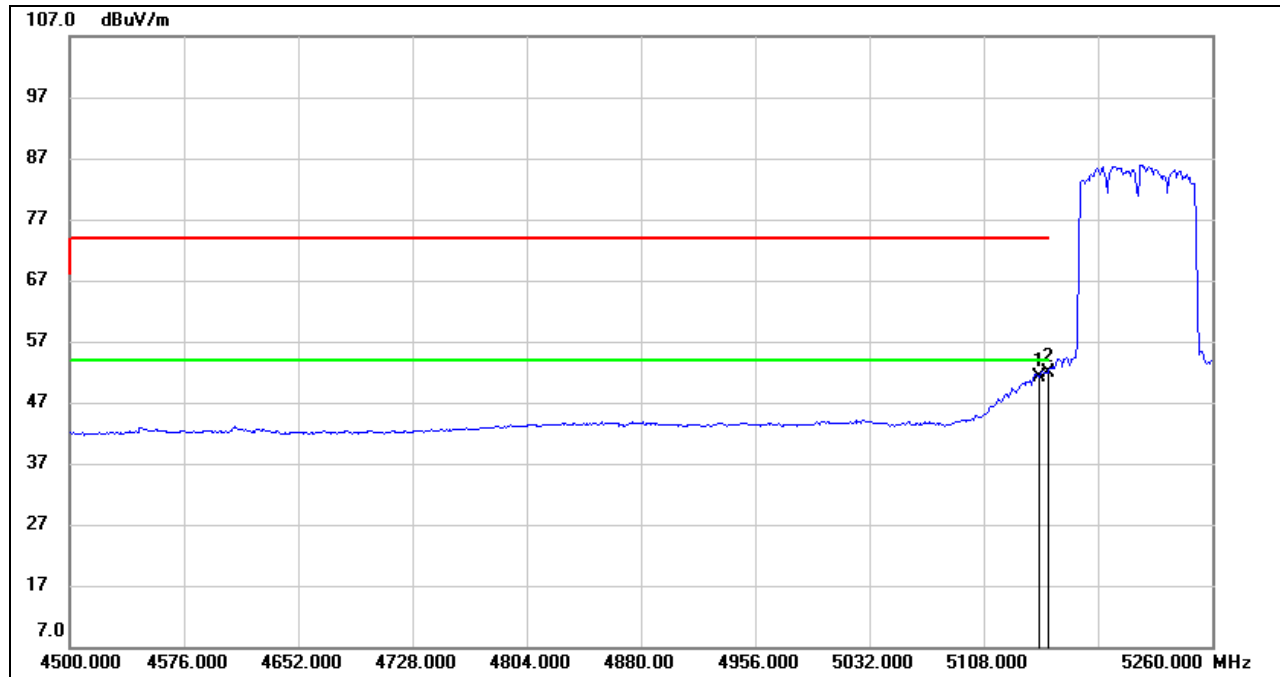
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5145.240	27.22	41.14	68.36	74.00	-5.64	peak
2	5150.000	25.70	41.19	66.89	74.00	-7.11	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**AVG**



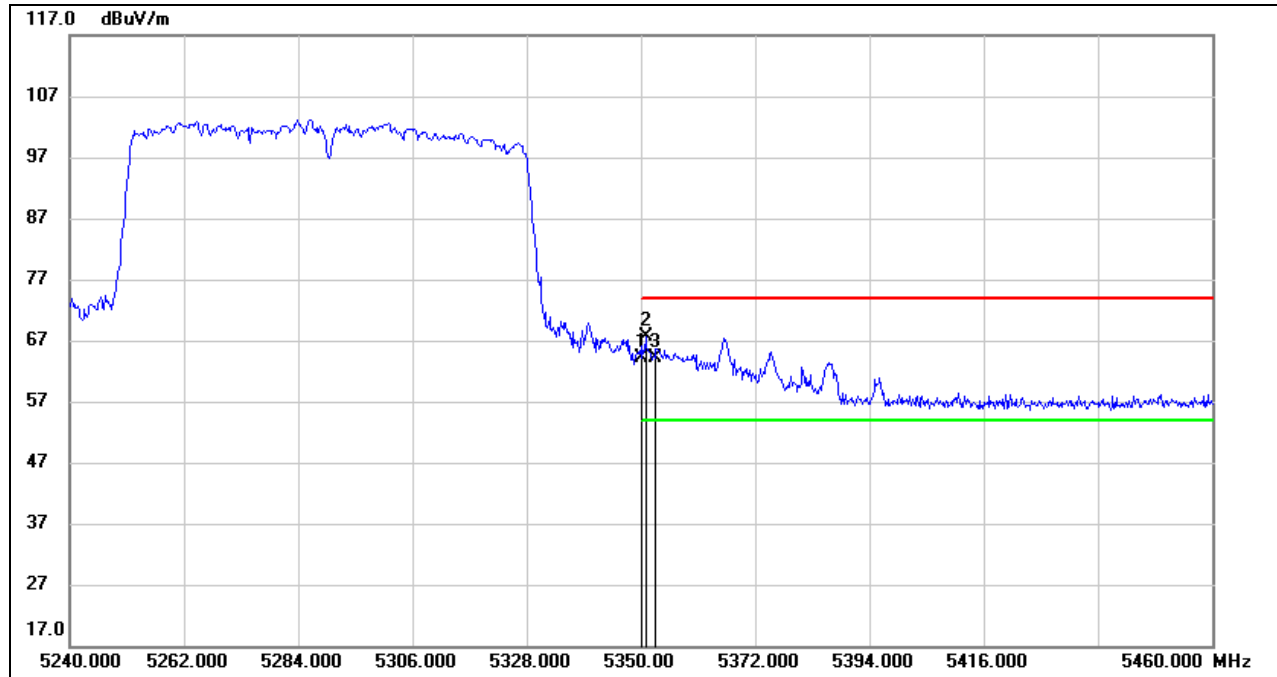
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5145.240	9.99	41.14	51.13	54.00	-2.87	AVG
2	5150.000	10.65	41.19	51.84	54.00	-2.16	AVG

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. AVG:  $VBW=1/T_{on}$ , where:  $T_{on}$  is the transmitting duration.
  4. For the transmitting duration, please refer to clause 7.1.
  5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**UNII-2A BAND**

**RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)**

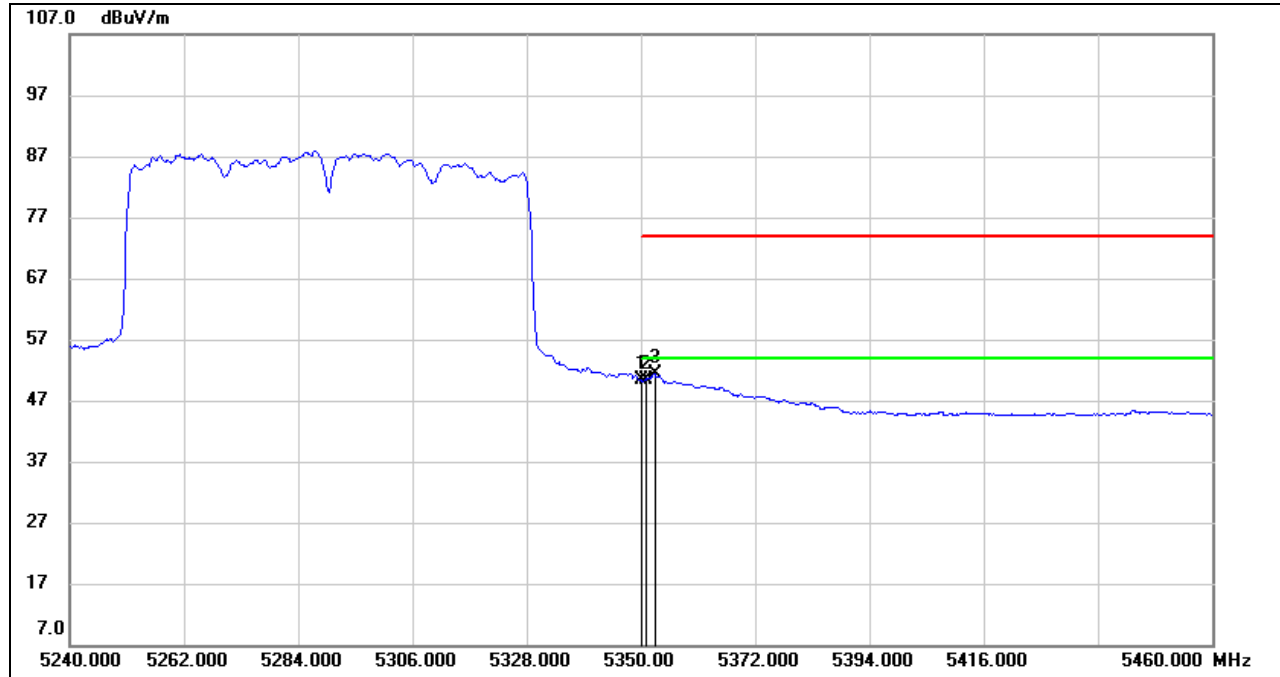
**PEAK**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	22.99	41.20	64.19	74.00	-9.81	peak
2	5350.880	26.47	41.21	67.68	74.00	-6.32	peak
3	5352.640	23.00	41.22	64.22	74.00	-9.78	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**AVG**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	9.22	41.20	50.42	54.00	-3.58	AVG
2	5350.880	9.26	41.21	50.47	54.00	-3.53	AVG
3	5352.640	10.11	41.22	51.33	54.00	-2.67	AVG

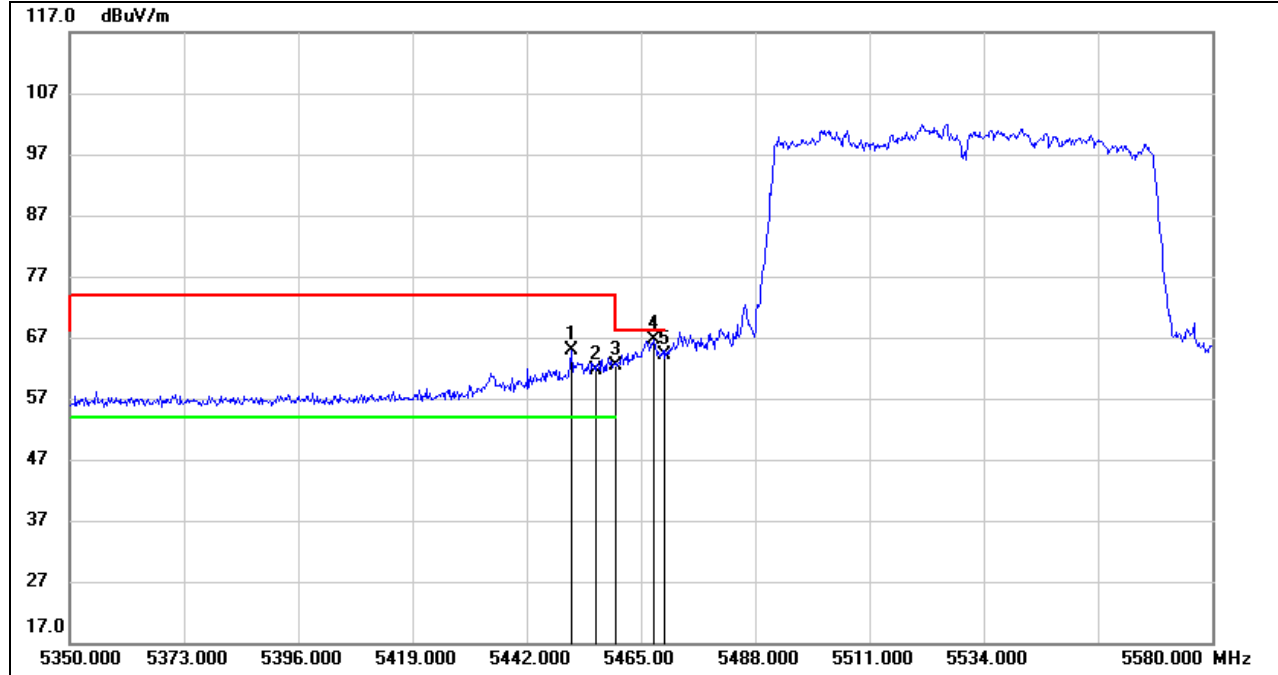
- Note:
1. Measurement = Reading Level + Correct Factor
  2. AVG:  $VBW=1/Ton$  where: ton is transmit duration.
  3. For duty cycle, please refer to clause 7.1.
  4. Only the worst case emission will be recorder, if it complies with the limit, the other emissions deemed to comply with the limit.



**UNII-2C BAND**

**RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)**

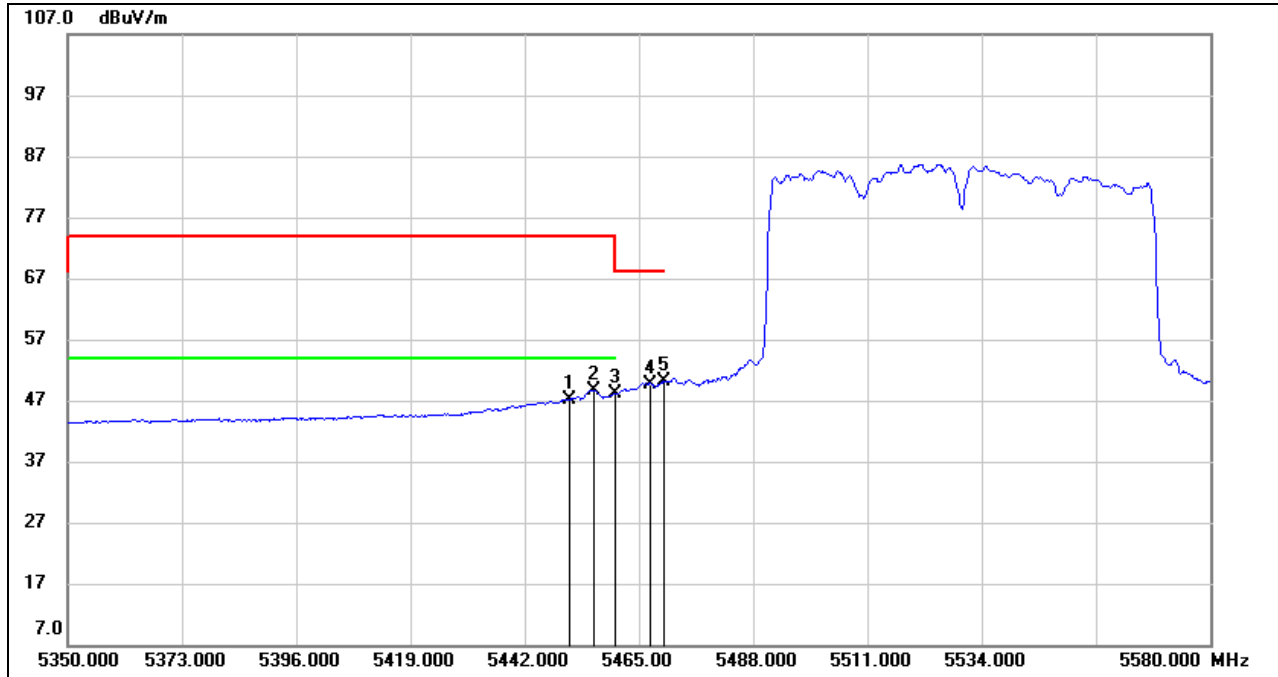
**PEAK**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5450.970	23.22	41.77	64.99	74.00	-9.01	peak
2	5455.800	19.78	41.80	61.58	74.00	-12.42	peak
3	5460.000	20.56	41.82	62.38	68.20	-5.82	peak
4	5467.530	24.83	41.86	66.69	68.20	-1.51	peak
5	5470.000	22.15	41.87	64.02	68.20	-4.18	peak

Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**AVG**

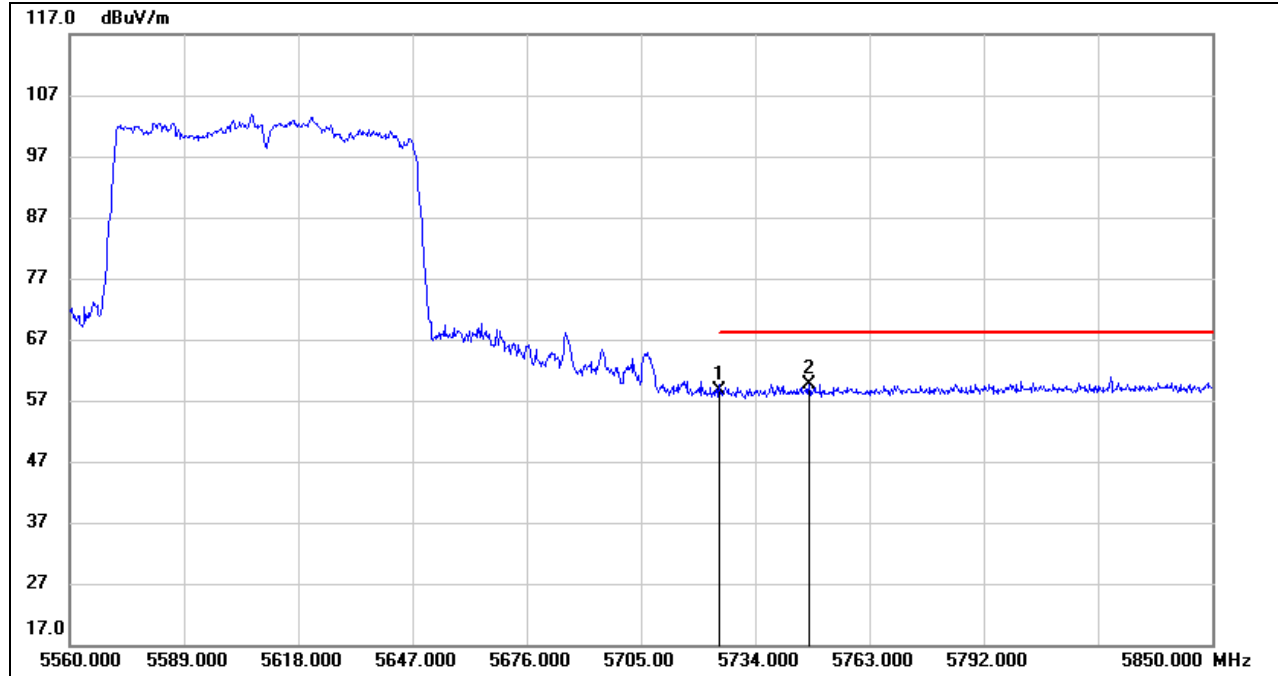


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5450.970	5.46	41.77	47.23	54.00	-6.77	AVG
2	5455.800	6.90	41.80	48.70	54.00	-5.30	AVG
3	5460.000	6.39	41.82	48.21	54.00	-5.79	AVG
4	5467.530	7.81	41.86	49.67	68.20	-18.53	AVG
5	5470.000	8.18	41.87	50.05	68.20	-18.15	AVG

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 4. For the transmitting duration, please refer to clause 7.1.  
 5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)**

**PEAK**

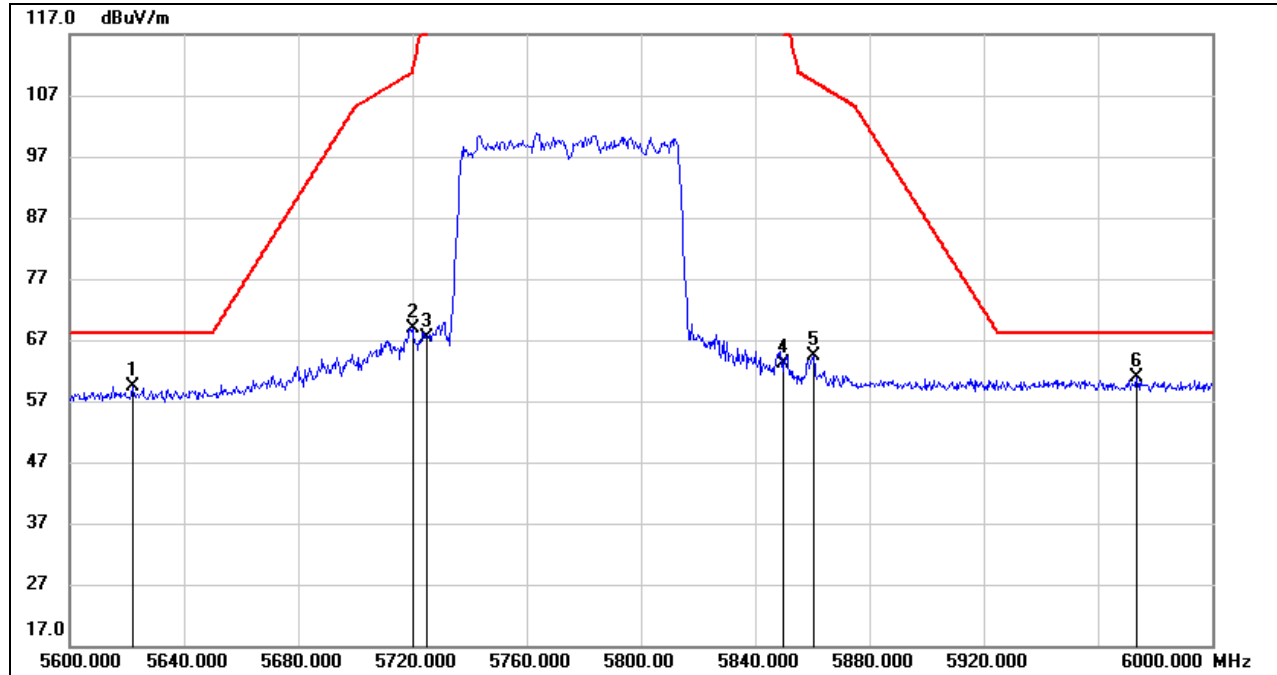


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	17.00	41.67	58.67	68.20	-9.53	peak
2	5747.630	17.91	41.78	59.69	68.20	-8.51	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**UNII-3 BAND**

**RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5622.000	17.66	41.69	59.35	68.20	-8.85	peak
2	5720.000	27.17	41.64	68.81	110.80	-41.99	peak
3	5725.000	25.74	41.67	67.41	122.20	-54.79	peak
4	5850.000	20.59	42.52	63.11	122.20	-59.09	peak
5	5860.400	21.82	42.63	64.45	109.29	-44.84	peak
6	5973.600	18.20	42.69	60.89	68.20	-7.31	peak

Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Note: Horizontal and Vertical have been tested, only the worst data was recorded in the report.

## 8.2. SPURIOUS EMISSIONS (1 GHz ~ 7 GHz)

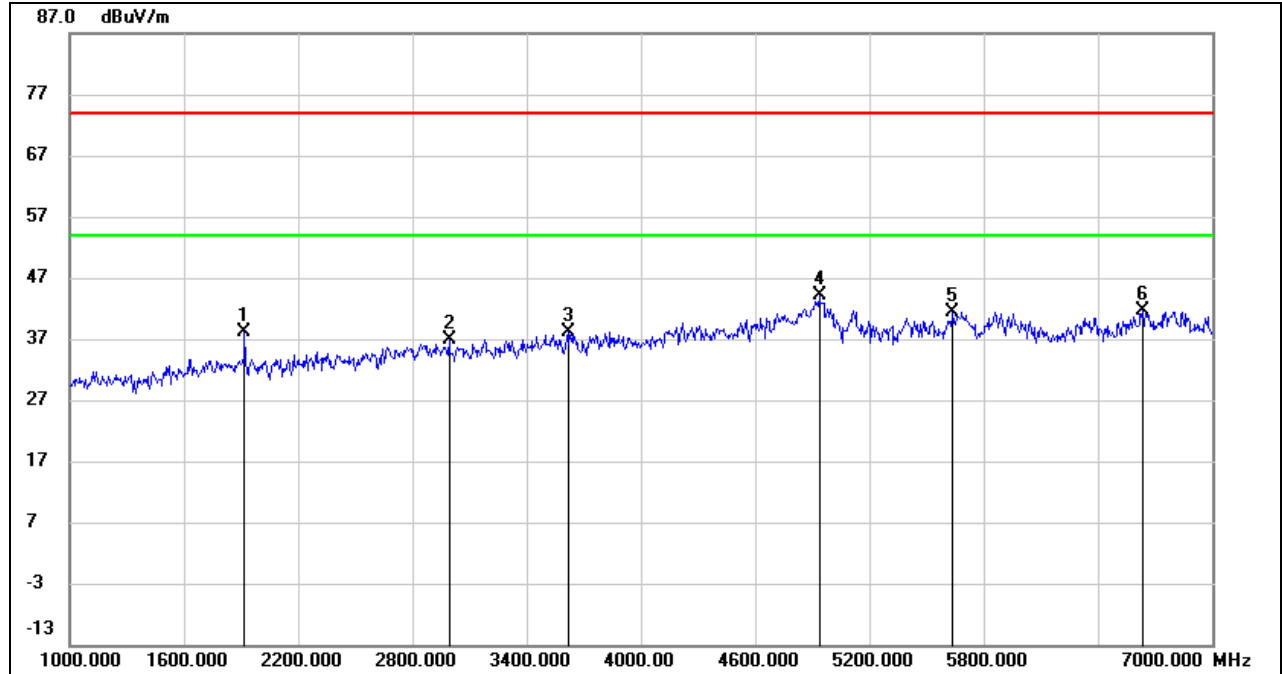
### KTC ANTENNA:

#### 8.2.1. 802.11a20 SISO MODE

#### ANTENNA 1 TEST RESULTS (WORST CASE)

### UNII-1 BAND

#### HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	48.36	-10.13	38.23	74.00	-35.77	peak
2	2992.000	42.54	-5.63	36.91	74.00	-37.09	peak
3	3616.000	42.24	-4.12	38.12	74.00	-35.88	peak
4	4936.000	43.26	0.80	44.06	74.00	-29.94	peak
5	5638.000	38.91	2.47	41.38	74.00	-32.62	peak
6	6634.000	36.19	5.51	41.70	74.00	-32.30	peak

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.

5. For the transmitting duration, please refer to clause 7.1.

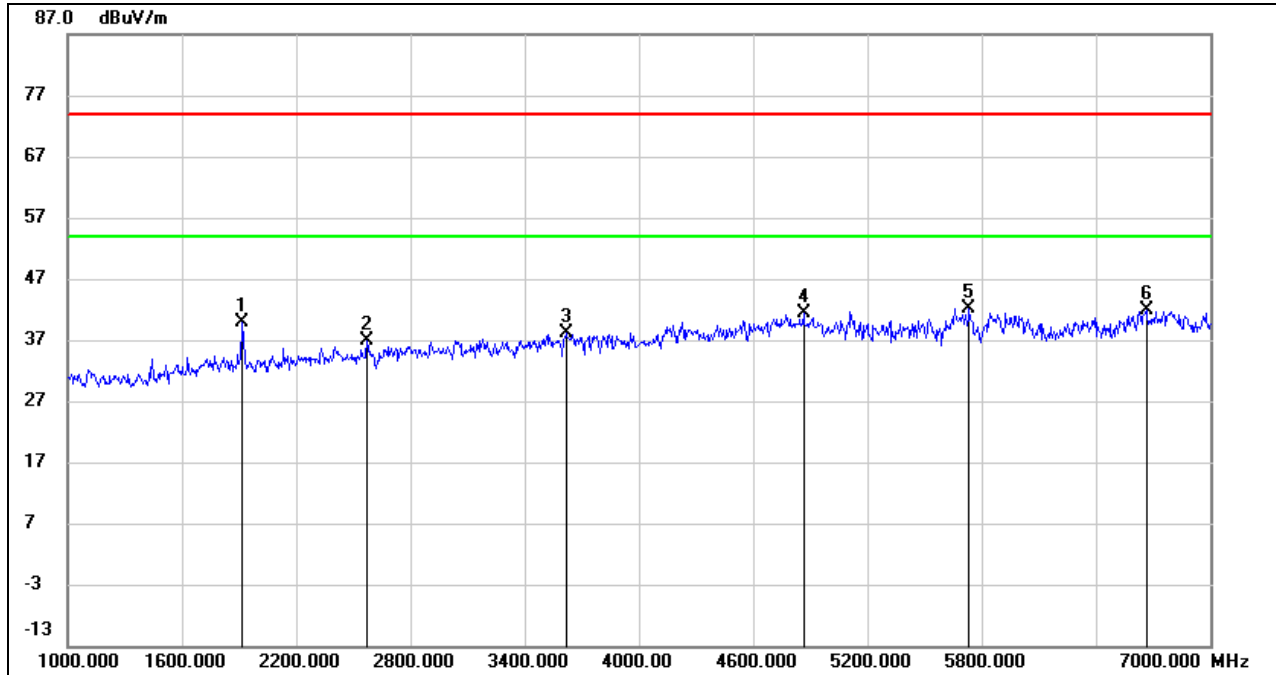
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



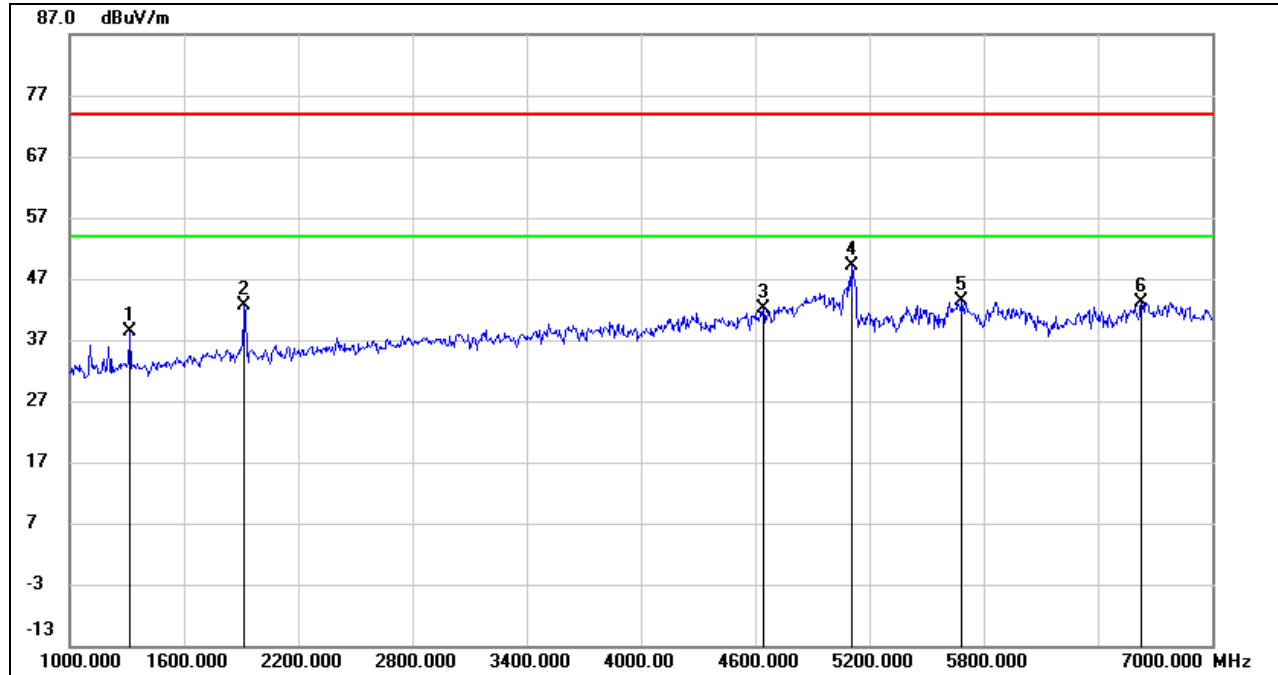
**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	50.02	-10.13	39.89	74.00	-34.11	peak
2	2572.000	44.73	-7.96	36.77	74.00	-37.23	peak
3	3616.000	42.27	-4.12	38.15	74.00	-35.85	peak
4	4864.000	40.64	0.69	41.33	74.00	-32.67	peak
5	5734.000	39.62	2.49	42.11	74.00	-31.89	peak
6	6664.000	36.34	5.53	41.87	74.00	-32.13	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)**

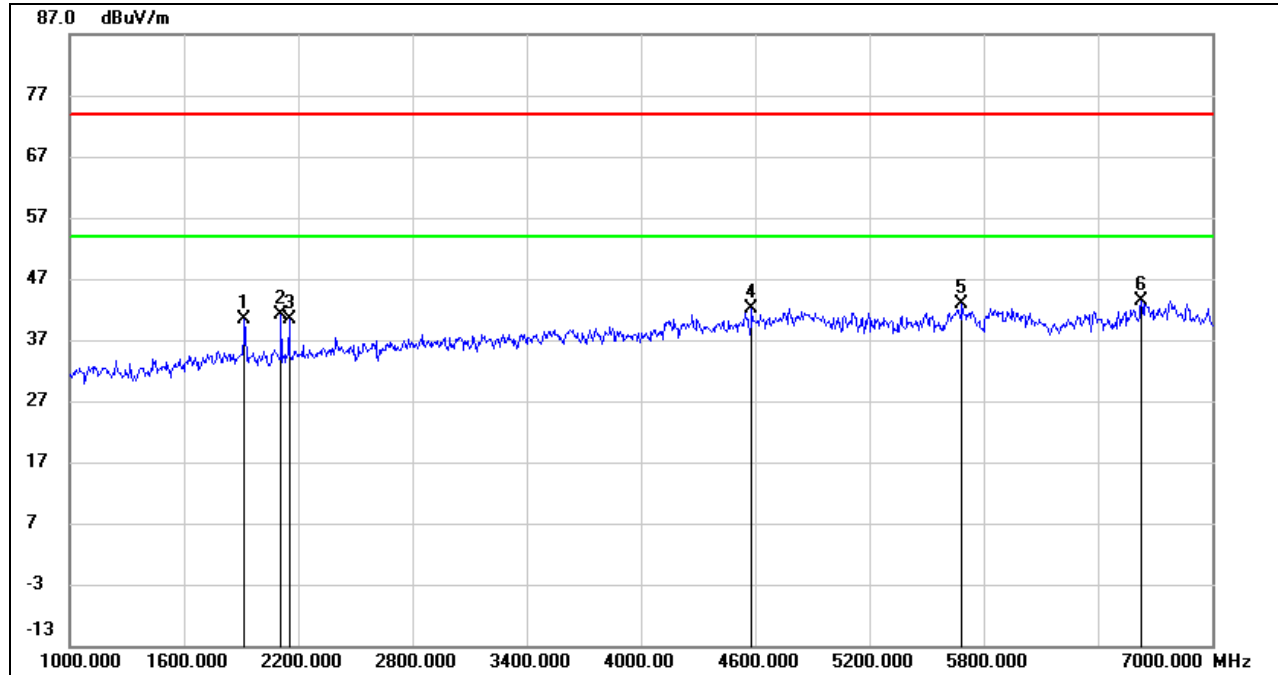


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1318.000	51.32	-12.83	38.49	74.00	-35.51	peak
2	1918.000	52.86	-10.13	42.73	74.00	-31.27	peak
3	4642.000	42.44	-0.33	42.11	74.00	-31.89	peak
4	5110.000	47.47	1.55	49.02	74.00	-24.98	peak
5	5686.000	40.92	2.47	43.39	74.00	-30.61	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)**

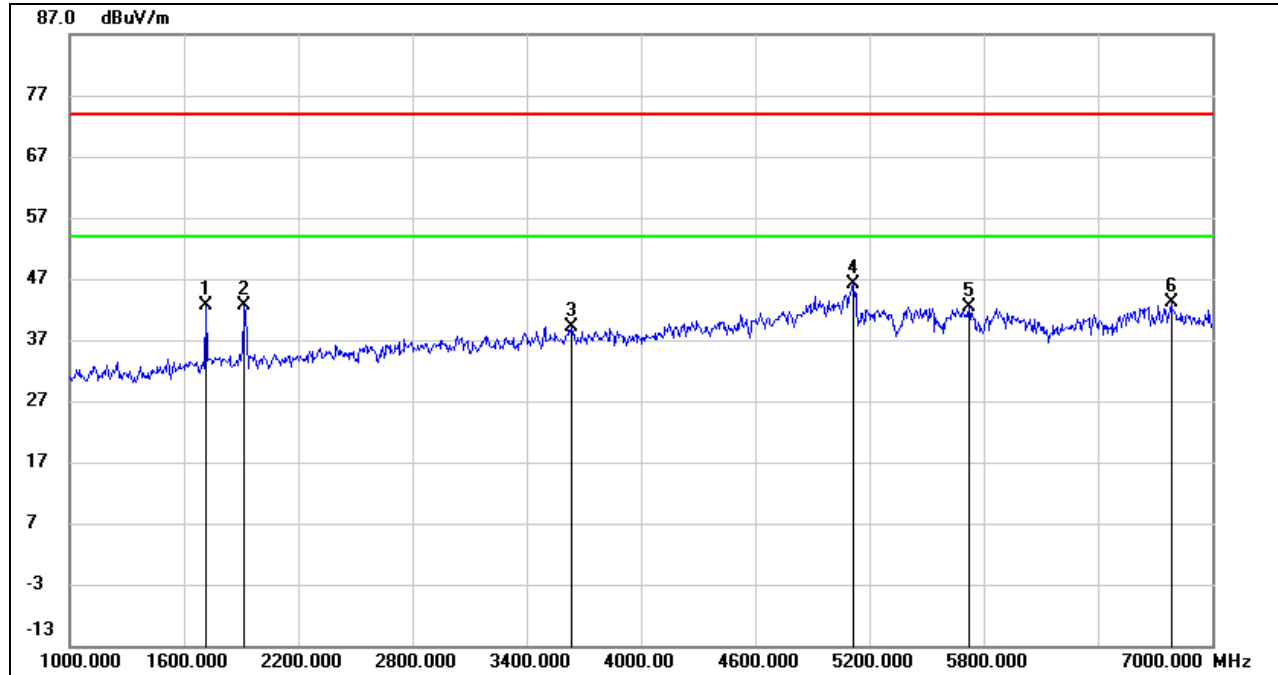


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	50.49	-10.13	40.36	74.00	-33.64	peak
2	2110.000	50.57	-9.56	41.01	74.00	-32.99	peak
3	2152.000	49.75	-9.32	40.43	74.00	-33.57	peak
4	4582.000	42.87	-0.69	42.18	74.00	-31.82	peak
5	5686.000	40.37	2.47	42.84	74.00	-31.16	peak
6	6628.000	37.76	5.50	43.26	74.00	-30.74	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



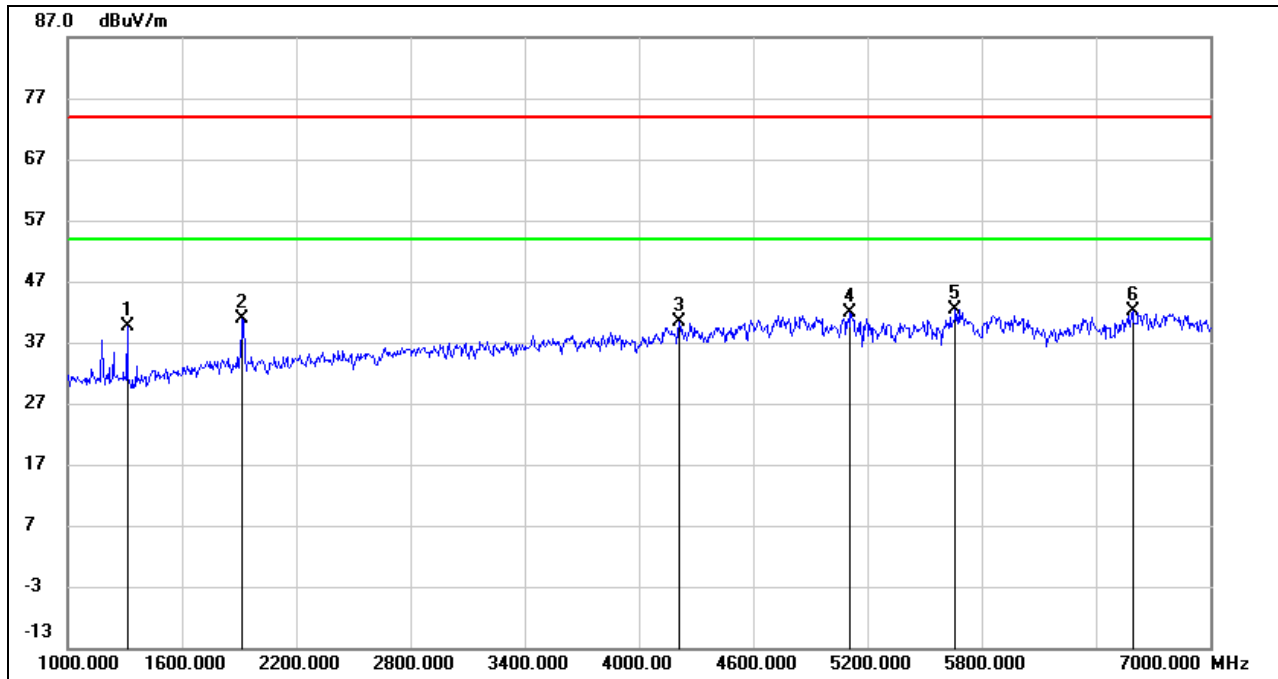
**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1714.000	53.40	-10.70	42.70	74.00	-31.30	peak
2	1918.000	52.67	-10.13	42.54	74.00	-31.46	peak
3	3634.000	43.16	-4.03	39.13	74.00	-34.87	peak
4	5116.000	44.50	1.60	46.10	74.00	-27.90	peak
5	5722.000	39.93	2.49	42.42	74.00	-31.58	peak
6	6784.000	37.49	5.56	43.05	74.00	-30.95	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)**

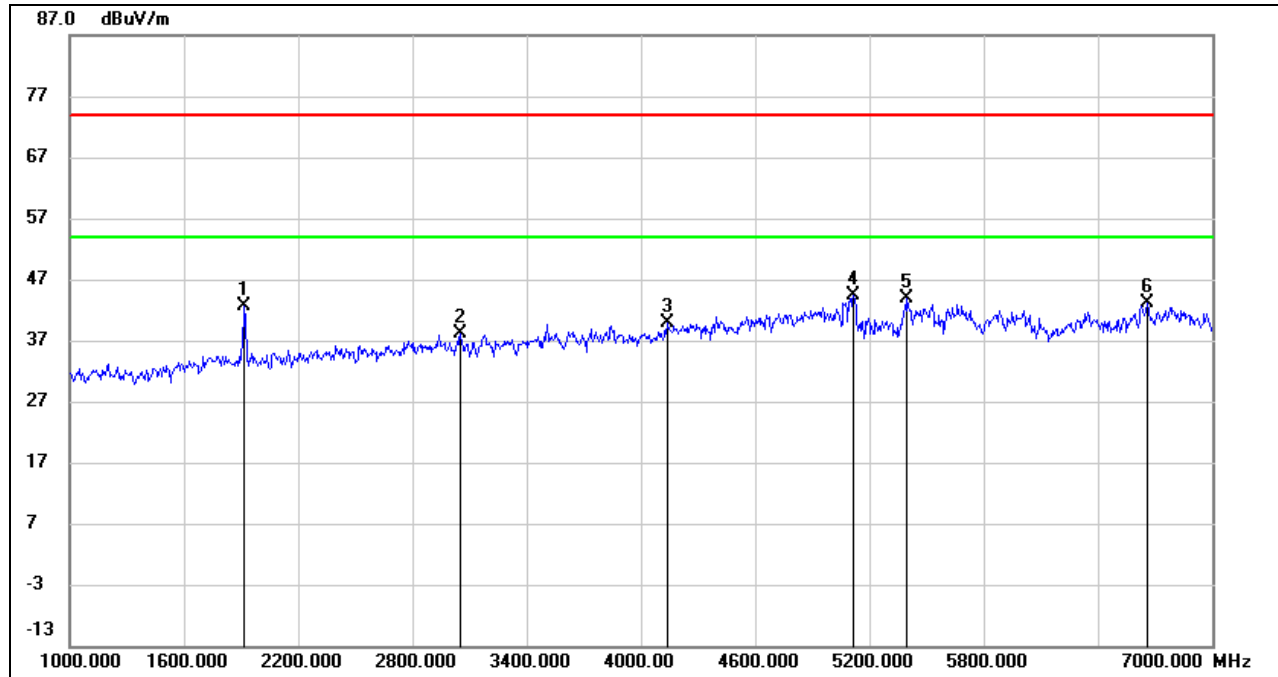


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1312.000	52.44	-12.84	39.60	74.00	-34.40	peak
2	1918.000	50.94	-10.13	40.81	74.00	-33.19	peak
3	4210.000	42.15	-1.67	40.48	74.00	-33.52	peak
4	5110.000	40.23	1.55	41.78	74.00	-32.22	peak
5	5662.000	39.97	2.47	42.44	74.00	-31.56	peak
6	6592.000	36.61	5.45	42.06	74.00	-31.94	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/T_{on}$ , where:  $T_{on}$  is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**UNII-2A BAND**

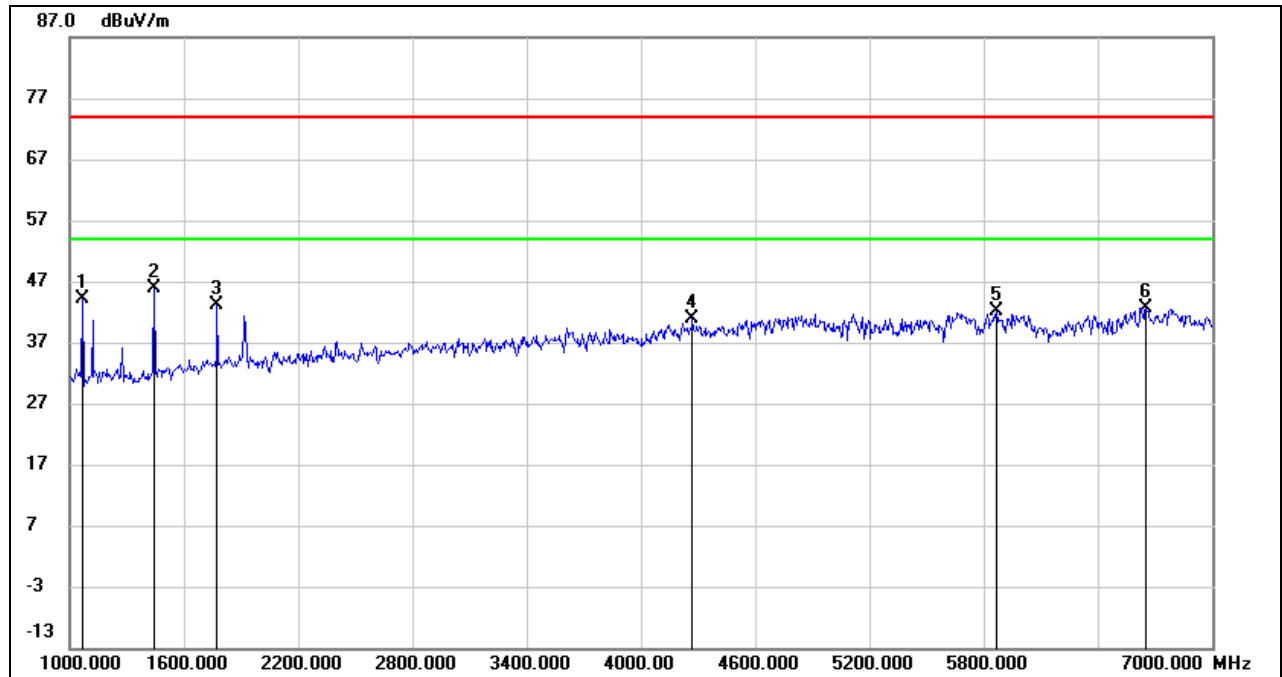
**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	52.72	-10.13	42.59	74.00	-31.41	peak
2	3052.000	43.59	-5.50	38.09	74.00	-35.91	peak
3	4138.000	42.21	-2.27	39.94	74.00	-34.06	peak
4	5116.000	42.87	1.60	44.47	74.00	-29.53	peak
5	5398.000	41.96	1.88	43.84	74.00	-30.16	peak
6	6658.000	37.50	5.51	43.01	74.00	-30.99	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

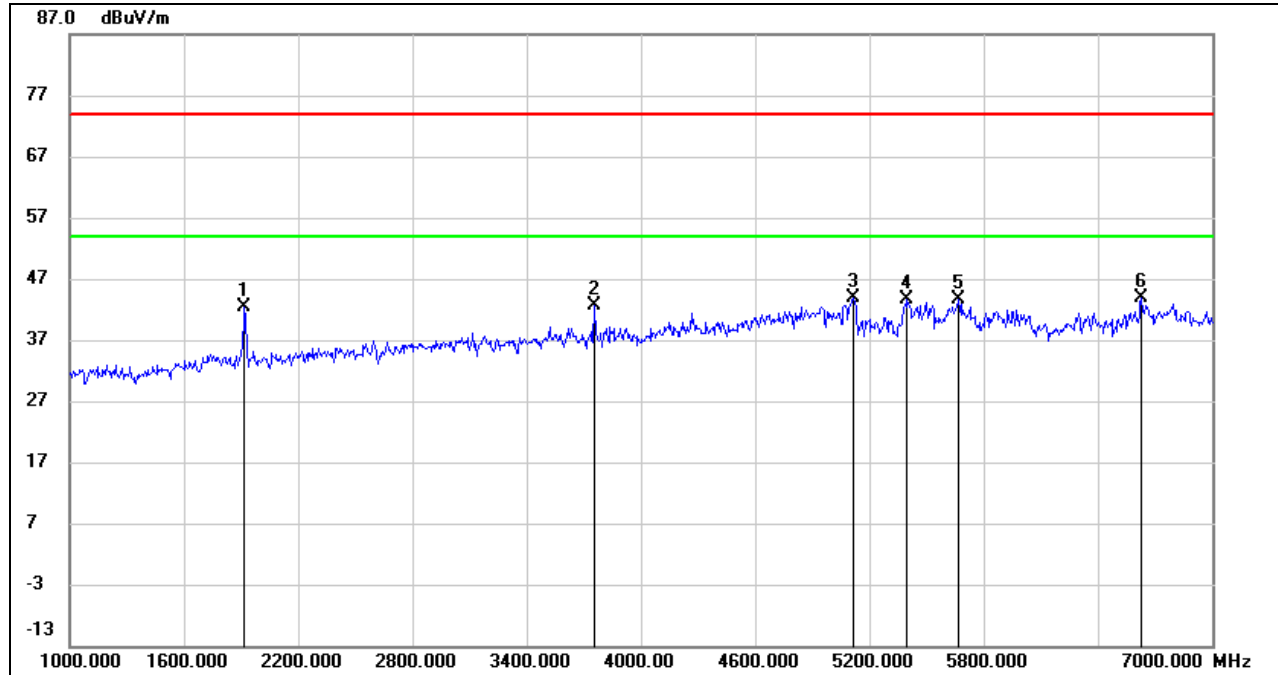
**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1066.000	57.69	-13.65	44.04	74.00	-29.96	peak
2	1444.000	58.29	-12.49	45.80	74.00	-28.20	peak
3	1774.000	53.44	-10.24	43.20	74.00	-30.80	peak
4	4270.000	42.50	-1.73	40.77	74.00	-33.23	peak
5	5866.000	39.39	2.77	42.16	74.00	-31.84	peak
6	6652.000	37.20	5.52	42.72	74.00	-31.28	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/T_{on}$ , where:  $T_{on}$  is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)**

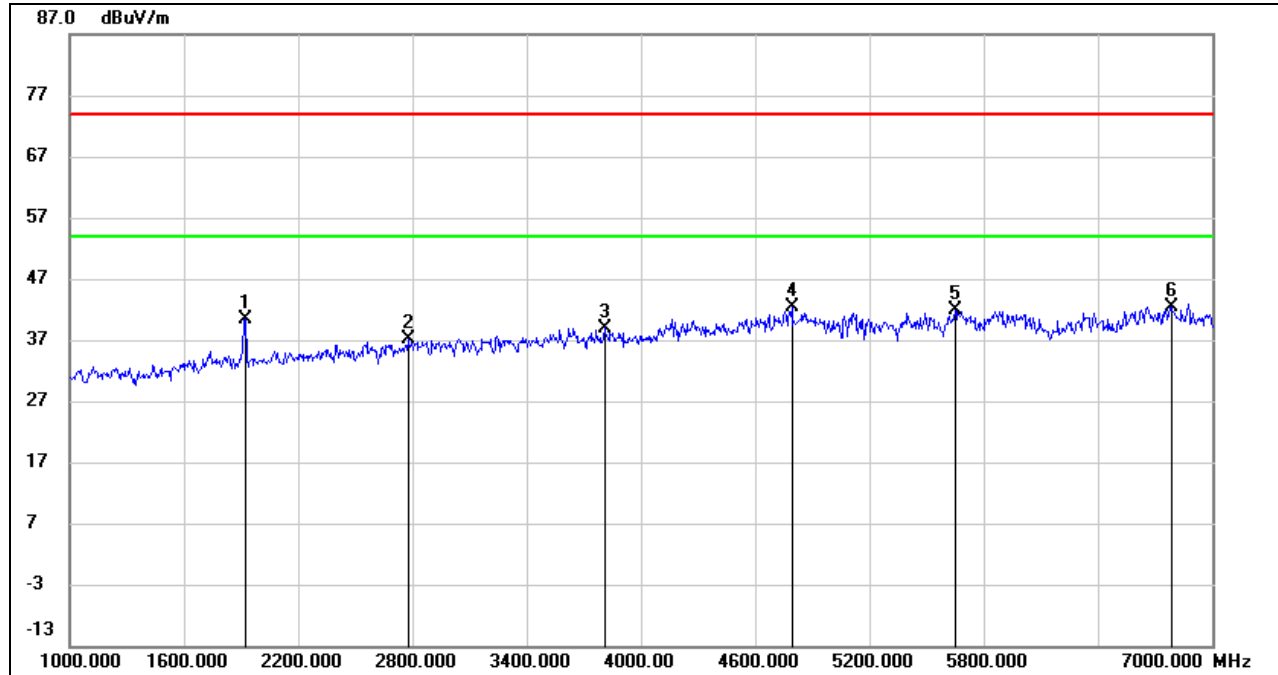


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	52.40	-10.13	42.27	74.00	-31.73	peak
2	3754.000	46.19	-3.47	42.72	74.00	-31.28	peak
3	5116.000	42.30	1.60	43.90	74.00	-30.10	peak
4	5398.000	41.85	1.88	43.73	74.00	-30.27	peak
5	5668.000	41.26	2.47	43.73	74.00	-30.27	peak
6	6628.000	38.31	5.50	43.81	74.00	-30.19	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



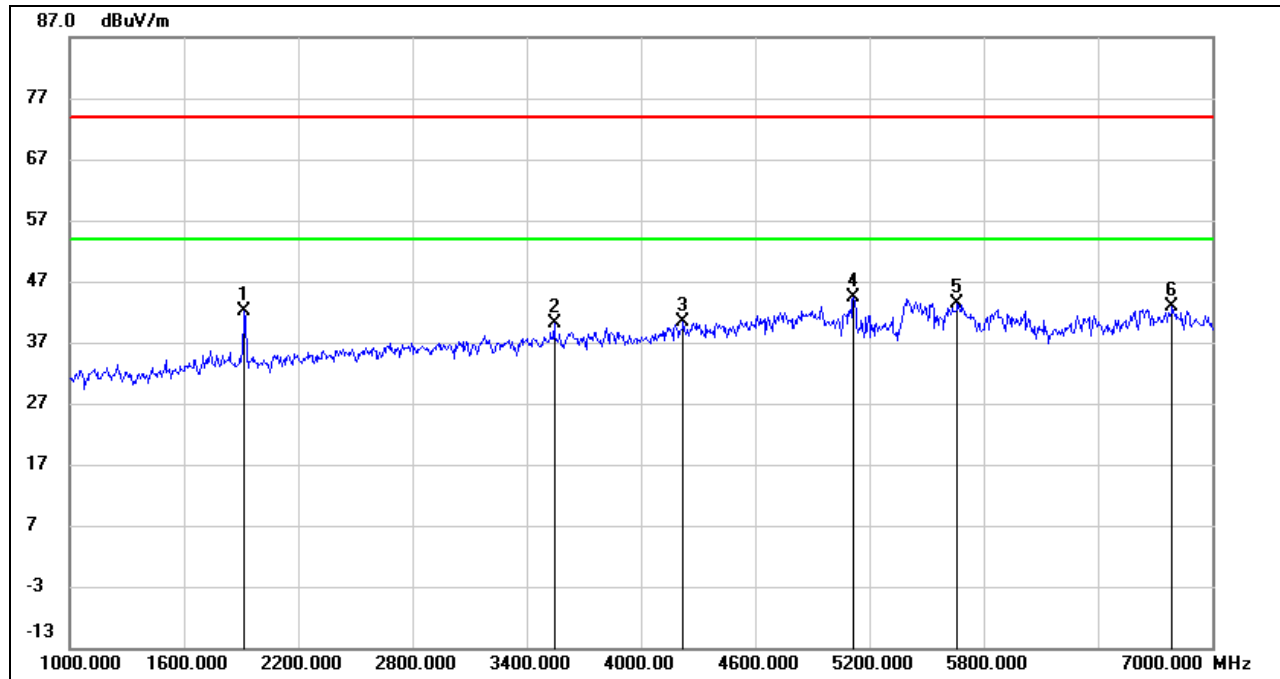
**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1924.000	50.62	-10.13	40.49	74.00	-33.51	peak
2	2776.000	43.89	-6.72	37.17	74.00	-36.83	peak
3	3808.000	42.27	-3.27	39.00	74.00	-35.00	peak
4	4792.000	41.74	0.54	42.28	74.00	-31.72	peak
5	5650.000	39.45	2.47	41.92	74.00	-32.08	peak
6	6784.000	36.85	5.56	42.41	74.00	-31.59	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

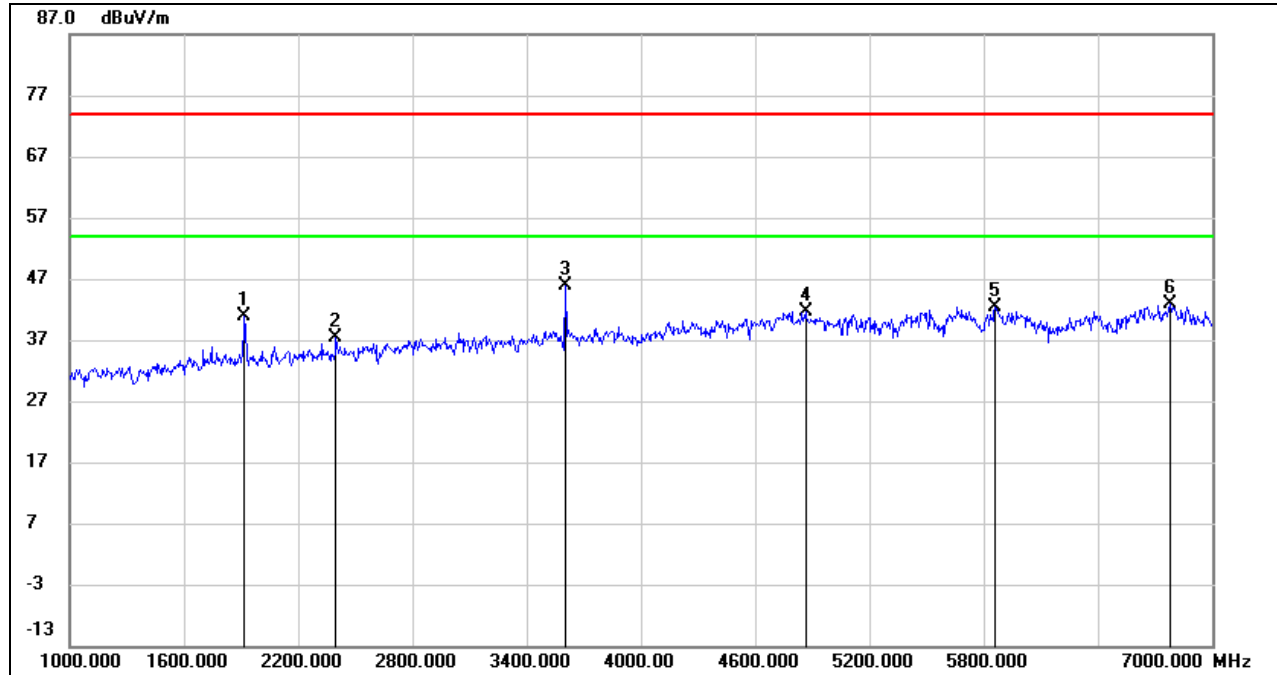
**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	52.23	-10.13	42.10	74.00	-31.90	peak
2	3544.000	44.64	-4.48	40.16	74.00	-33.84	peak
3	4222.000	42.02	-1.69	40.33	74.00	-33.67	peak
4	5116.000	42.72	1.60	44.32	74.00	-29.68	peak
5	5662.000	41.01	2.47	43.48	74.00	-30.52	peak
6	6790.000	37.34	5.57	42.91	74.00	-31.09	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)**



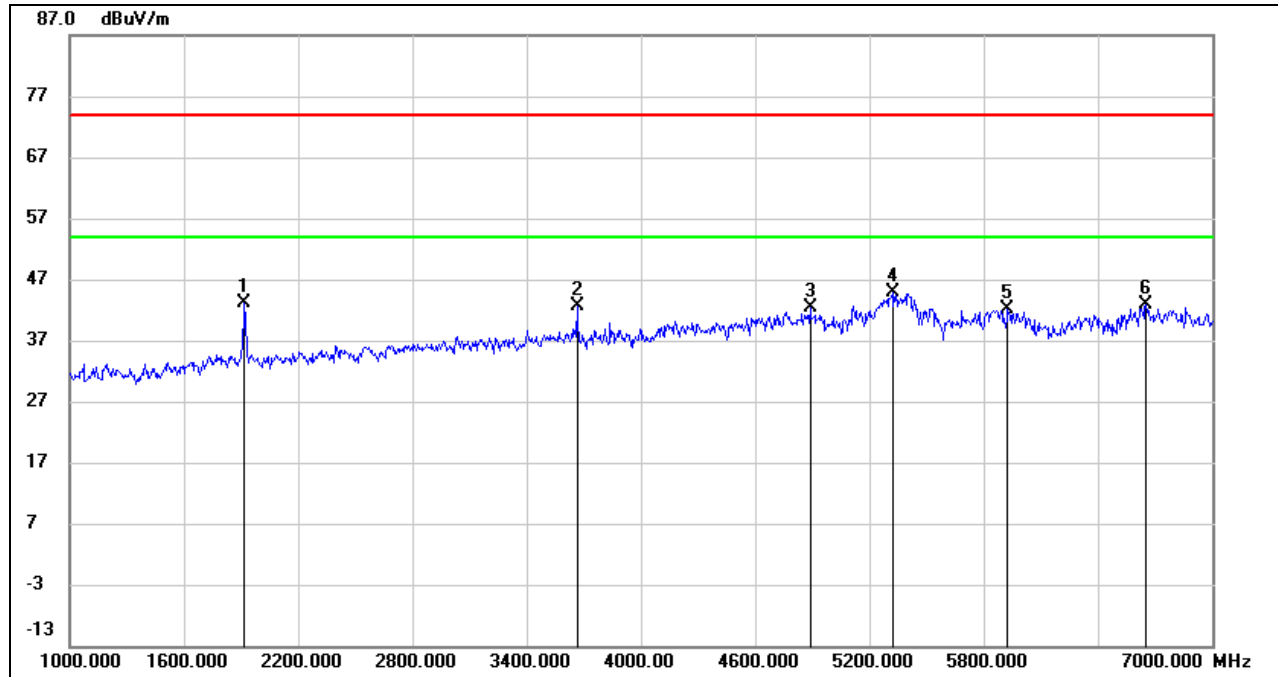
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	51.11	-10.13	40.98	74.00	-33.02	peak
2	2398.000	45.77	-8.40	37.37	74.00	-36.63	peak
3	3604.000	50.16	-4.17	45.99	74.00	-28.01	peak
4	4864.000	41.03	0.69	41.72	74.00	-32.28	peak
5	5860.000	39.62	2.75	42.37	74.00	-31.63	peak
6	6778.000	37.36	5.56	42.92	74.00	-31.08	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/T_{on}$ , where:  $T_{on}$  is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



**UNII-2C BAND**

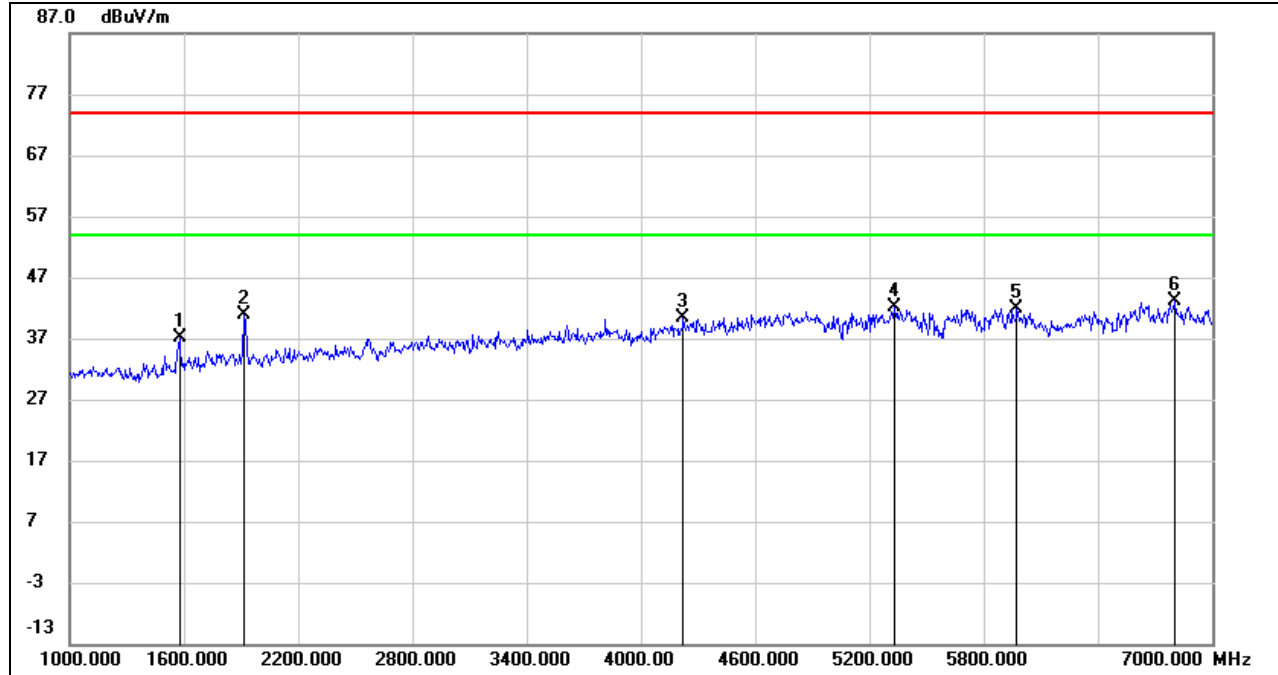
**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	53.22	-10.13	43.09	74.00	-30.91	peak
2	3664.000	46.60	-3.89	42.71	74.00	-31.29	peak
3	4888.000	41.64	0.72	42.36	74.00	-31.64	peak
4	5320.000	42.83	1.96	44.79	74.00	-29.21	peak
5	5926.000	39.14	3.01	42.15	74.00	-31.85	peak
6	6652.000	37.29	5.52	42.81	74.00	-31.19	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

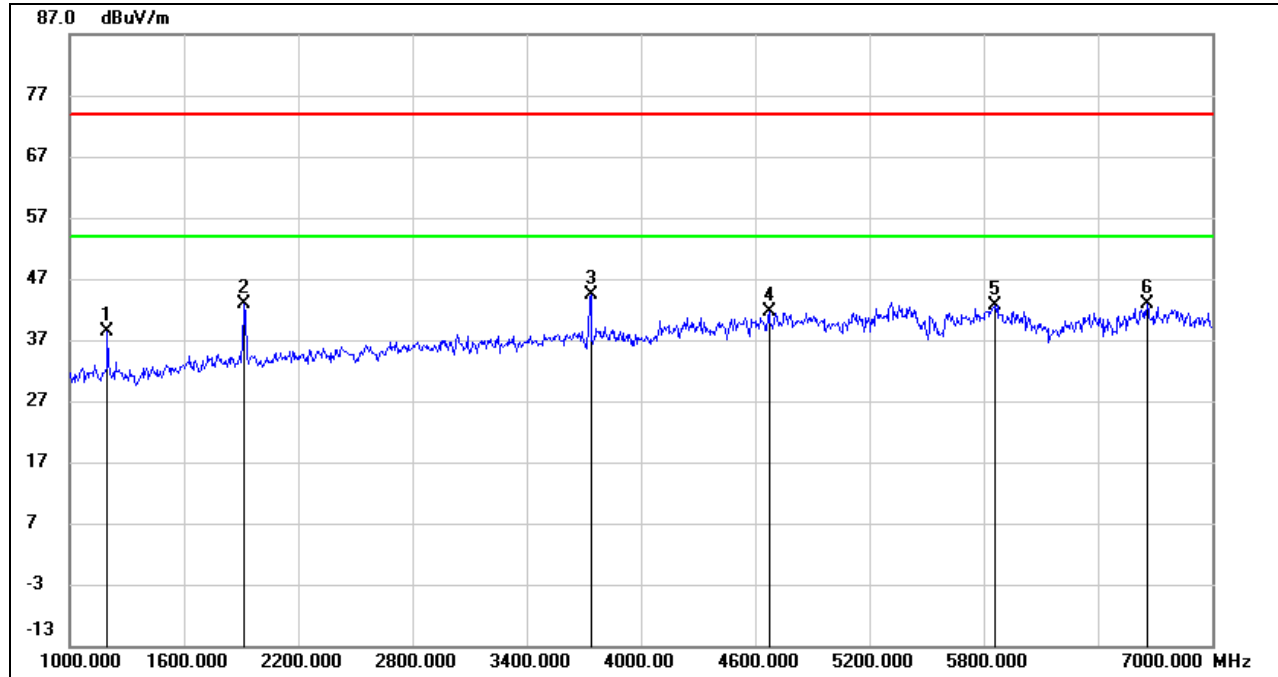
**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1576.000	48.97	-11.72	37.25	74.00	-36.75	peak
2	1918.000	50.96	-10.13	40.83	74.00	-33.17	peak
3	4222.000	41.96	-1.69	40.27	74.00	-33.73	peak
4	5332.000	40.23	1.95	42.18	74.00	-31.82	peak
5	5974.000	38.65	3.20	41.85	74.00	-32.15	peak
6	6802.000	37.49	5.58	43.07	74.00	-30.93	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

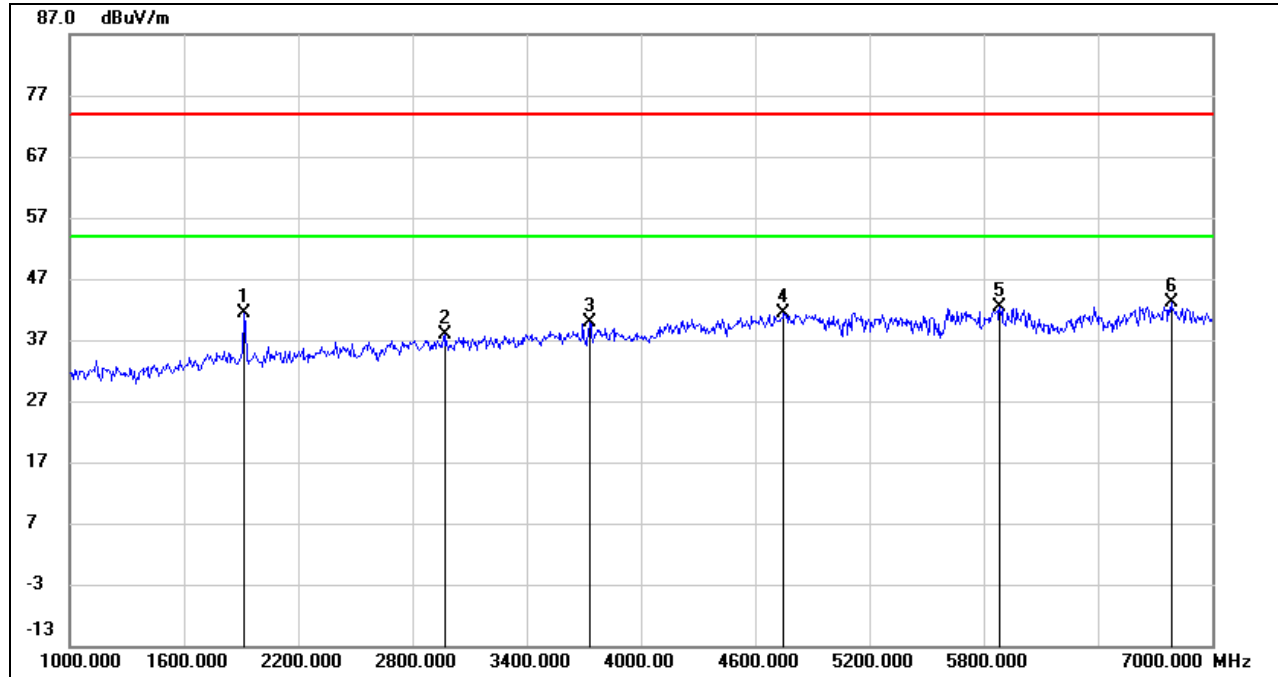
**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1198.000	51.33	-13.00	38.33	74.00	-35.67	peak
2	1918.000	52.97	-10.13	42.84	74.00	-31.16	peak
3	3736.000	47.94	-3.56	44.38	74.00	-29.62	peak
4	4672.000	41.72	-0.15	41.57	74.00	-32.43	peak
5	5860.000	39.90	2.75	42.65	74.00	-31.35	peak
6	6658.000	37.28	5.51	42.79	74.00	-31.21	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

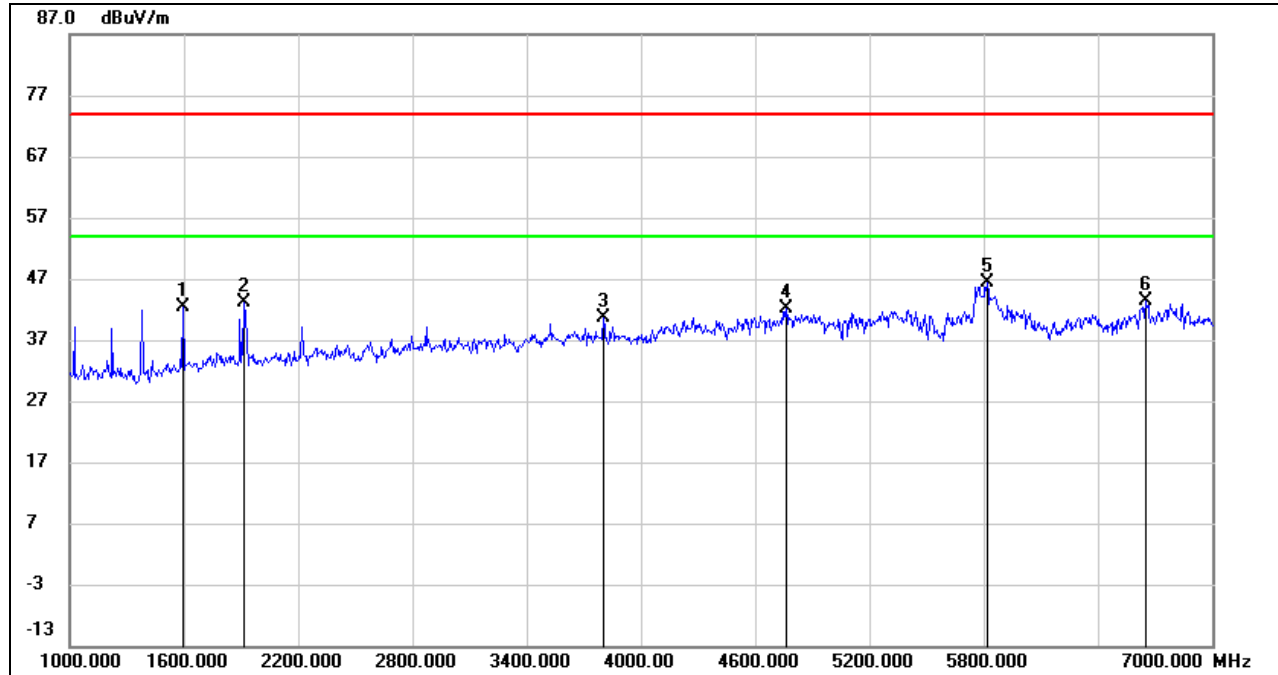
**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	51.43	-10.13	41.30	74.00	-32.70	peak
2	2968.000	43.63	-5.75	37.88	74.00	-36.12	peak
3	3730.000	43.36	-3.58	39.78	74.00	-34.22	peak
4	4750.000	41.11	0.30	41.41	74.00	-32.59	peak
5	5884.000	39.64	2.84	42.48	74.00	-31.52	peak
6	6784.000	37.66	5.56	43.22	74.00	-30.78	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

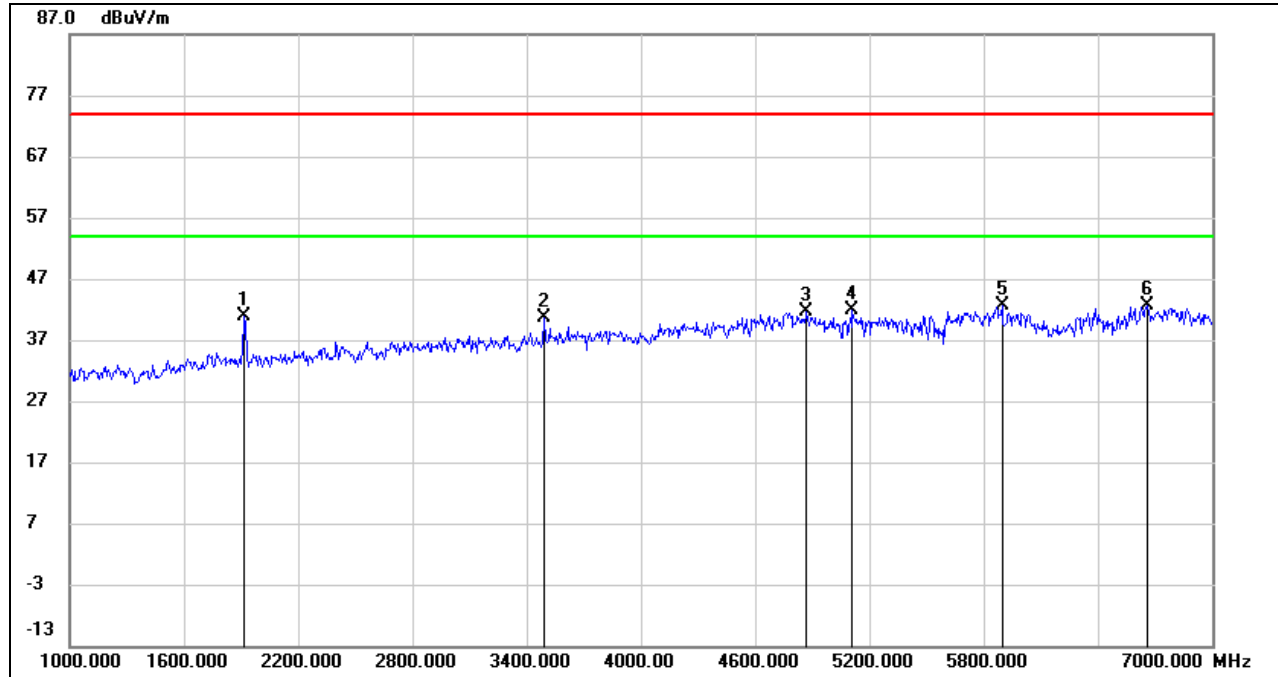
**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1594.000	53.88	-11.59	42.29	74.00	-31.71	peak
2	1918.000	53.31	-10.13	43.18	74.00	-30.82	peak
3	3802.000	43.89	-3.27	40.62	74.00	-33.38	peak
4	4762.000	41.63	0.38	42.01	74.00	-31.99	peak
5	5818.000	43.78	2.57	46.35	74.00	-27.65	peak
6	6652.000	37.87	5.52	43.39	74.00	-30.61	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)**

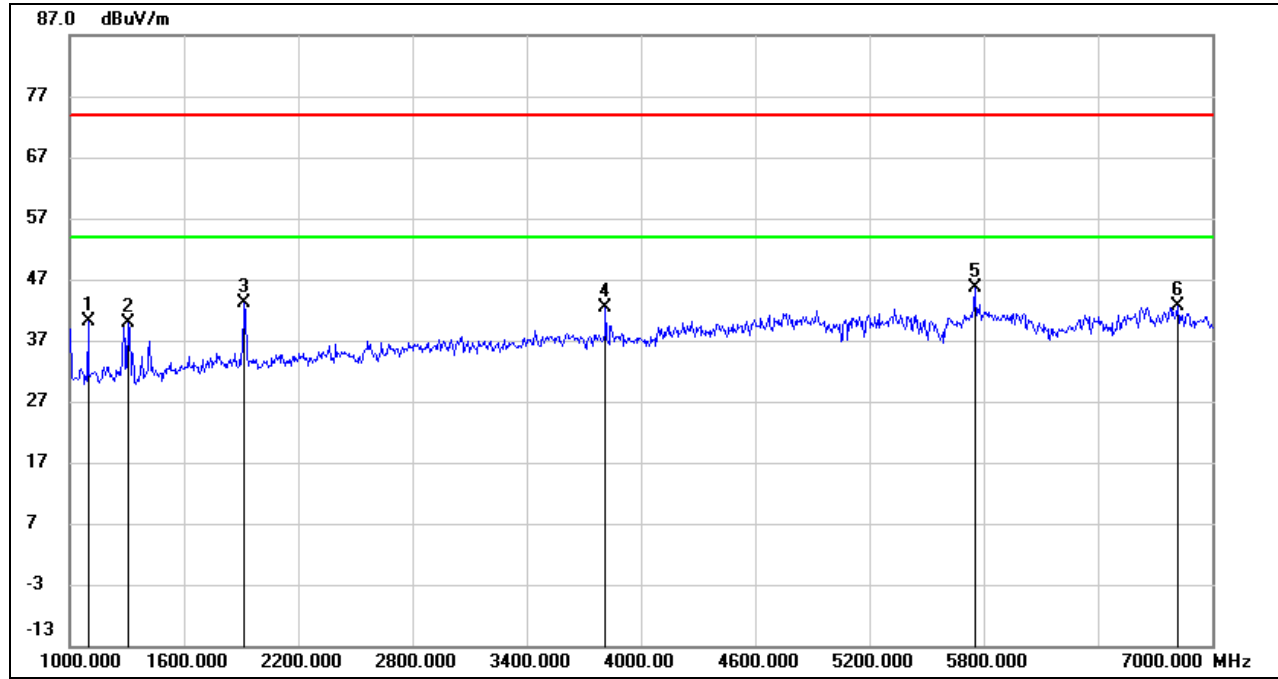


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	50.91	-10.13	40.78	74.00	-33.22	peak
2	3490.000	45.26	-4.75	40.51	74.00	-33.49	peak
3	4870.000	40.83	0.69	41.52	74.00	-32.48	peak
4	5110.000	40.25	1.55	41.80	74.00	-32.20	peak
5	5896.000	39.63	2.90	42.53	74.00	-31.47	peak
6	6658.000	37.04	5.51	42.55	74.00	-31.45	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**STRADDLE CHANNEL 144**

**HARMONICS AND SPURIOUS EMISSIONS (HORIZONTAL)**

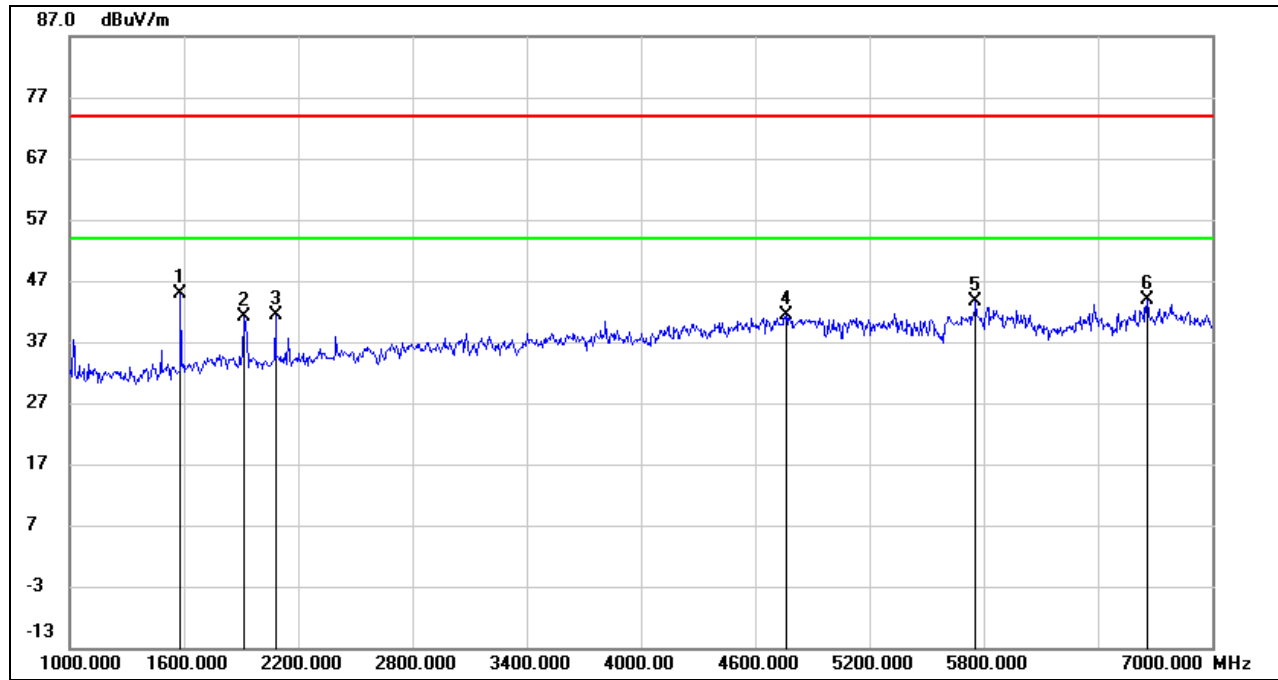


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1096.000	53.74	-13.51	40.23	74.00	-33.77	peak
2	1306.000	52.83	-12.84	39.99	74.00	-34.01	peak
3	1918.000	53.32	-10.13	43.19	74.00	-30.81	peak
4	3814.000	45.65	-3.28	42.37	74.00	-31.63	peak
5	5752.000	43.16	2.49	45.65	74.00	-28.35	peak
6	6820.000	36.94	5.64	42.58	74.00	-31.42	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



**HARMONICS AND SPURIOUS EMISSIONS (VERTICAL)**



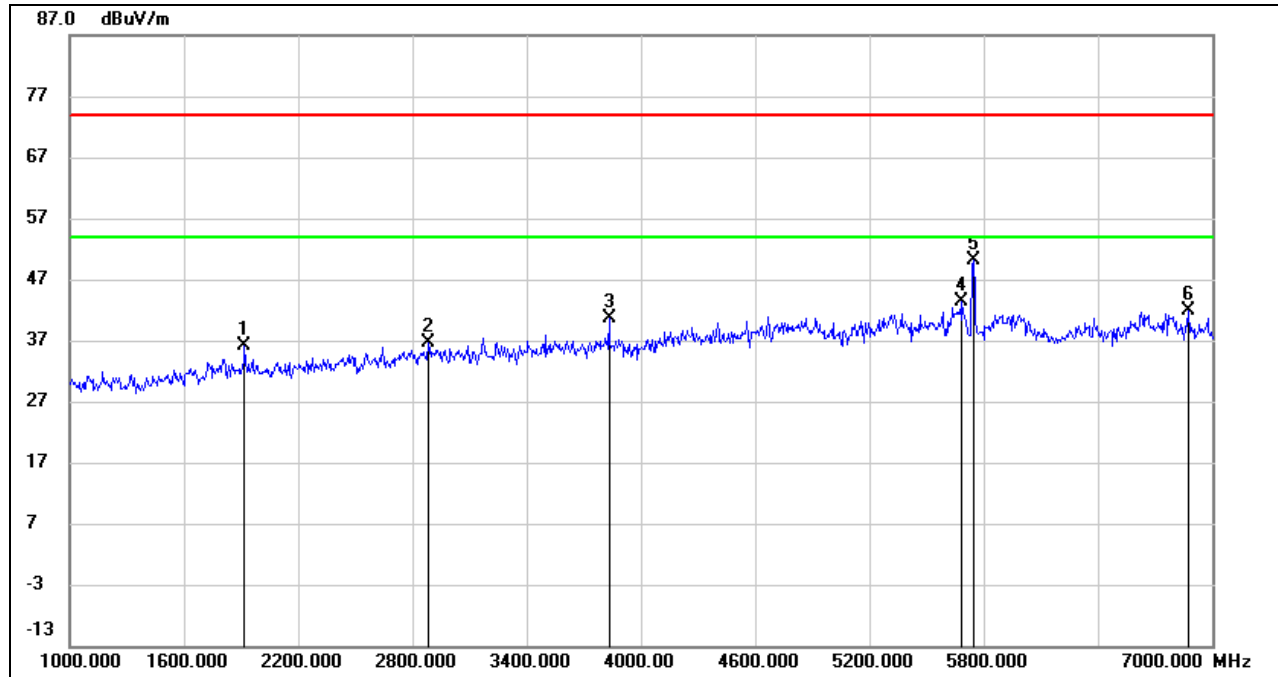
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1582.000	56.57	-11.68	44.89	74.00	-29.11	peak
2	1918.000	51.28	-10.13	41.15	74.00	-32.85	peak
3	2080.000	51.04	-9.73	41.31	74.00	-32.69	peak
4	4762.000	40.88	0.38	41.26	74.00	-32.74	peak
5	5758.000	41.05	2.50	43.55	74.00	-30.45	peak
6	6658.000	38.30	5.51	43.81	74.00	-30.19	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



**UNII-3 BAND**

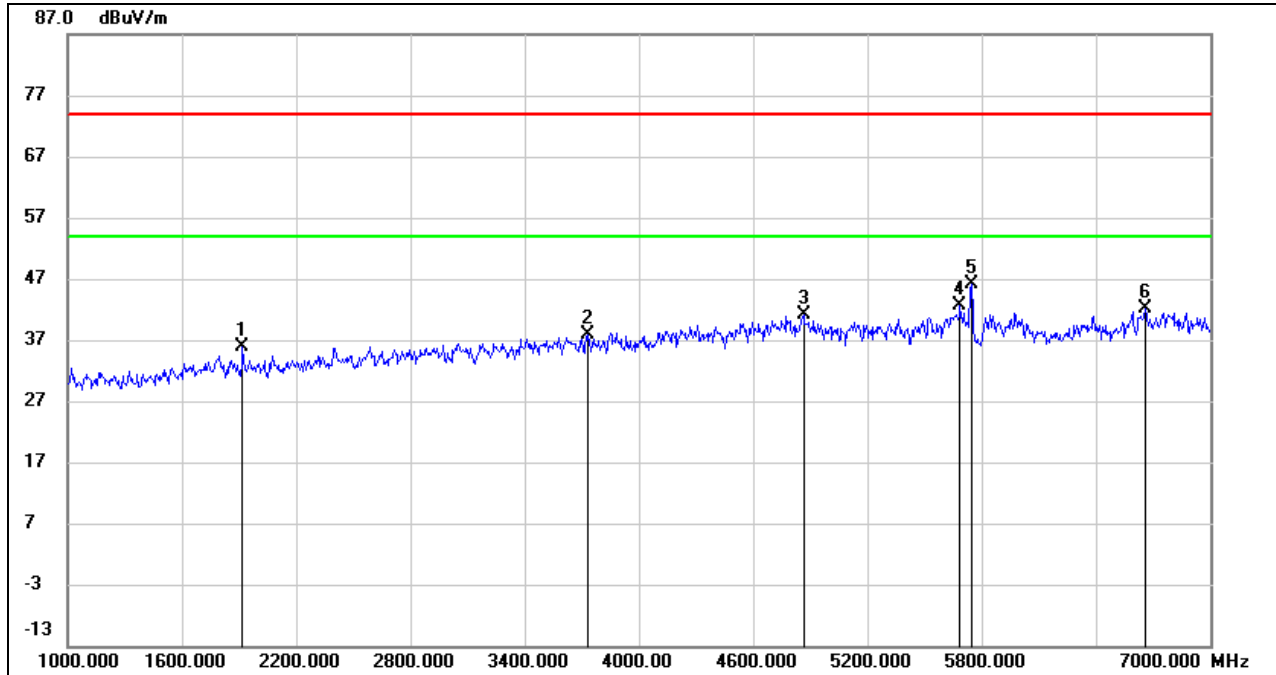
**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	46.23	-10.13	36.10	74.00	-37.90	peak
2	2884.000	42.69	-6.15	36.54	74.00	-37.46	peak
3	3832.000	43.94	-3.32	40.62	74.00	-33.38	peak
4	5686.000	40.88	2.47	43.35	74.00	-30.65	peak
5	5745.000	47.61	2.49	50.10	74.00	-23.90	peak
6	6874.000	36.02	5.78	41.80	74.00	-32.20	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

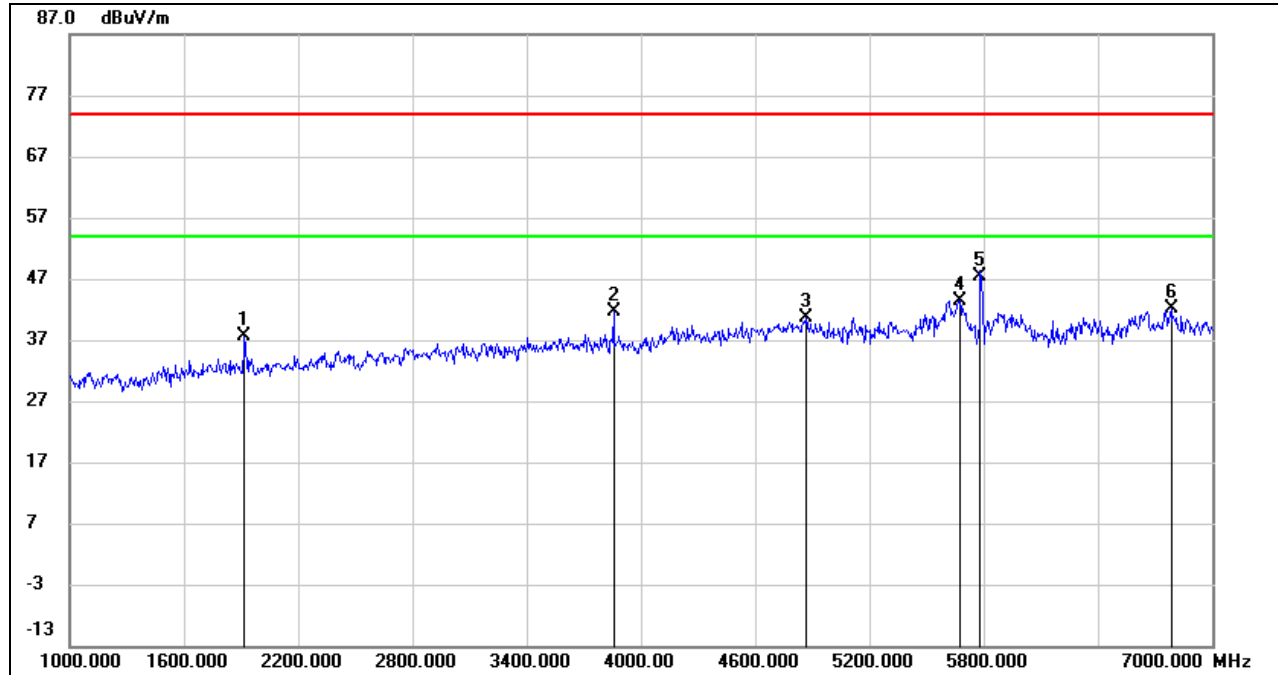
**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	45.89	-10.13	35.76	74.00	-38.24	peak
2	3730.000	41.37	-3.58	37.79	74.00	-36.21	peak
3	4864.000	40.46	0.69	41.15	74.00	-32.85	peak
4	5686.000	40.05	2.47	42.52	74.00	-31.48	peak
5	5745.000	43.60	2.49	46.09	74.00	-27.91	peak
6	6658.000	36.64	5.51	42.15	74.00	-31.85	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

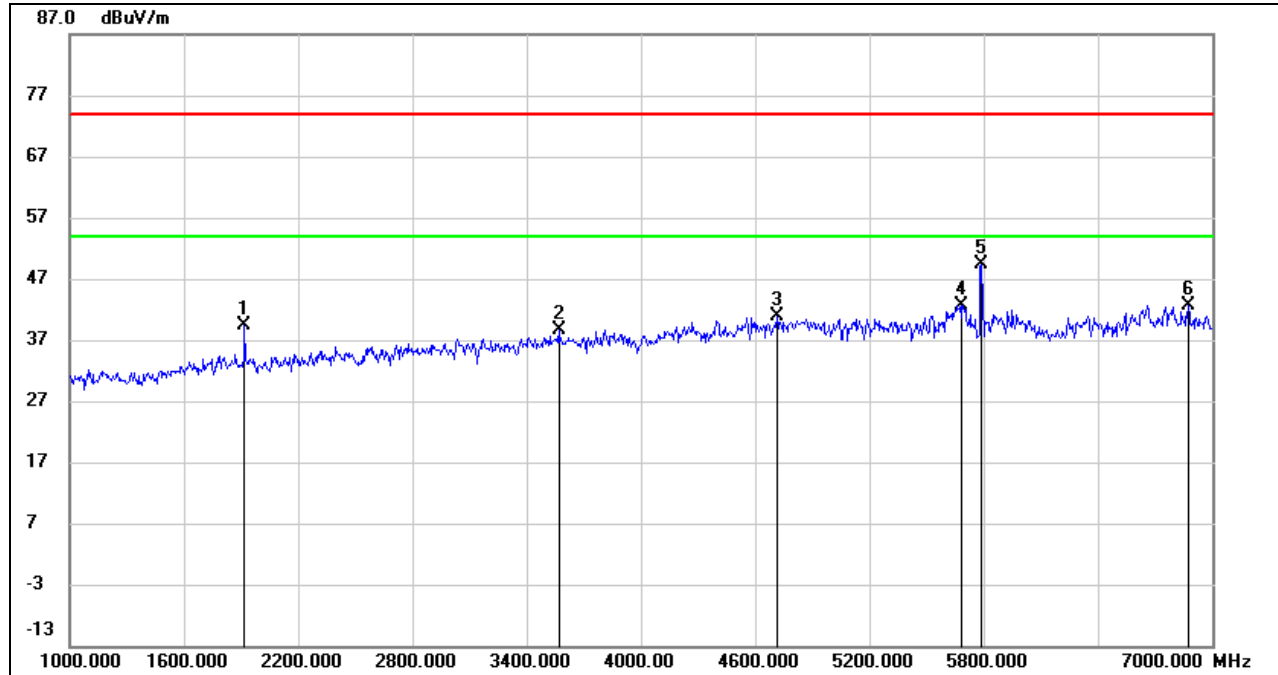
**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	47.87	-10.13	37.74	74.00	-36.26	peak
2	3856.000	44.96	-3.36	41.60	74.00	-32.40	peak
3	4870.000	39.85	0.69	40.54	74.00	-33.46	peak
4	5674.000	40.91	2.48	43.39	74.00	-30.61	peak
5	5785.000	44.90	2.50	47.40	74.00	-26.60	peak
6	6784.000	36.50	5.56	42.06	74.00	-31.94	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

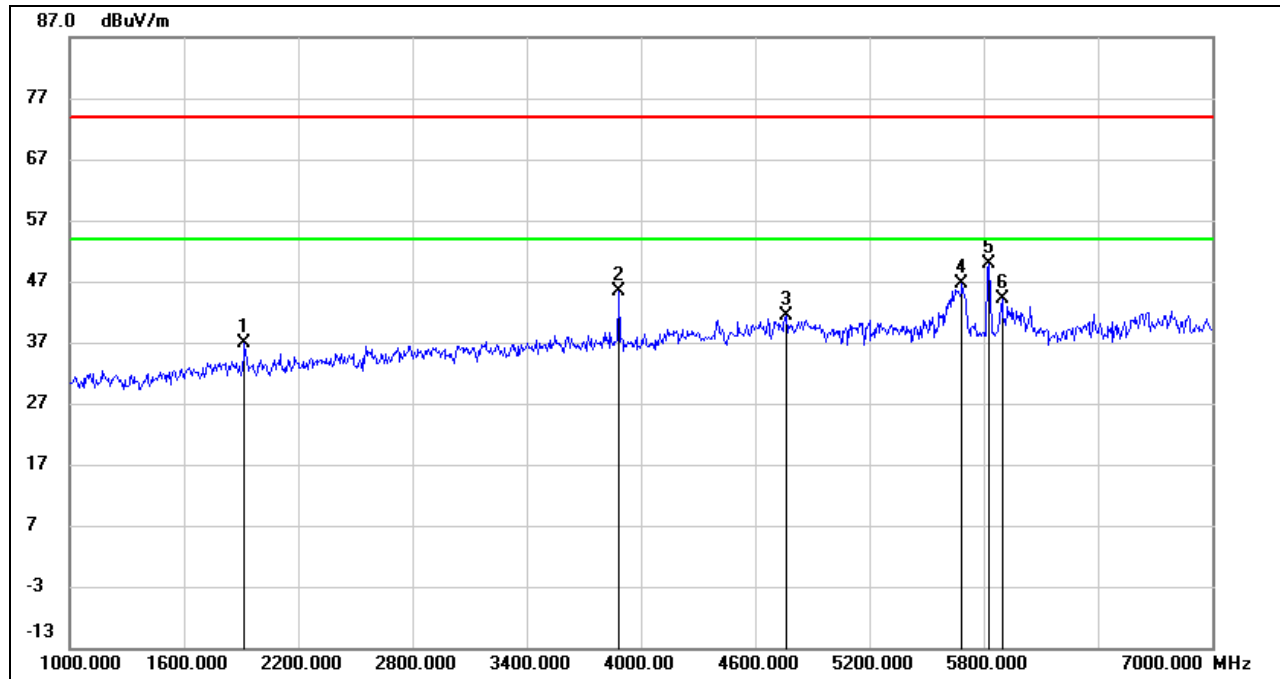
**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	49.48	-10.13	39.35	74.00	-34.65	peak
2	3568.000	42.88	-4.35	38.53	74.00	-35.47	peak
3	4714.000	40.91	0.09	41.00	74.00	-33.00	peak
4	5686.000	40.21	2.47	42.68	74.00	-31.32	peak
5	5785.000	46.85	2.50	49.35	74.00	-24.65	peak
6	6874.000	36.90	5.78	42.68	74.00	-31.32	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

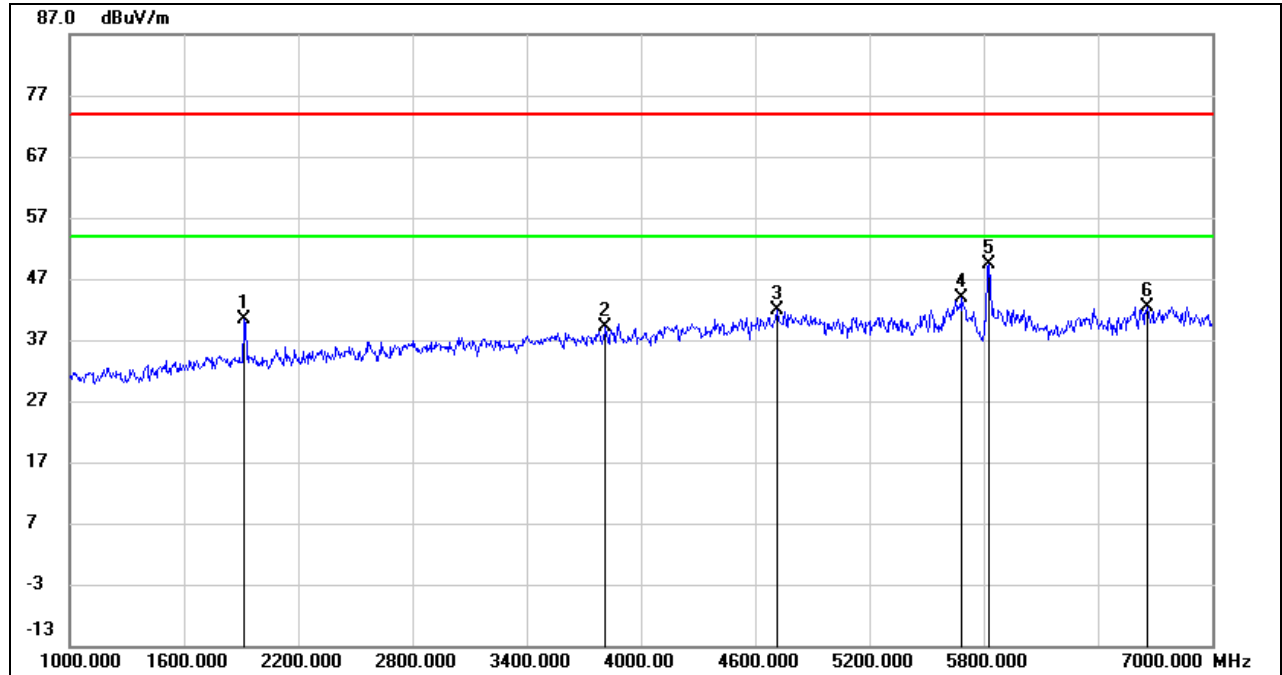
**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	47.12	-10.13	36.99	74.00	-37.01	peak
2	3886.000	48.69	-3.41	45.28	74.00	-28.72	peak
3	4762.000	40.96	0.38	41.34	74.00	-32.66	peak
4	5686.000	44.25	2.47	46.72	74.00	-27.28	peak
5	5825.000	47.39	2.61	50.00	74.00	-24.00	peak
6	5896.000	41.16	2.90	44.06	74.00	-29.94	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

### HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	50.62	-10.13	40.49	74.00	-33.51	peak
2	3814.000	42.49	-3.28	39.21	74.00	-34.79	peak
3	4714.000	41.78	0.09	41.87	74.00	-32.13	peak
4	5686.000	41.39	2.47	43.86	74.00	-30.14	peak
5	5825.000	46.77	2.61	49.38	74.00	-24.62	peak
6	6658.000	36.93	5.51	42.44	74.00	-31.56	peak

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.

5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

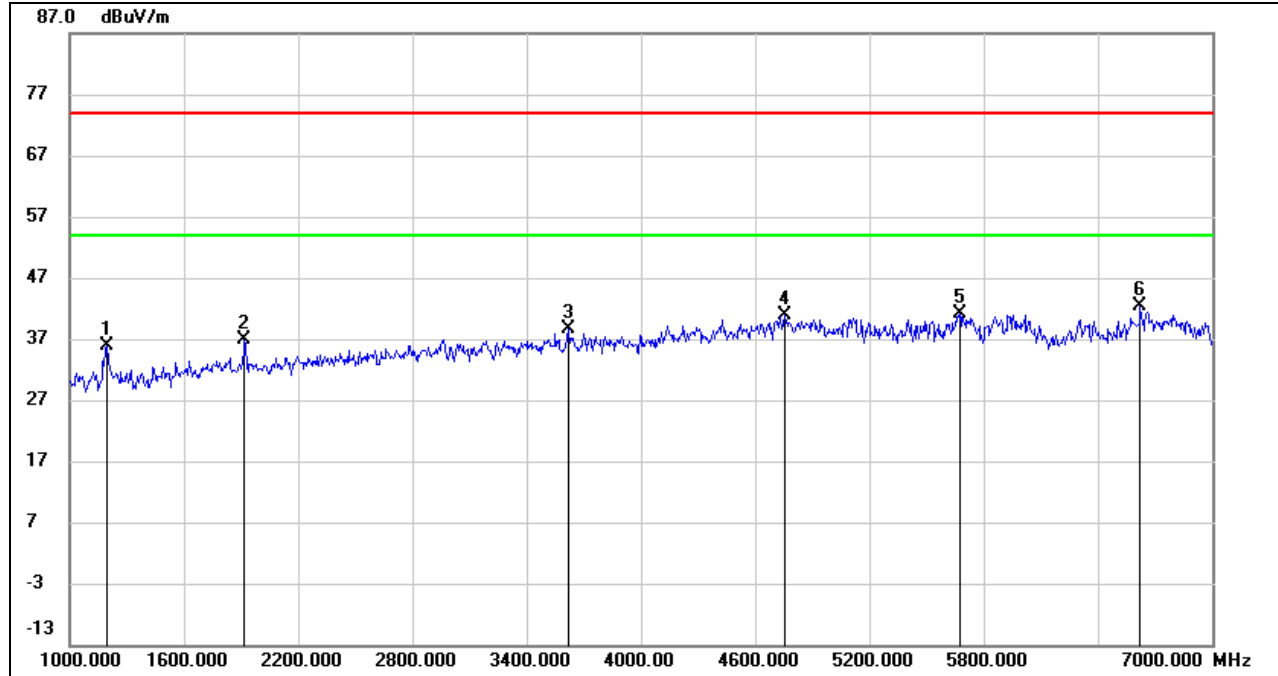
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**INNO-LINK ANTENNA:**

**8.2.2. 802.11a20 SISO MODE**

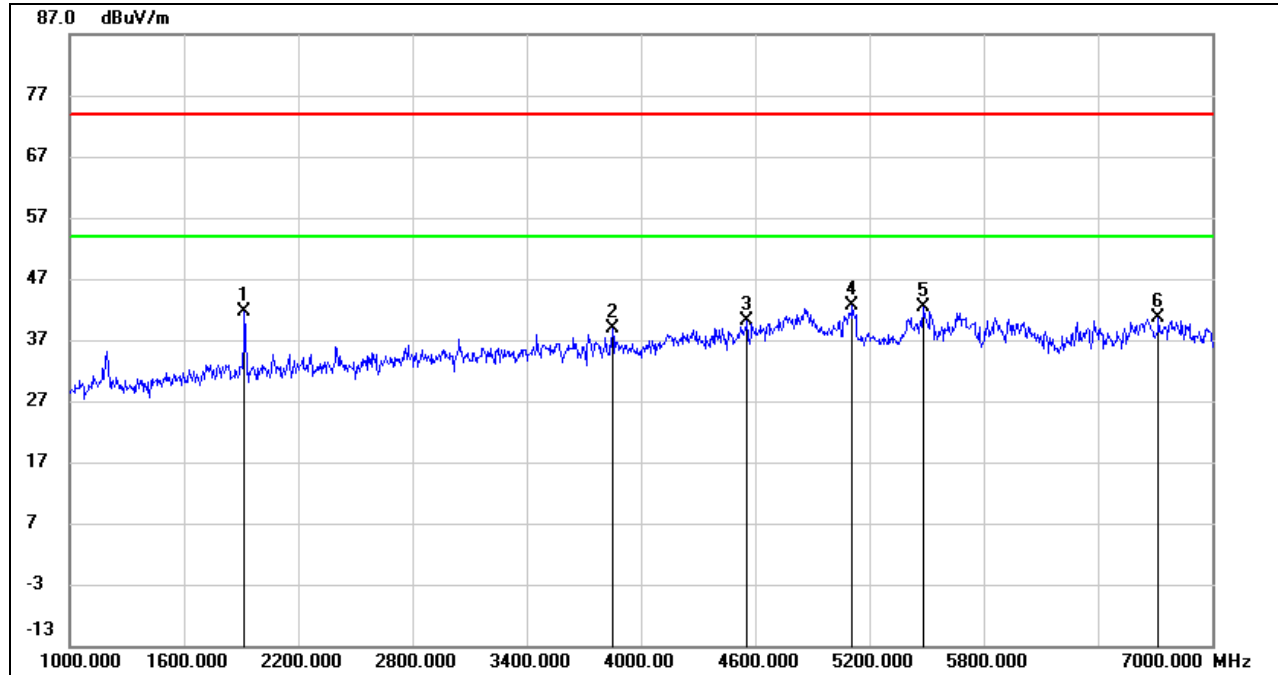
**UNII-1 BAND**

**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1192.000	48.79	-13.03	35.76	74.00	-38.24	peak
2	1918.000	46.96	-10.13	36.83	74.00	-37.17	peak
3	3616.000	42.87	-4.12	38.75	74.00	-35.25	peak
4	4756.000	40.48	0.33	40.81	74.00	-33.19	peak
5	5674.000	38.58	2.48	41.06	74.00	-32.94	peak
6	6622.000	36.80	5.51	42.31	74.00	-31.69	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	51.77	-10.13	41.64	74.00	-32.36	peak
2	3850.000	42.20	-3.35	38.85	74.00	-35.15	peak
3	4558.000	40.91	-0.84	40.07	74.00	-33.93	peak
4	5110.000	41.19	1.55	42.74	74.00	-31.26	peak
5	5482.000	40.24	2.11	42.35	74.00	-31.65	peak
6	6718.000	35.09	5.54	40.63	74.00	-33.37	peak

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.

5. For the transmitting duration, please refer to clause 7.1.

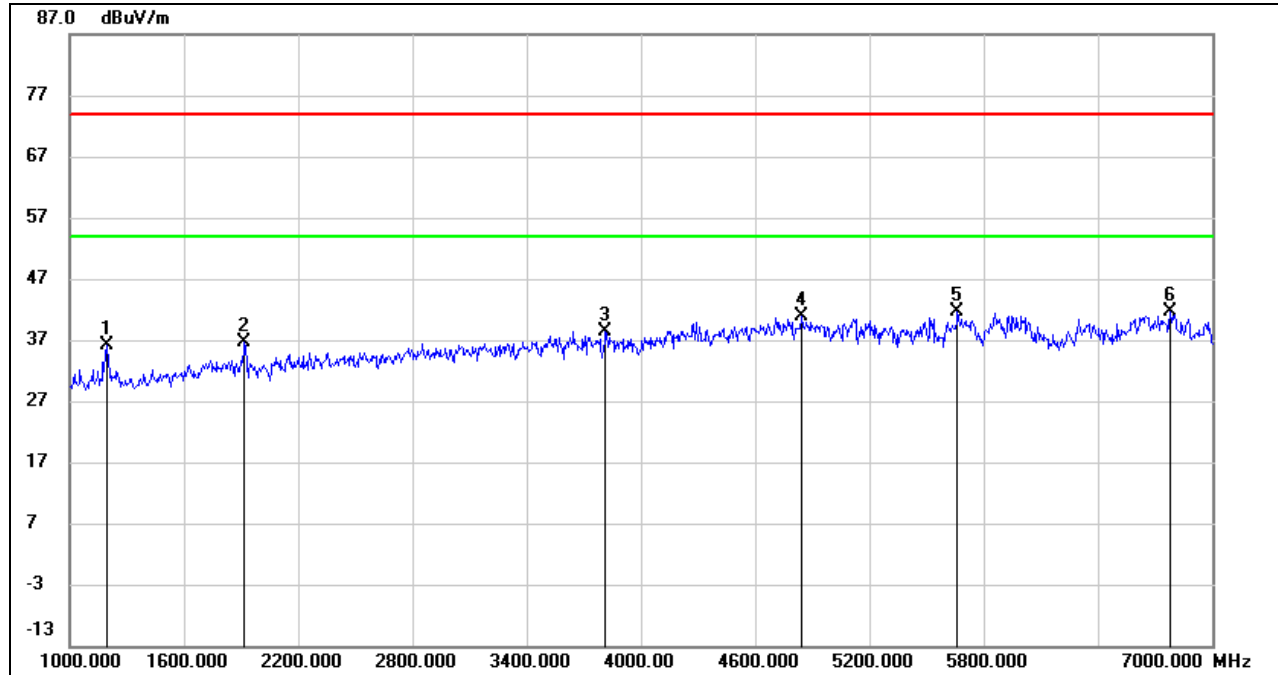
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



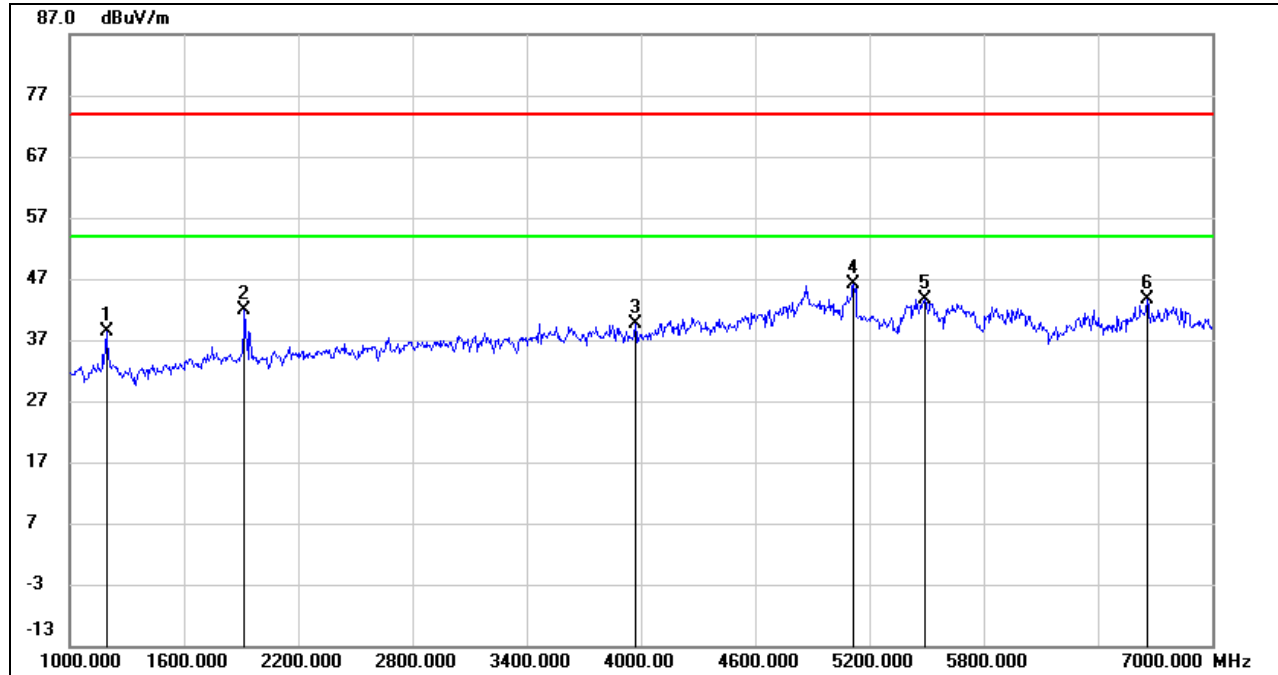
**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1192.000	49.09	-13.03	36.06	74.00	-37.94	peak
2	1918.000	46.79	-10.13	36.66	74.00	-37.34	peak
3	3814.000	41.55	-3.28	38.27	74.00	-35.73	peak
4	4846.000	40.18	0.66	40.84	74.00	-33.16	peak
5	5662.000	39.16	2.47	41.63	74.00	-32.37	peak
6	6778.000	36.16	5.56	41.72	74.00	-32.28	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

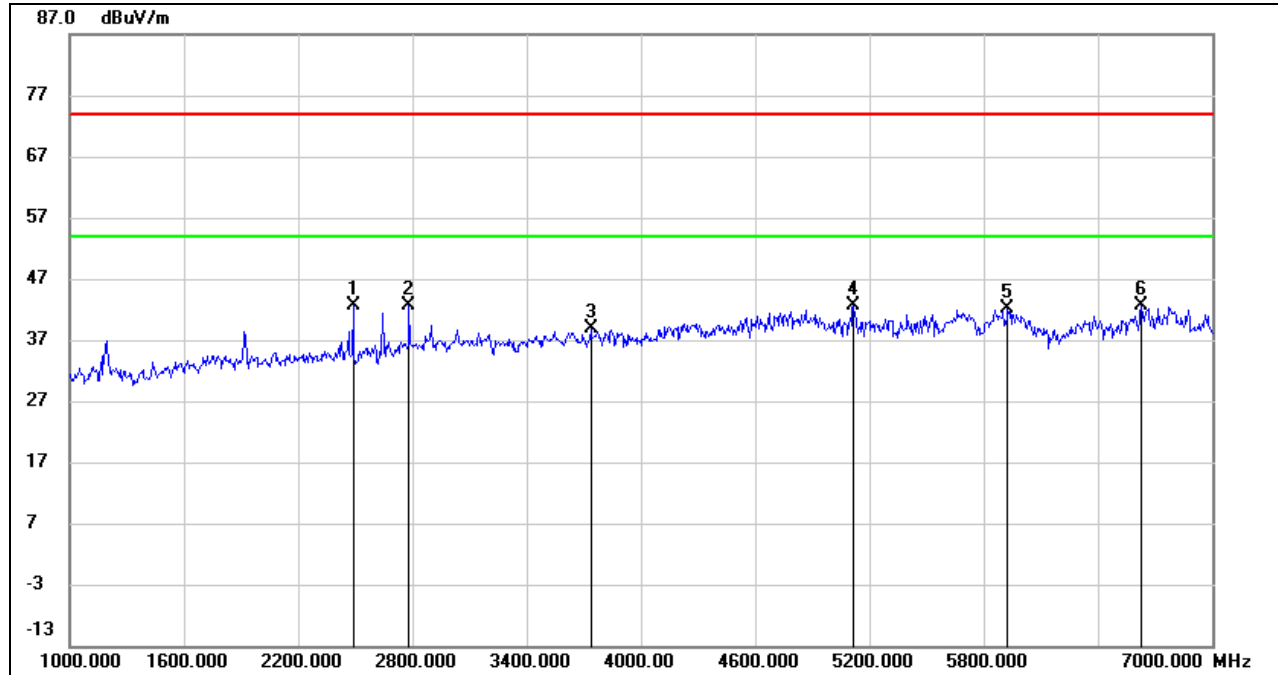
**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1192.000	51.52	-13.03	38.49	74.00	-35.51	peak
2	1918.000	52.10	-10.13	41.97	74.00	-32.03	peak
3	3970.000	43.20	-3.56	39.64	74.00	-34.36	peak
4	5116.000	44.48	1.60	46.08	74.00	-27.92	peak
5	5494.000	41.48	2.14	43.62	74.00	-30.38	peak
6	6658.000	38.02	5.51	43.53	74.00	-30.47	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

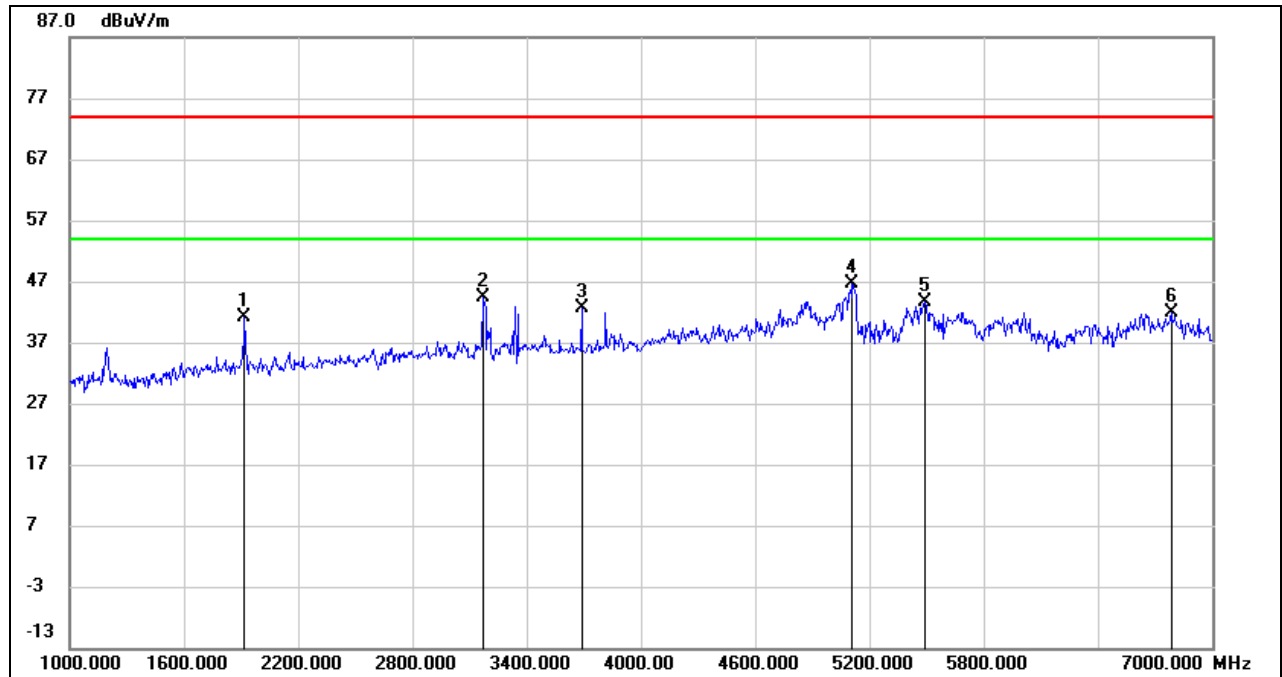
**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2488.000	50.90	-8.24	42.66	74.00	-31.34	peak
2	2782.000	49.21	-6.67	42.54	74.00	-31.46	peak
3	3736.000	42.36	-3.56	38.80	74.00	-35.20	peak
4	5116.000	41.07	1.60	42.67	74.00	-31.33	peak
5	5926.000	39.14	3.01	42.15	74.00	-31.85	peak
6	6628.000	37.01	5.50	42.51	74.00	-31.49	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)**

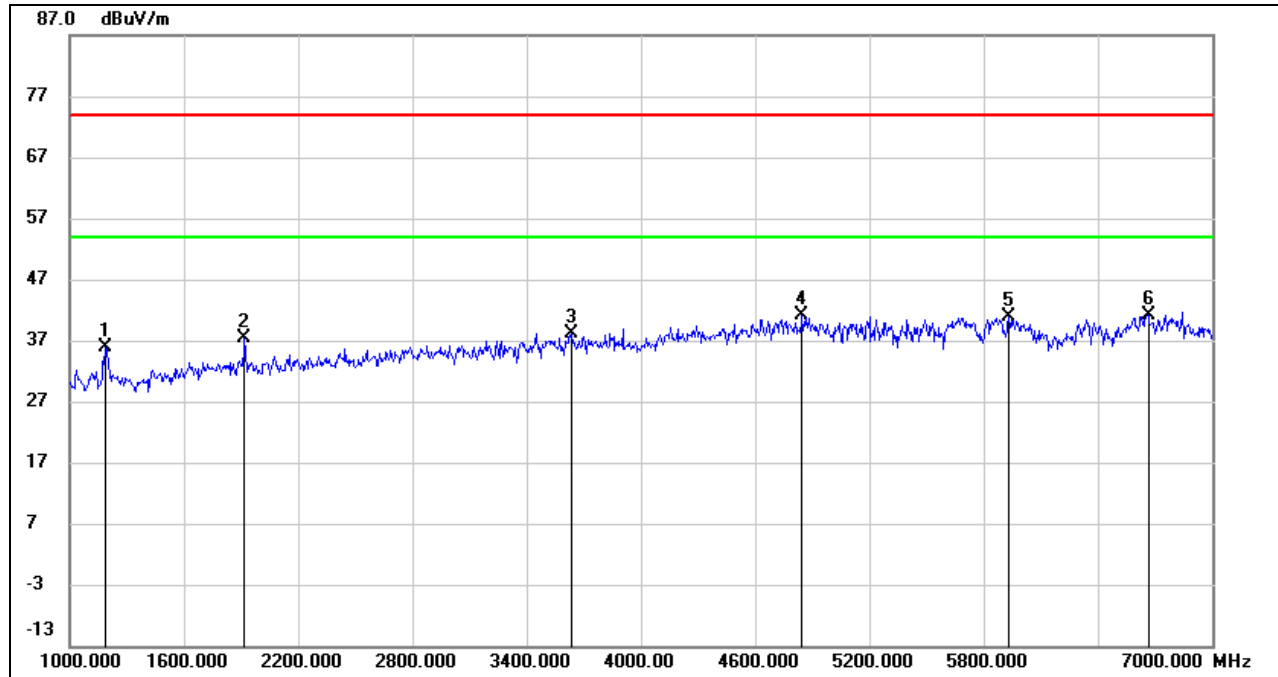


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	51.31	-10.13	41.18	74.00	-32.82	peak
2	3172.000	49.68	-5.30	44.38	74.00	-29.62	peak
3	3688.000	46.31	-3.78	42.53	74.00	-31.47	peak
4	5110.000	45.06	1.55	46.61	74.00	-27.39	peak
5	5488.000	41.61	2.13	43.74	74.00	-30.26	peak
6	6784.000	36.35	5.56	41.91	74.00	-32.09	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where:  $Ton$  is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**UNII-2A BAND**

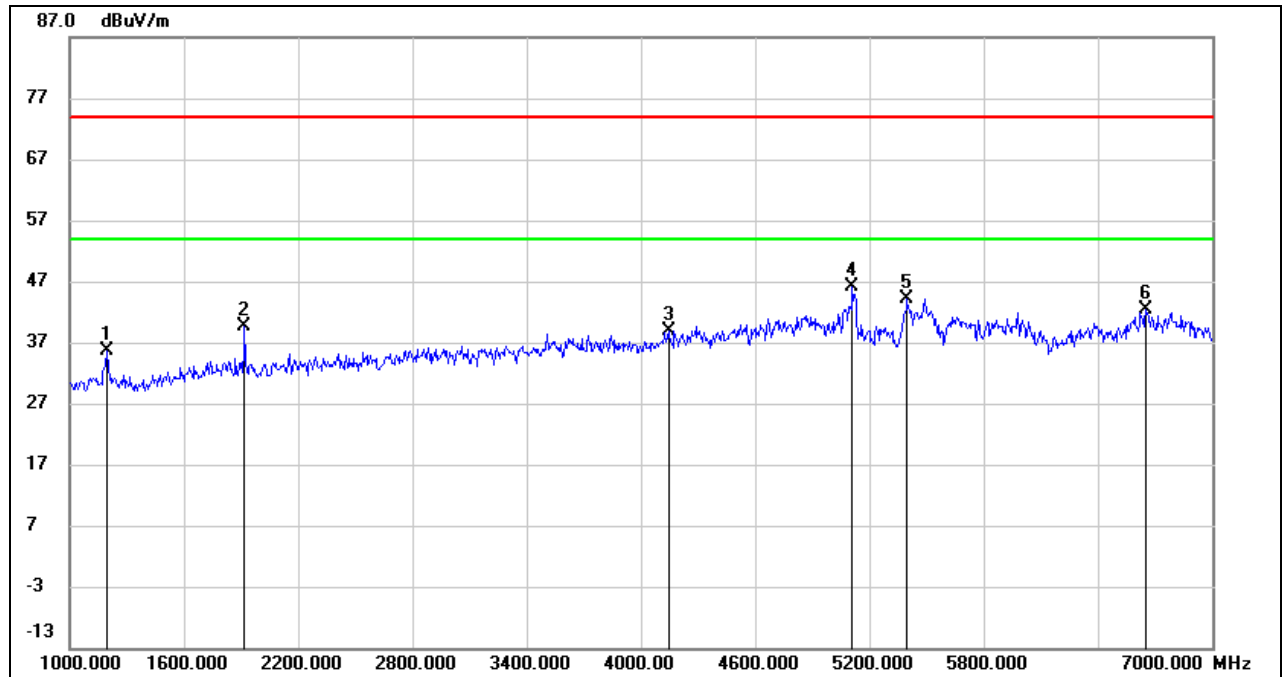
**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1186.000	48.91	-13.07	35.84	74.00	-38.16	peak
2	1918.000	47.40	-10.13	37.27	74.00	-36.73	peak
3	3634.000	42.12	-4.03	38.09	74.00	-35.91	peak
4	4846.000	40.36	0.66	41.02	74.00	-32.98	peak
5	5932.000	37.91	3.03	40.94	74.00	-33.06	peak
6	6664.000	35.71	5.53	41.24	74.00	-32.76	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

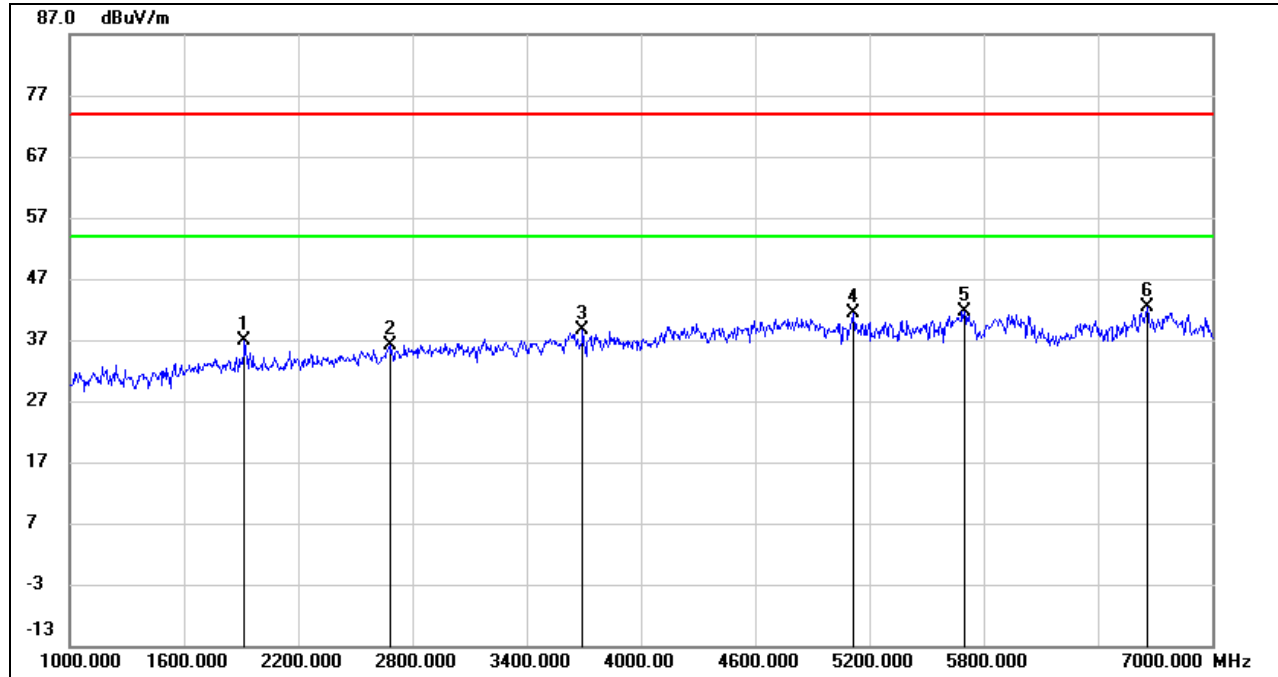
**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1198.000	48.66	-13.00	35.66	74.00	-38.34	peak
2	1918.000	49.71	-10.13	39.58	74.00	-34.42	peak
3	4144.000	41.11	-2.21	38.90	74.00	-35.10	peak
4	5110.000	44.51	1.55	46.06	74.00	-27.94	peak
5	5398.000	42.34	1.88	44.22	74.00	-29.78	peak
6	6652.000	36.84	5.52	42.36	74.00	-31.64	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/T_{on}$ , where:  $T_{on}$  is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

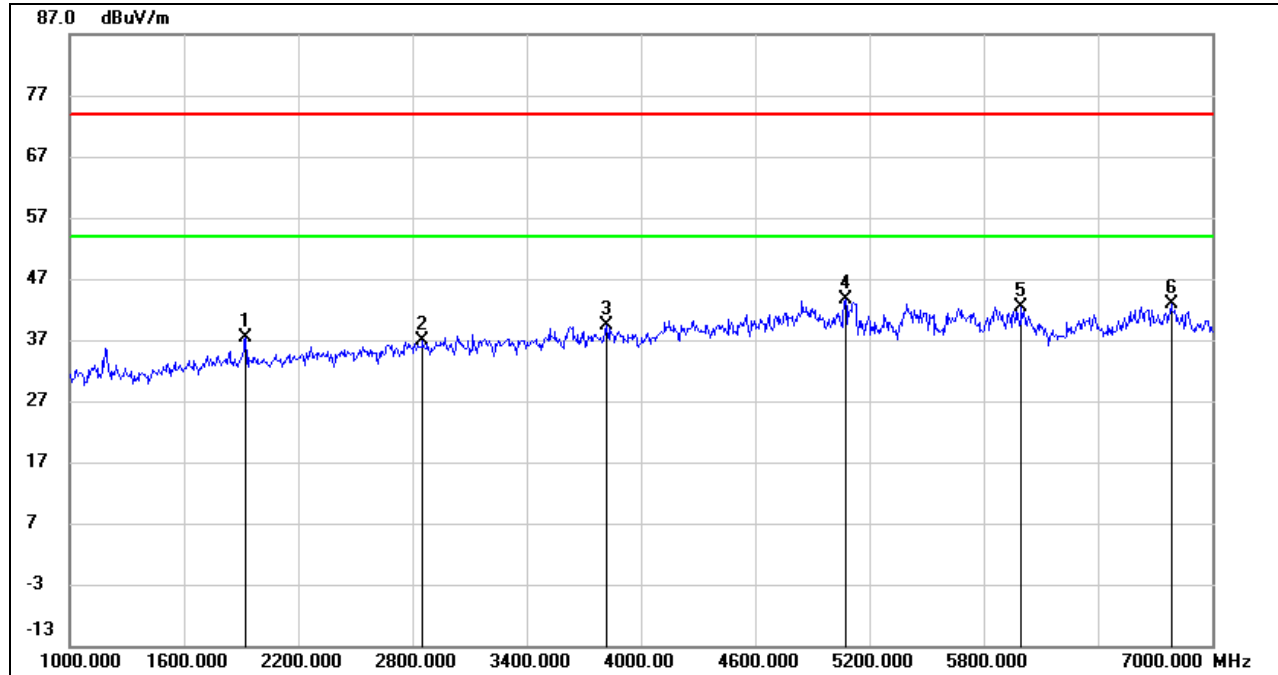
**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	46.94	-10.13	36.81	74.00	-37.19	peak
2	2680.000	43.44	-7.34	36.10	74.00	-37.90	peak
3	3694.000	42.36	-3.75	38.61	74.00	-35.39	peak
4	5116.000	39.70	1.60	41.30	74.00	-32.70	peak
5	5698.000	39.21	2.49	41.70	74.00	-32.30	peak
6	6658.000	36.93	5.51	42.44	74.00	-31.56	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)**

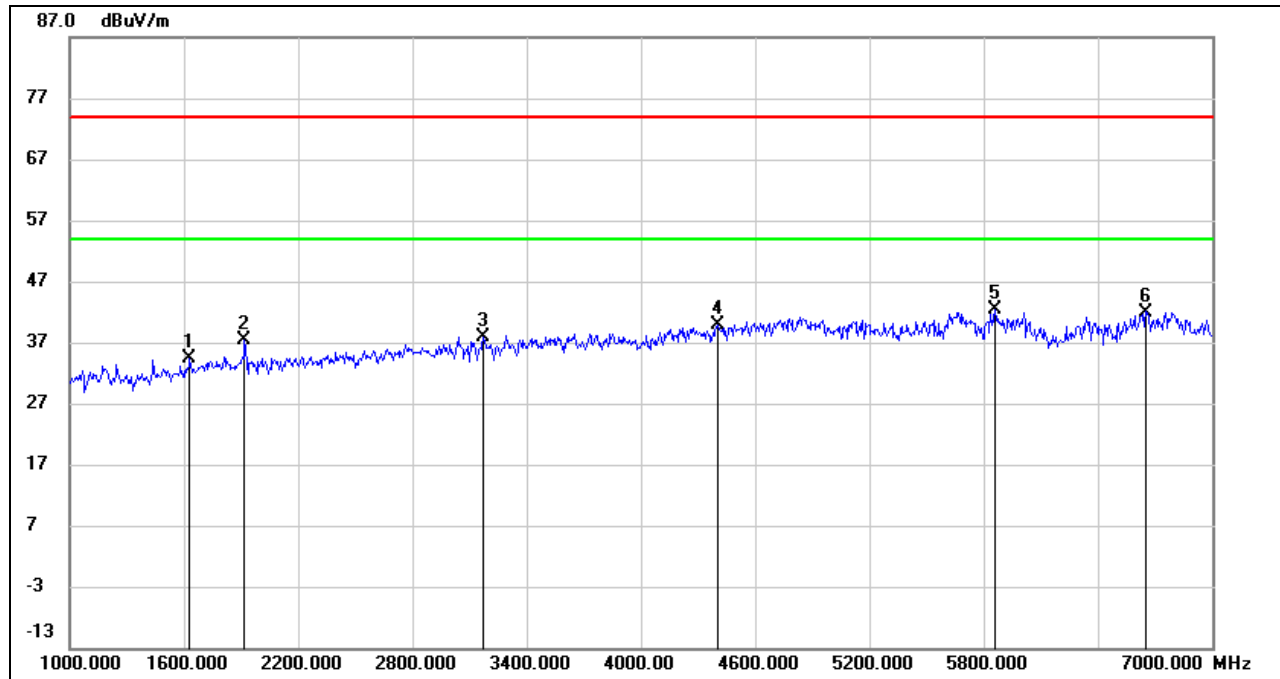


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1924.000	47.39	-10.13	37.26	74.00	-36.74	peak
2	2854.000	43.16	-6.30	36.86	74.00	-37.14	peak
3	3820.000	42.68	-3.29	39.39	74.00	-34.61	peak
4	5074.000	42.17	1.34	43.51	74.00	-30.49	peak
5	5998.000	39.19	3.30	42.49	74.00	-31.51	peak
6	6784.000	37.30	5.56	42.86	74.00	-31.14	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)**

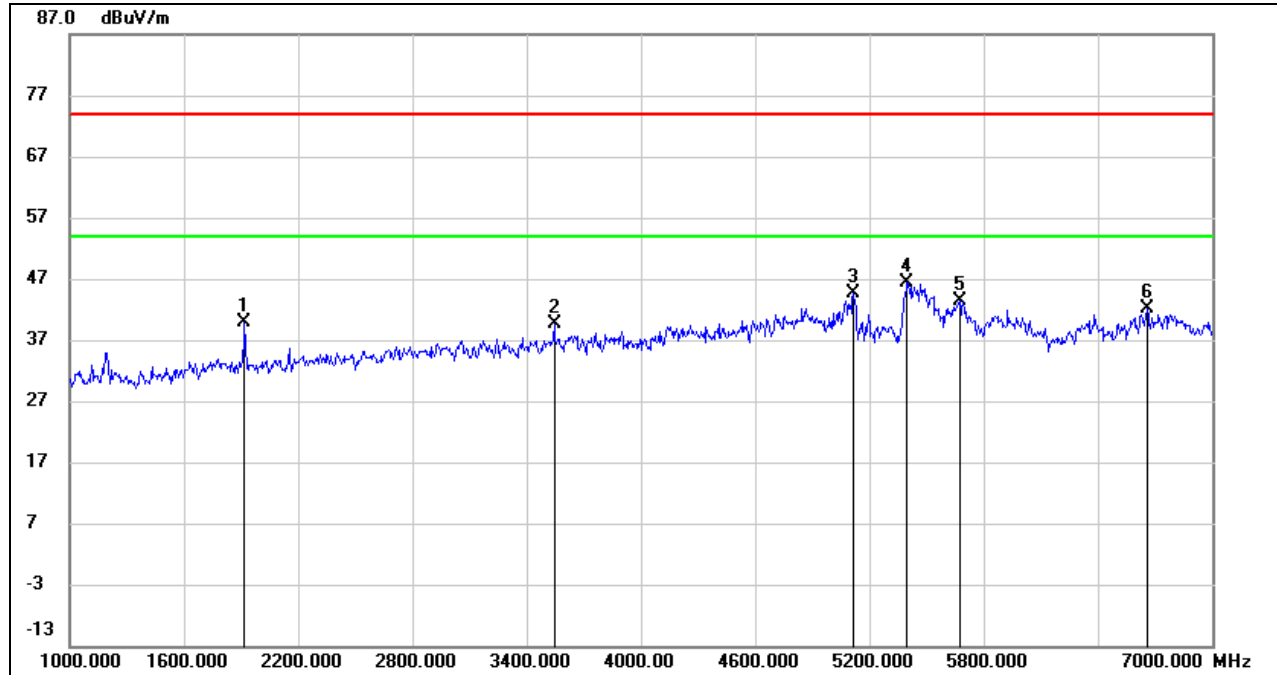




No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1630.000	45.63	-11.33	34.30	74.00	-39.70	peak
2	1918.000	47.44	-10.13	37.31	74.00	-36.69	peak
3	3172.000	43.21	-5.30	37.91	74.00	-36.09	peak
4	4402.000	41.78	-1.85	39.93	74.00	-34.07	peak
5	5860.000	39.55	2.75	42.30	74.00	-31.70	peak
6	6652.000	36.48	5.52	42.00	74.00	-32.00	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where:  $Ton$  is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

### HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	49.92	-10.13	39.79	74.00	-34.21	peak
2	3544.000	44.07	-4.48	39.59	74.00	-34.41	peak
3	5116.000	43.08	1.60	44.68	74.00	-29.32	peak
4	5398.000	44.54	1.88	46.42	74.00	-27.58	peak
5	5674.000	40.92	2.48	43.40	74.00	-30.60	peak
6	6658.000	36.67	5.51	42.18	74.00	-31.82	peak

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.

5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.

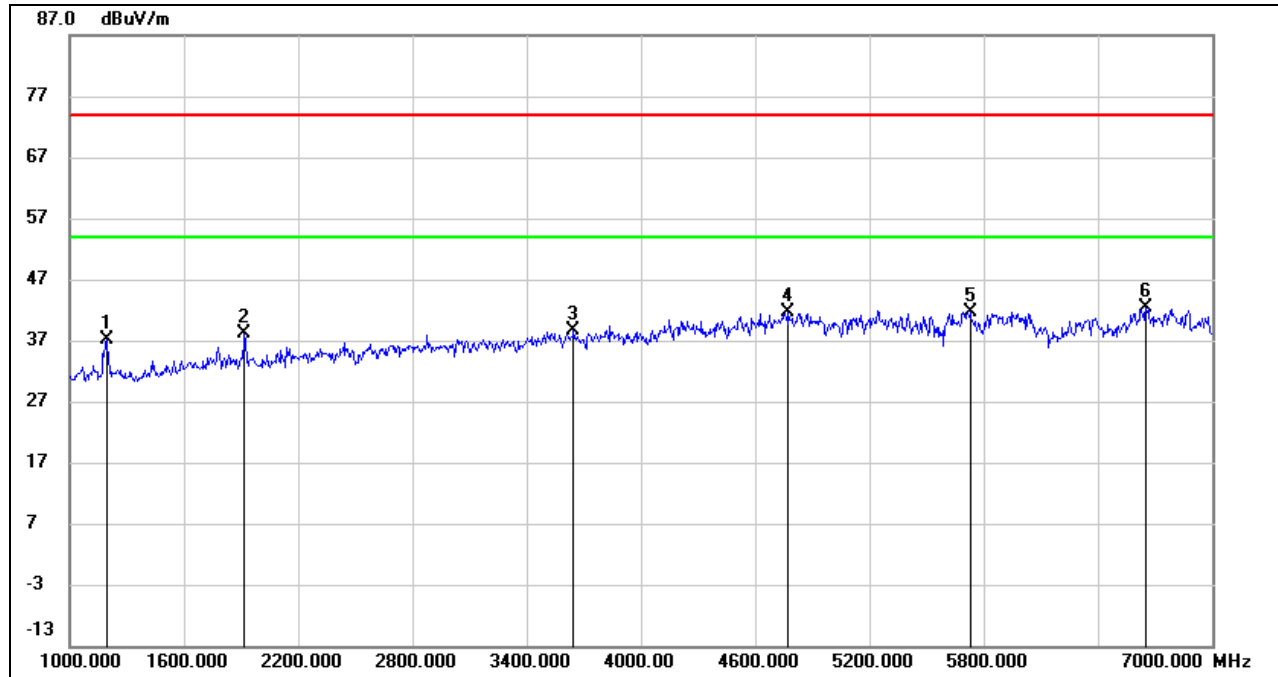
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



**UNII-2C BAND**

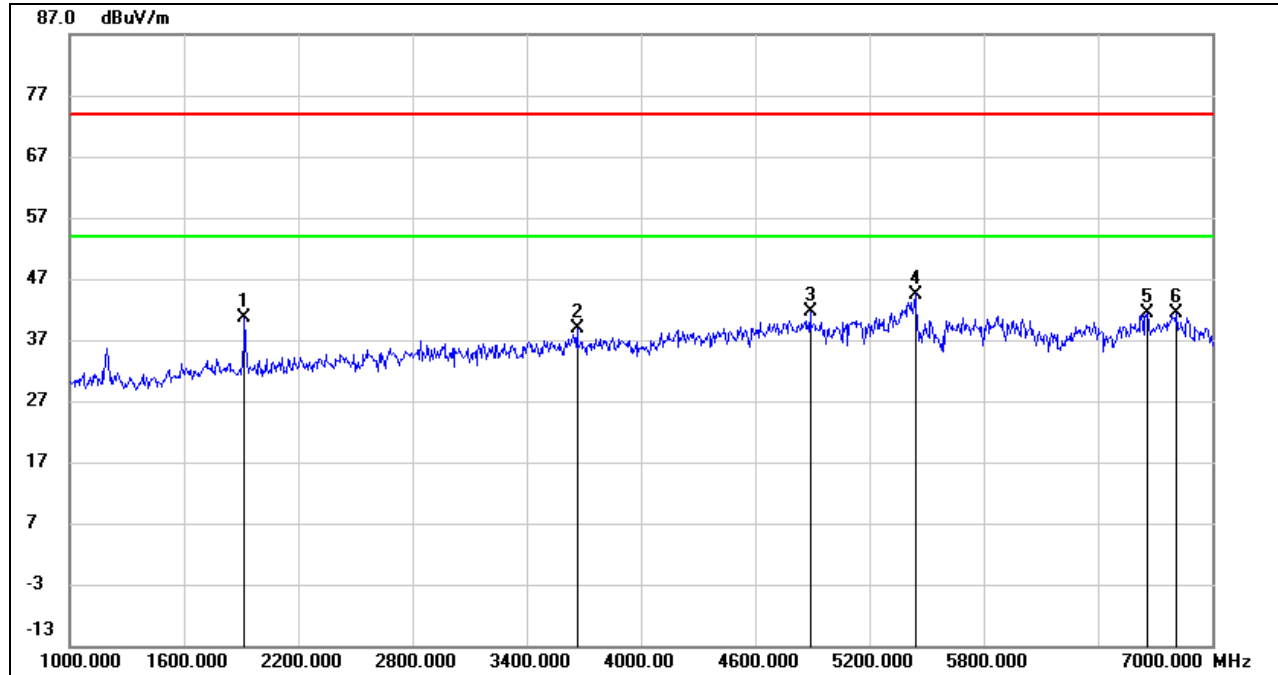
**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1192.000	50.08	-13.03	37.05	74.00	-36.95	peak
2	1918.000	48.24	-10.13	38.11	74.00	-35.89	peak
3	3646.000	42.72	-3.98	38.74	74.00	-35.26	peak
4	4774.000	41.11	0.43	41.54	74.00	-32.46	peak
5	5728.000	39.19	2.49	41.68	74.00	-32.32	peak
6	6652.000	36.89	5.52	42.41	74.00	-31.59	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

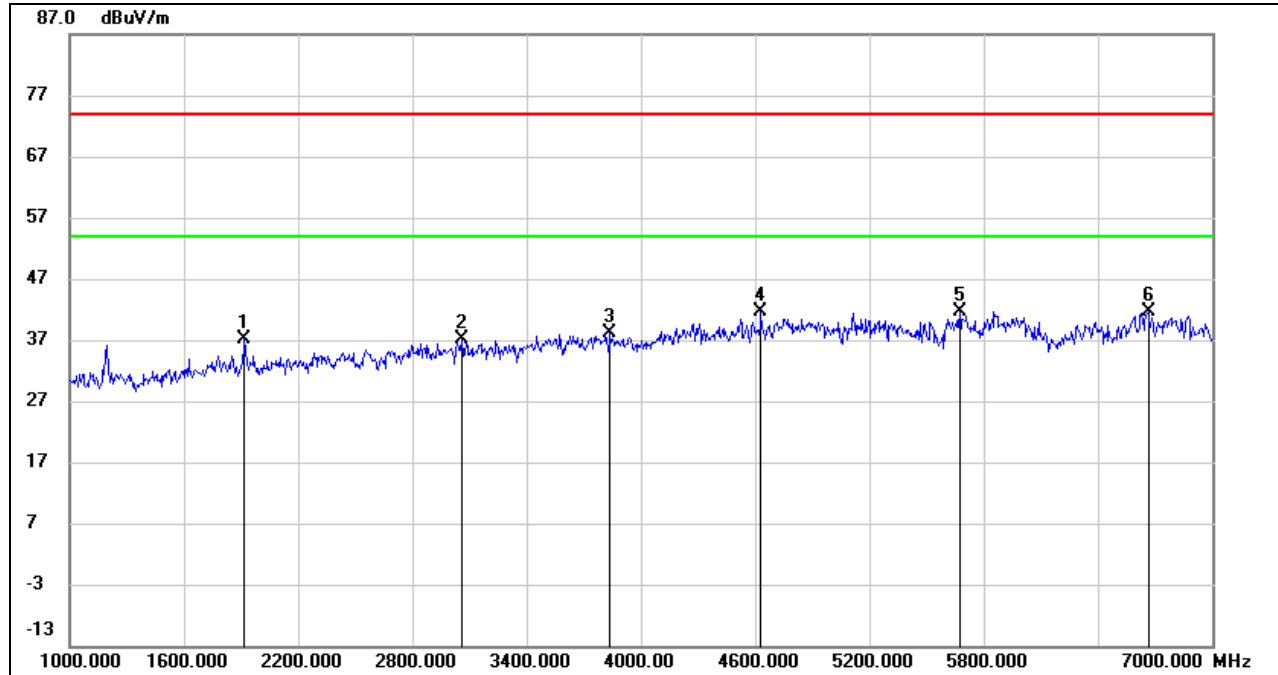
**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	50.76	-10.13	40.63	74.00	-33.37	peak
2	3664.000	42.88	-3.89	38.99	74.00	-35.01	peak
3	4888.000	40.82	0.72	41.54	74.00	-32.46	peak
4	5440.000	42.50	2.00	44.50	74.00	-29.50	peak
5	6658.000	35.77	5.51	41.28	74.00	-32.72	peak
6	6814.000	35.68	5.62	41.30	74.00	-32.70	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

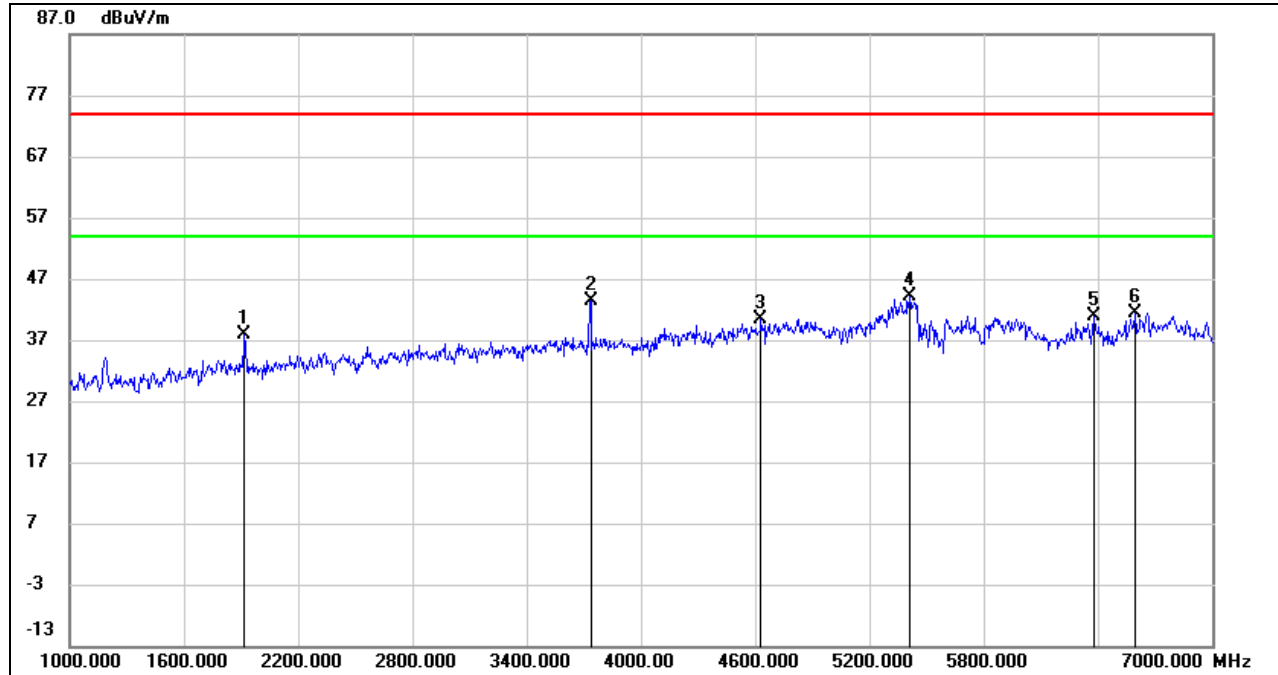
**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	47.30	-10.13	37.17	74.00	-36.83	peak
2	3058.000	42.59	-5.48	37.11	74.00	-36.89	peak
3	3838.000	41.35	-3.32	38.03	74.00	-35.97	peak
4	4630.000	42.10	-0.38	41.72	74.00	-32.28	peak
5	5674.000	39.22	2.48	41.70	74.00	-32.30	peak
6	6664.000	36.21	5.53	41.74	74.00	-32.26	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

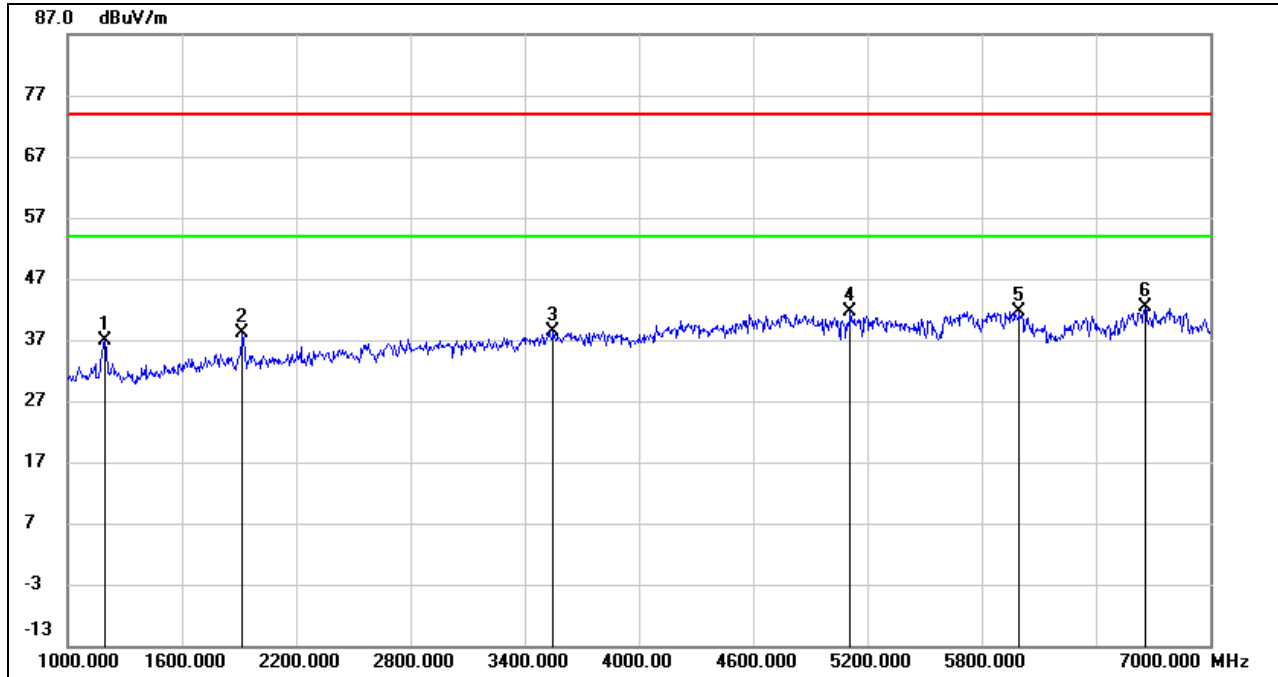
**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	48.02	-10.13	37.89	74.00	-36.11	peak
2	3736.000	47.04	-3.56	43.48	74.00	-30.52	peak
3	4630.000	40.66	-0.38	40.28	74.00	-33.72	peak
4	5410.000	42.24	1.90	44.14	74.00	-29.86	peak
5	6382.000	36.52	4.27	40.79	74.00	-33.21	peak
6	6598.000	35.94	5.49	41.43	74.00	-32.57	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

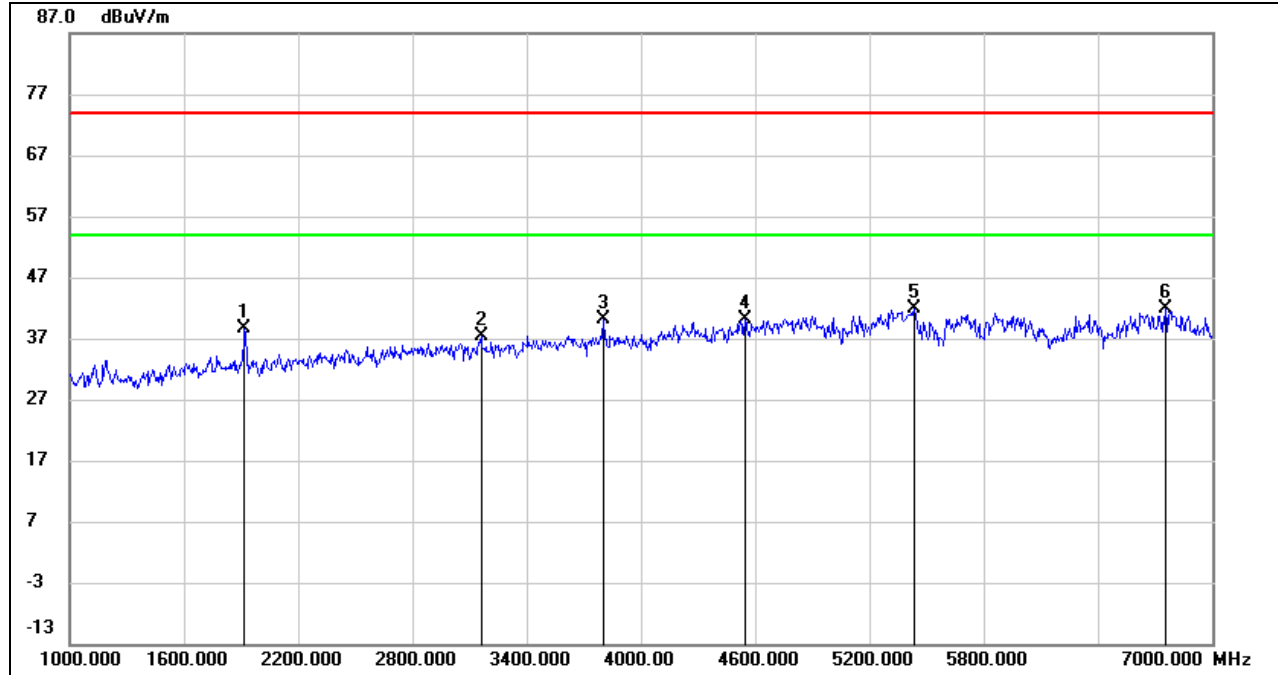
**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1192.000	49.99	-13.03	36.96	74.00	-37.04	peak
2	1918.000	48.27	-10.13	38.14	74.00	-35.86	peak
3	3550.000	42.77	-4.45	38.32	74.00	-35.68	peak
4	5110.000	40.02	1.55	41.57	74.00	-32.43	peak
5	5998.000	38.36	3.30	41.66	74.00	-32.34	peak
6	6658.000	36.98	5.51	42.49	74.00	-31.51	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	48.67	-10.13	38.54	74.00	-35.46	peak
2	3160.000	42.77	-5.32	37.45	74.00	-36.55	peak
3	3802.000	43.38	-3.27	40.11	74.00	-33.89	peak
4	4546.000	41.02	-0.93	40.09	74.00	-33.91	peak
5	5434.000	39.99	1.97	41.96	74.00	-32.04	peak
6	6754.000	36.38	5.56	41.94	74.00	-32.06	peak

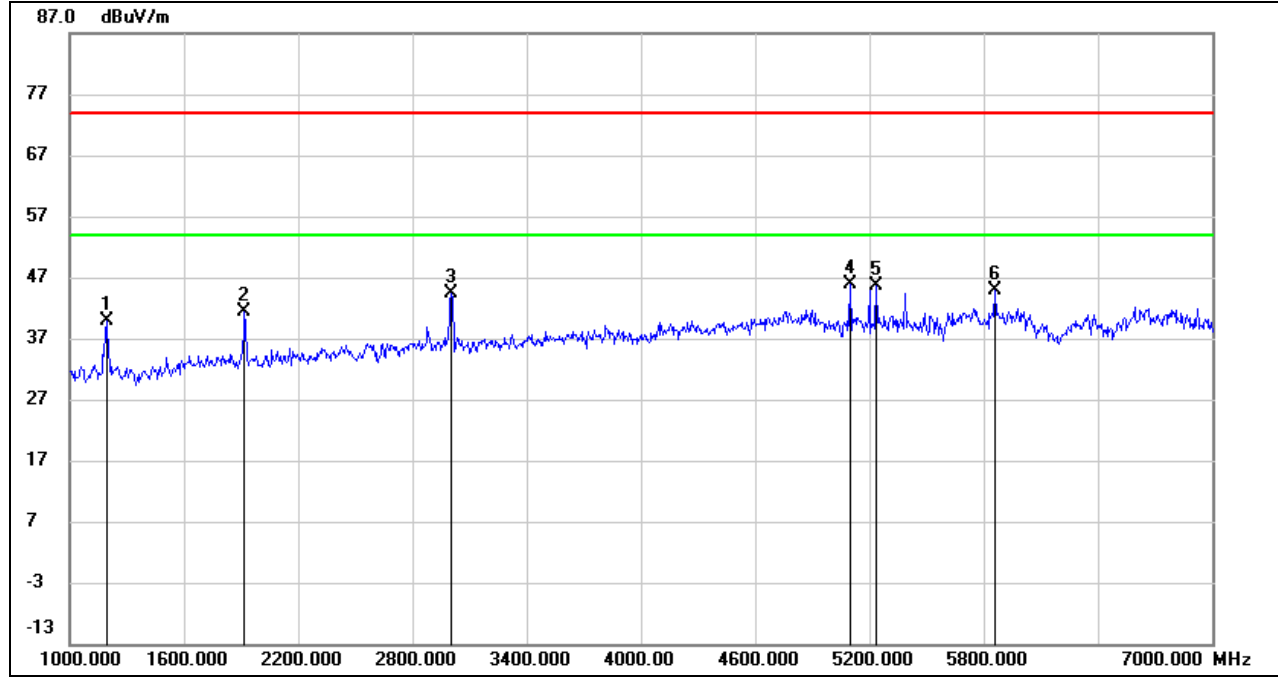
- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.





**STRADDLE CHANNEL 144**

**HARMONICS AND SPURIOUS EMISSIONS (HORIZONTAL)**

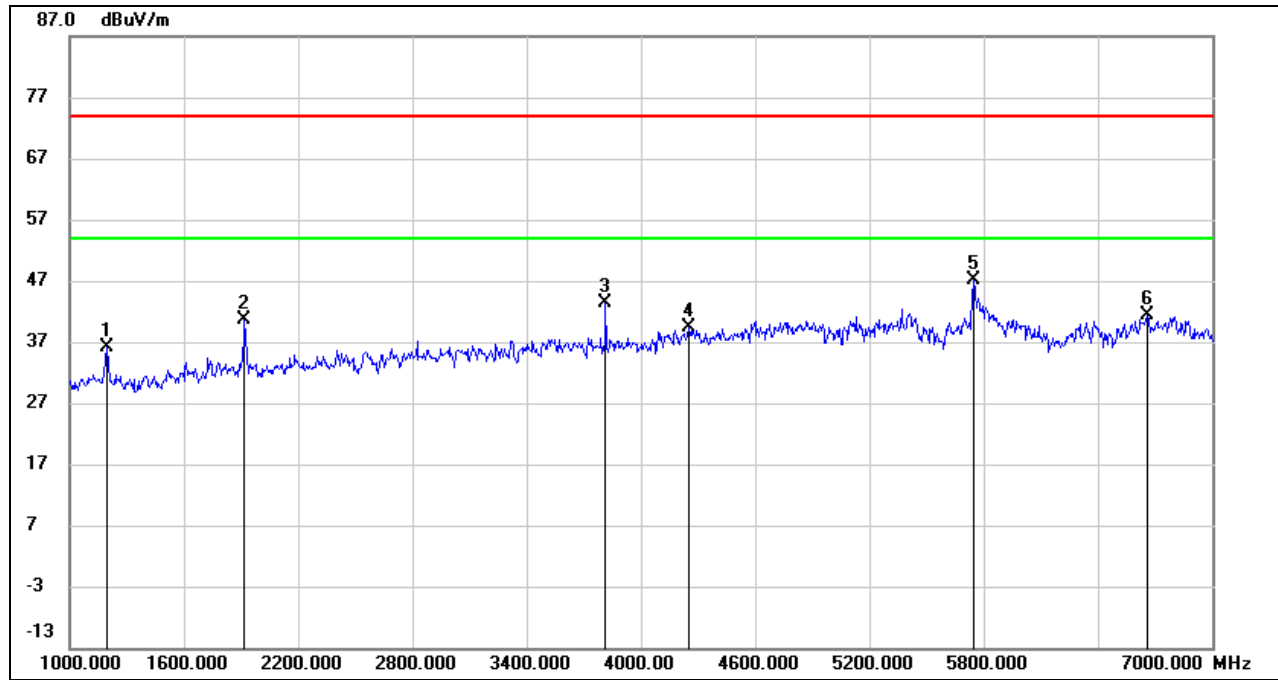


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1192.000	52.98	-13.03	39.95	74.00	-34.05	peak
2	1918.000	51.50	-10.13	41.37	74.00	-32.63	peak
3	3004.000	50.04	-5.59	44.45	74.00	-29.55	peak
4	5098.000	44.27	1.49	45.76	74.00	-28.24	peak
5	5236.000	43.65	2.05	45.70	74.00	-28.30	peak
6	5860.000	42.03	2.75	44.78	74.00	-29.22	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/T_{on}$ , where:  $T_{on}$  is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



**HARMONICS AND SPURIOUS EMISSIONS (VERTICAL)**

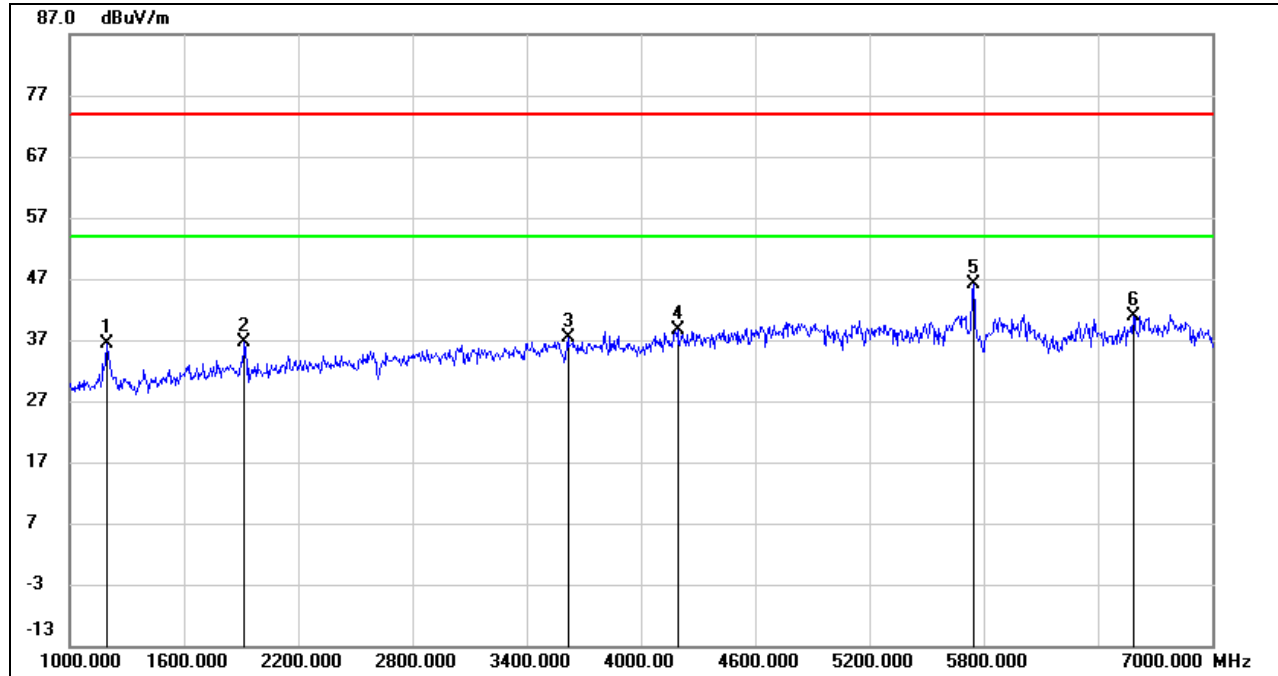


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1192.000	49.27	-13.03	36.24	74.00	-37.76	peak
2	1918.000	50.67	-10.13	40.54	74.00	-33.46	peak
3	3814.000	46.63	-3.28	43.35	74.00	-30.65	peak
4	4252.000	41.08	-1.73	39.35	74.00	-34.65	peak
5	5746.000	44.57	2.50	47.07	74.00	-26.93	peak
6	6658.000	35.83	5.51	41.34	74.00	-32.66	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**UNII-3 BAND**

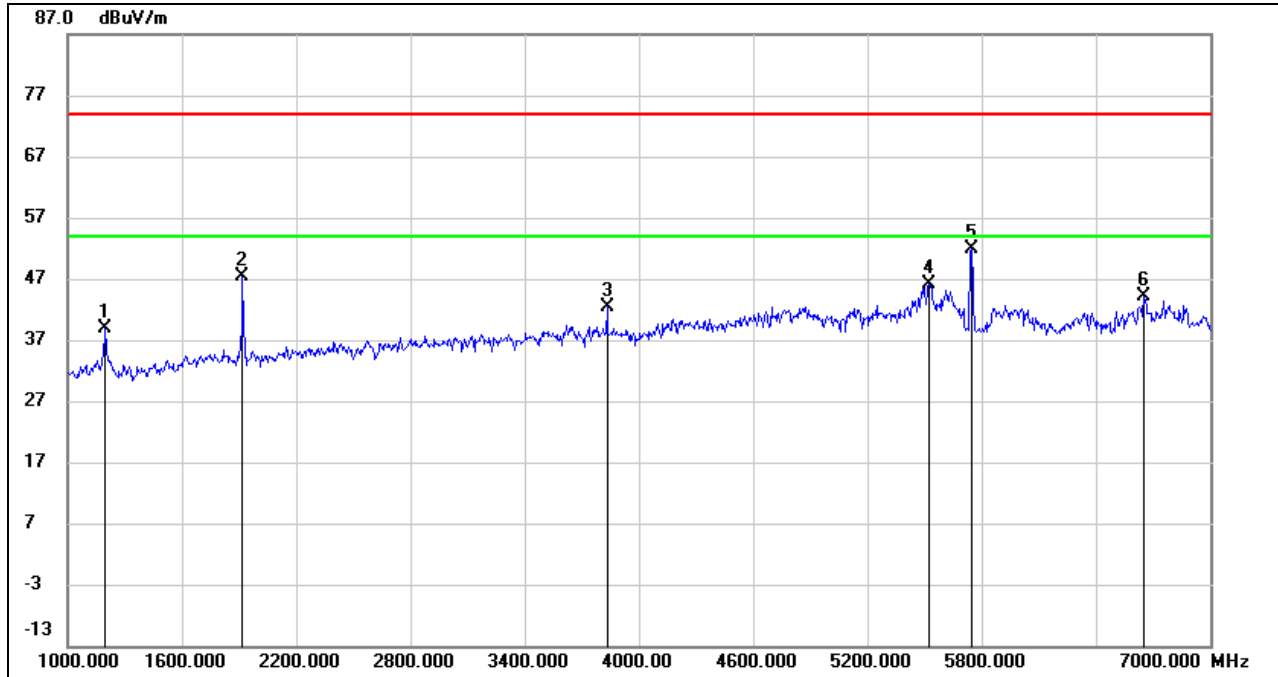
**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1192.000	49.44	-13.03	36.41	74.00	-37.59	peak
2	1918.000	46.64	-10.13	36.51	74.00	-37.49	peak
3	3616.000	41.48	-4.12	37.36	74.00	-36.64	peak
4	4192.000	40.35	-1.74	38.61	74.00	-35.39	peak
5	5745.000	43.70	2.49	46.19	74.00	-27.81	peak
6	6586.000	35.56	5.41	40.97	74.00	-33.03	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

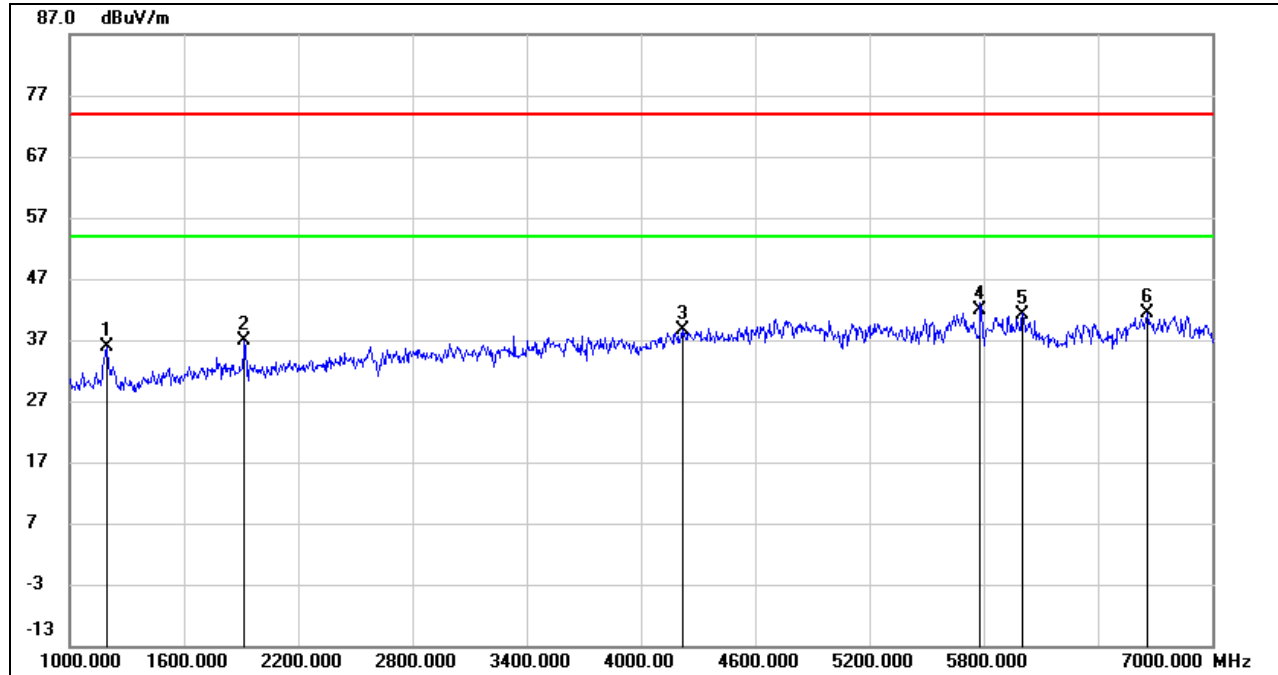
**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1198.000	51.83	-13.00	38.83	74.00	-35.17	peak
2	1918.000	57.42	-10.13	47.29	74.00	-26.71	peak
3	3832.000	45.62	-3.32	42.30	74.00	-31.70	peak
4	5524.000	43.91	2.23	46.14	74.00	-27.86	peak
5	5745.000	49.51	2.49	52.00	74.00	-22.00	peak
6	6652.000	38.50	5.52	44.02	74.00	-29.98	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

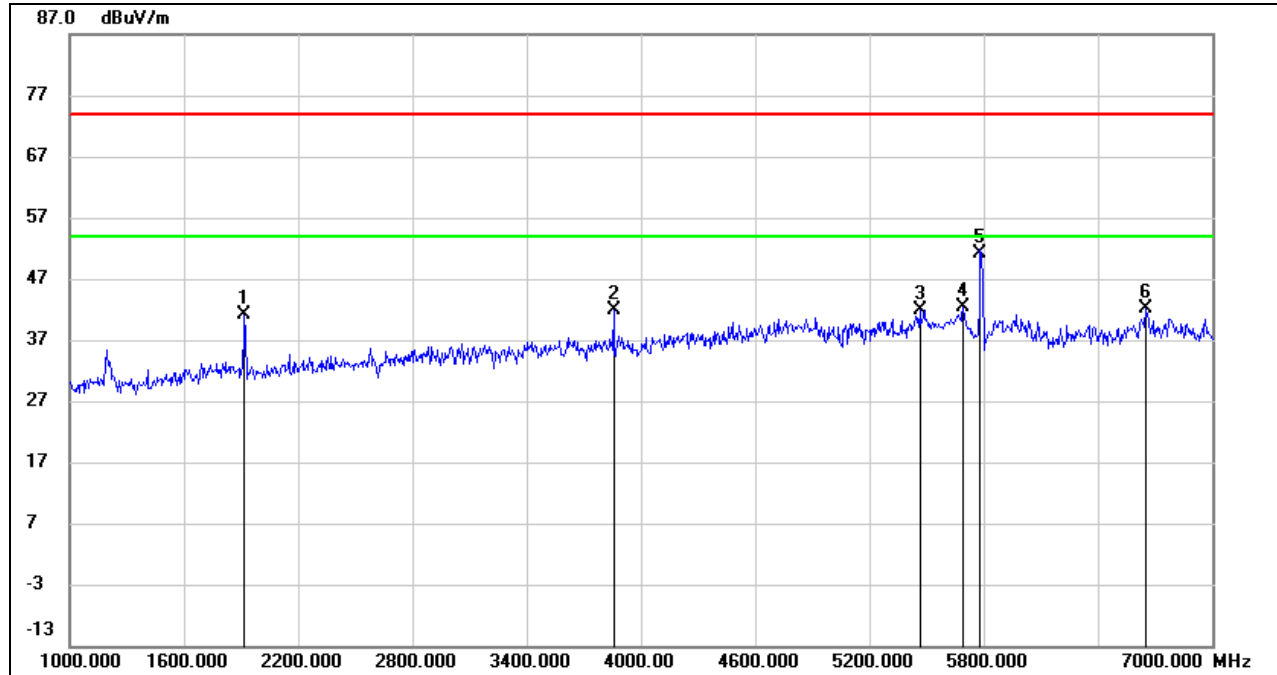
**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1192.000	48.97	-13.03	35.94	74.00	-38.06	peak
2	1918.000	47.09	-10.13	36.96	74.00	-37.04	peak
3	4216.000	40.32	-1.69	38.63	74.00	-35.37	peak
4	5785.000	39.38	2.50	41.88	74.00	-32.12	peak
5	6004.000	37.95	3.30	41.25	74.00	-32.75	peak
6	6658.000	35.94	5.51	41.45	74.00	-32.55	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

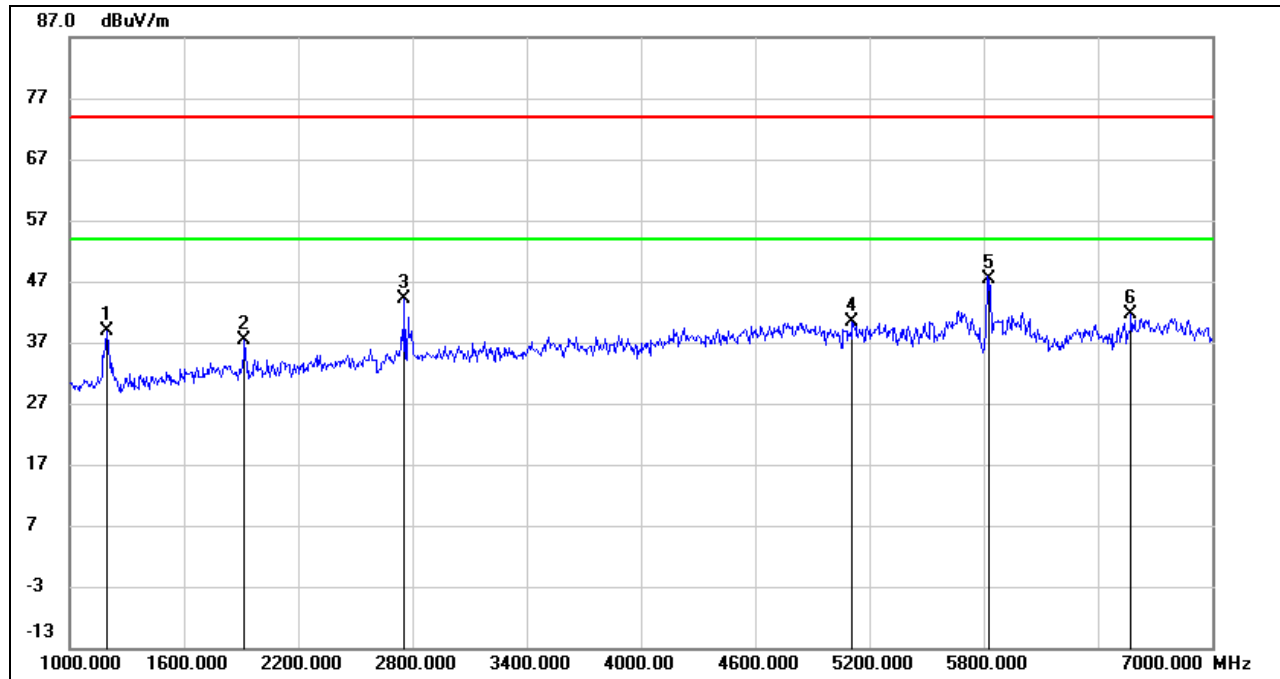
### HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1918.000	51.32	-10.13	41.19	74.00	-32.81	peak
2	3856.000	45.19	-3.36	41.83	74.00	-32.17	peak
3	5464.000	39.89	2.06	41.95	74.00	-32.05	peak
4	5692.000	39.88	2.47	42.35	74.00	-31.65	peak
5	5785.000	48.75	2.50	51.25	74.00	-22.75	peak
6	6652.000	36.57	5.52	42.09	74.00	-31.91	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

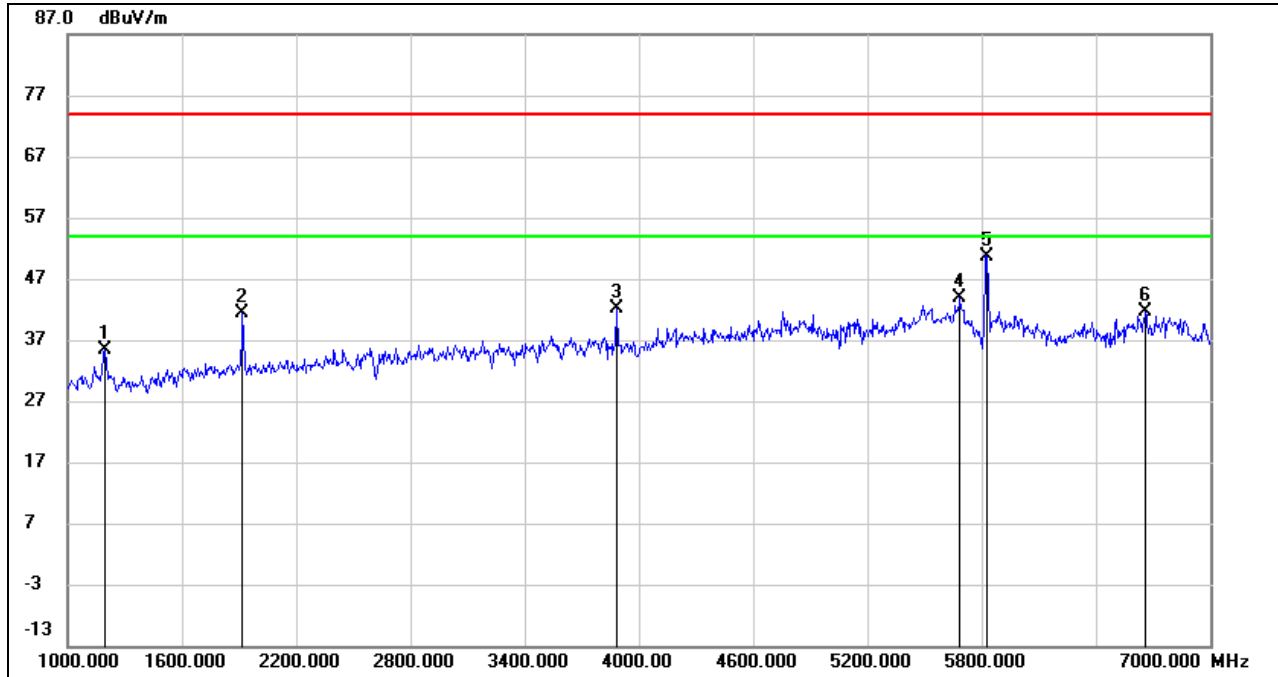
### HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1192.000	51.93	-13.03	38.90	74.00	-35.10	peak
2	1918.000	47.40	-10.13	37.27	74.00	-36.73	peak
3	2758.000	51.03	-6.82	44.21	74.00	-29.79	peak
4	5110.000	38.75	1.55	40.30	74.00	-33.70	peak
5	5825.000	44.87	2.61	47.48	74.00	-26.52	peak
6	6574.000	36.31	5.34	41.65	74.00	-32.35	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1198.000	48.33	-13.00	35.33	74.00	-38.67	peak
2	1918.000	51.63	-10.13	41.50	74.00	-32.50	peak
3	3886.000	45.59	-3.41	42.18	74.00	-31.82	peak
4	5686.000	41.50	2.47	43.97	74.00	-30.03	peak
5	5825.000	48.06	2.61	50.67	74.00	-23.33	peak
6	6658.000	36.16	5.51	41.67	74.00	-32.33	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

Note: All the modes and antennas had been tested, but only the worst data was recorded in the report.



### 8.3. SPURIOUS EMISSIONS (7 GHz ~ 18 GHz)

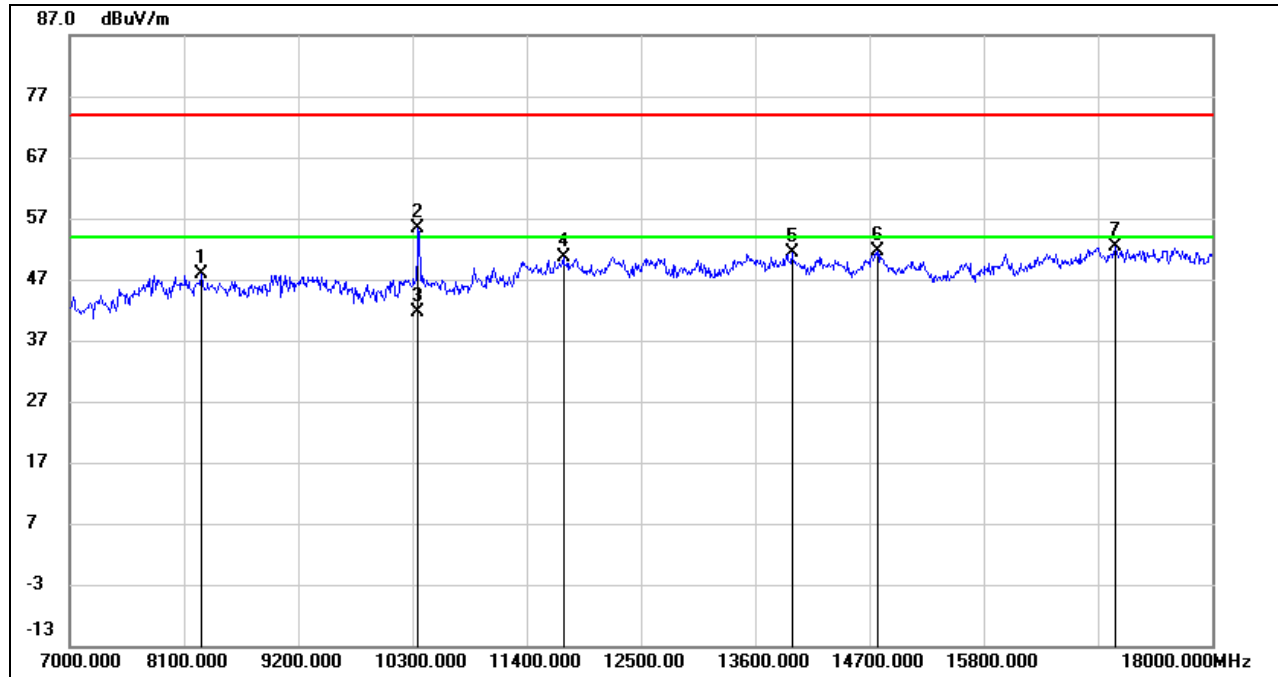
**KTC ANTENNA:**

**8.3.1. 802.11a SISO MODE**

**ANTENNA 1 TEST RESULTS (WORST CASE)**

**UNII-1 BAND**

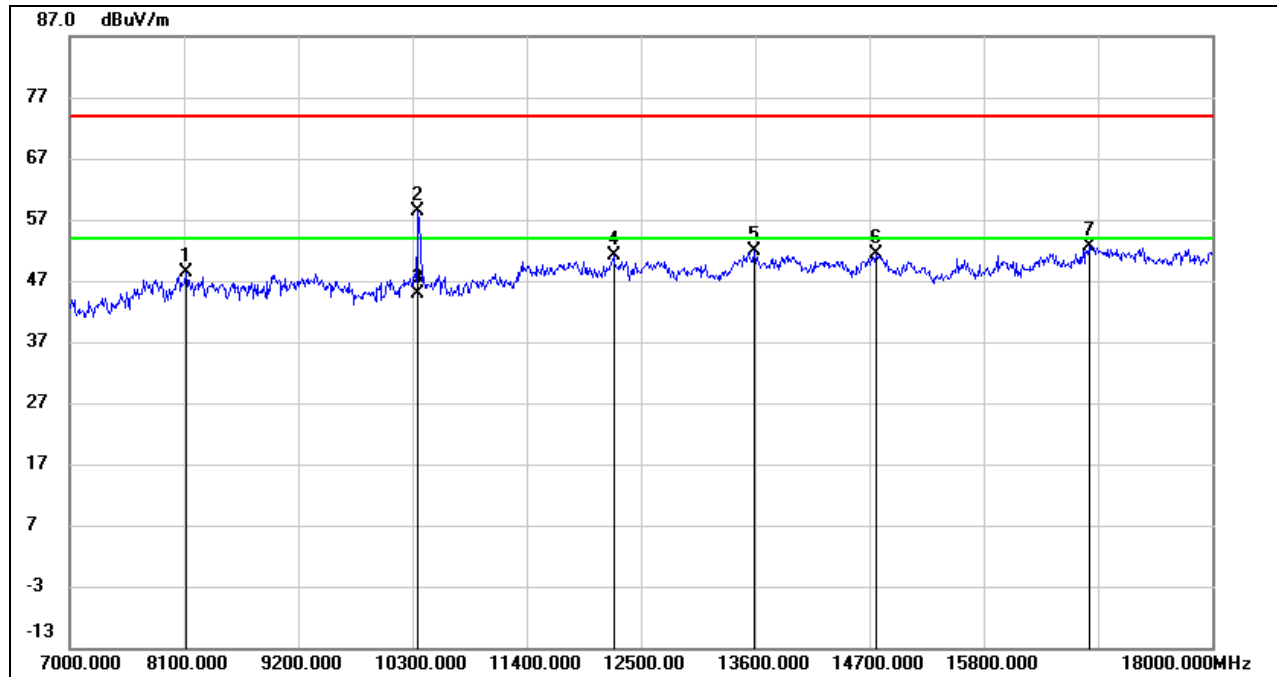
**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8265.000	38.03	9.73	47.76	74.00	-26.24	peak
2	10355.000	43.45	12.04	55.49	74.00	-18.51	peak
3	10355.000	29.67	12.04	41.71	54.00	-12.29	AVG
4	11752.000	35.28	15.29	50.57	74.00	-23.43	peak
5	13952.000	33.70	17.60	51.30	74.00	-22.70	peak
6	14777.000	33.76	17.96	51.72	74.00	-22.28	peak
7	17065.000	30.77	21.67	52.44	74.00	-21.56	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

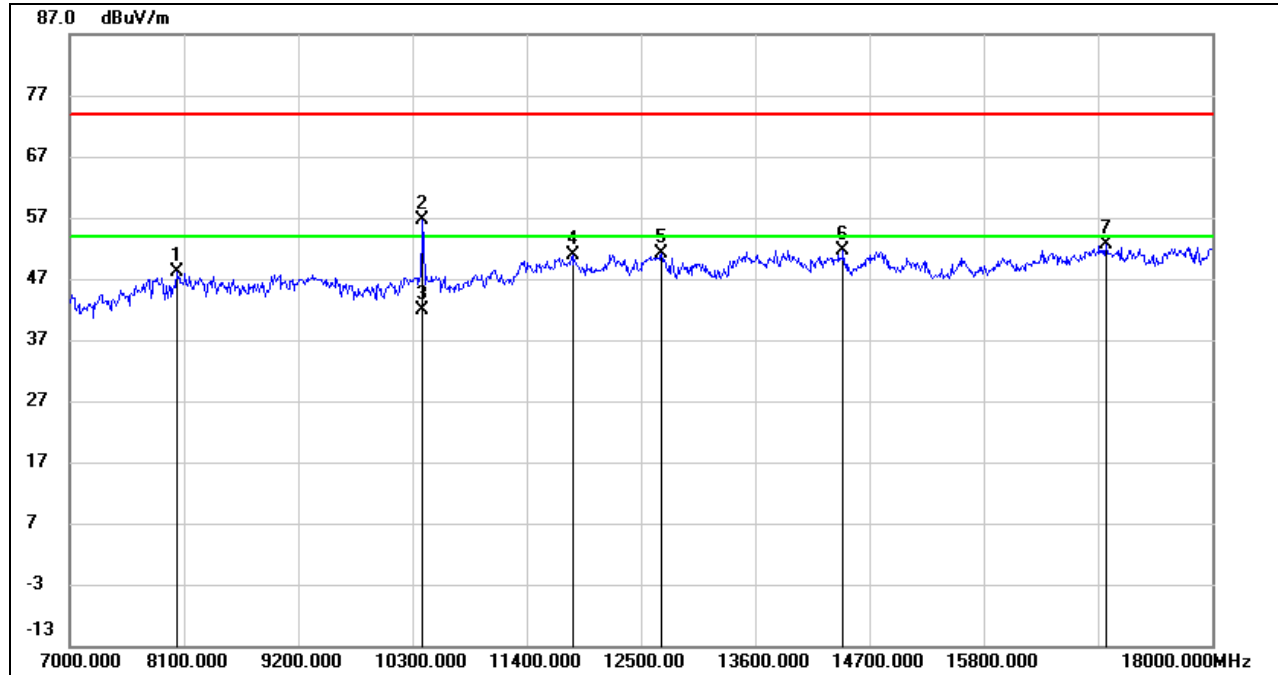
**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8122.000	38.31	10.10	48.41	74.00	-25.59	peak
2	10355.000	46.37	12.04	58.41	74.00	-15.59	peak
3	10355.000	32.78	12.04	44.82	54.00	-9.18	AVG
4	12236.000	35.15	16.01	51.16	74.00	-22.84	peak
5	13589.000	34.73	17.11	51.84	74.00	-22.16	peak
6	14766.000	33.53	17.92	51.45	74.00	-22.55	peak
7	16812.000	31.80	20.81	52.61	74.00	-21.39	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

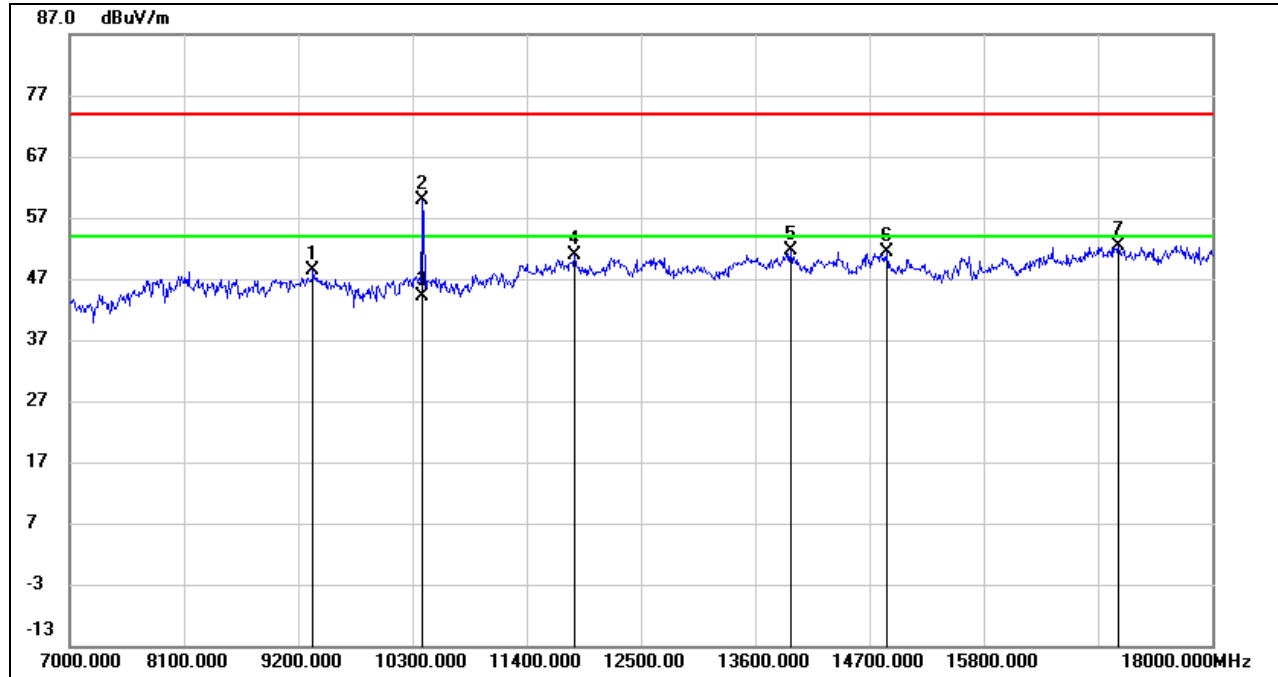
**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8034.000	39.05	9.15	48.20	74.00	-25.80	peak
2	10399.000	44.42	12.23	56.65	74.00	-17.35	peak
3	10399.000	29.73	12.23	41.96	54.00	-12.04	AVG
4	11840.000	35.42	15.35	50.77	74.00	-23.23	peak
5	12698.000	35.57	15.62	51.19	74.00	-22.81	peak
6	14447.000	34.28	17.31	51.59	74.00	-22.41	peak
7	16977.000	31.21	21.31	52.52	74.00	-21.48	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

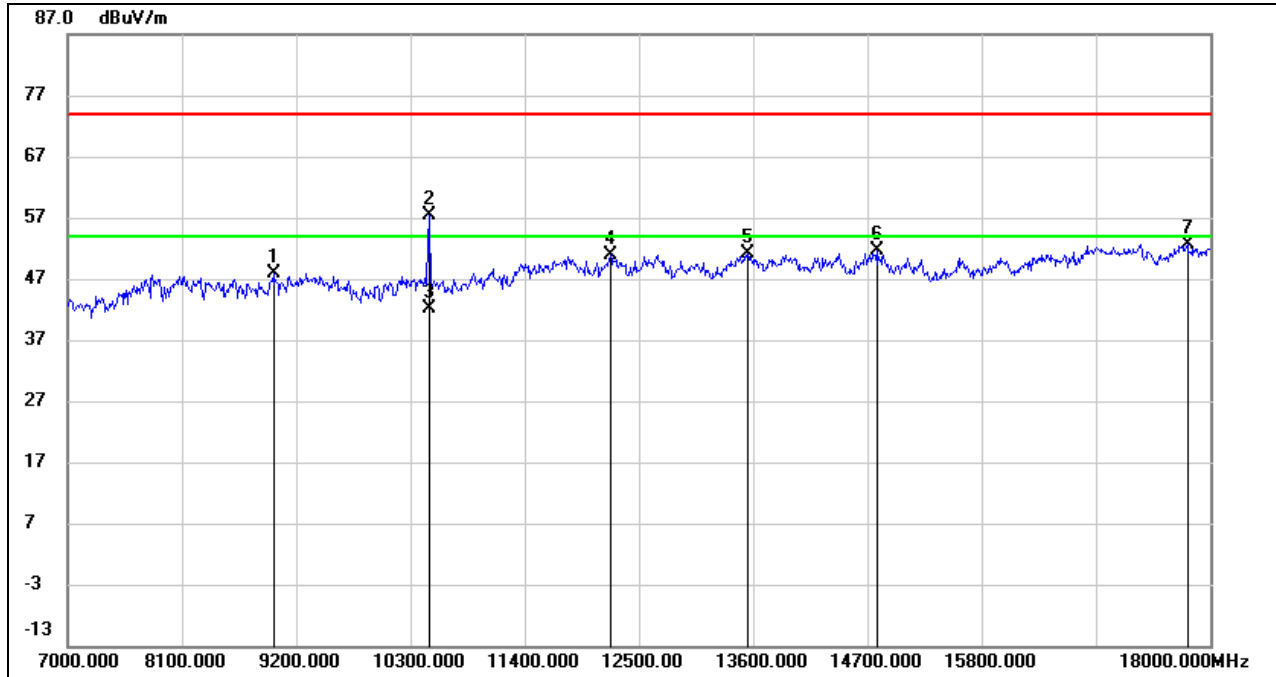
**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9343.000	37.64	10.64	48.28	74.00	-25.72	peak
2	10399.000	47.74	12.23	59.97	74.00	-14.03	peak
3	10399.000	32.02	12.23	44.25	54.00	-9.75	AVG
4	11862.000	35.53	15.41	50.94	74.00	-23.06	peak
5	13941.000	34.03	17.58	51.61	74.00	-22.39	peak
6	14865.000	33.86	17.61	51.47	74.00	-22.53	peak
7	17098.000	30.48	21.89	52.37	74.00	-21.63	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

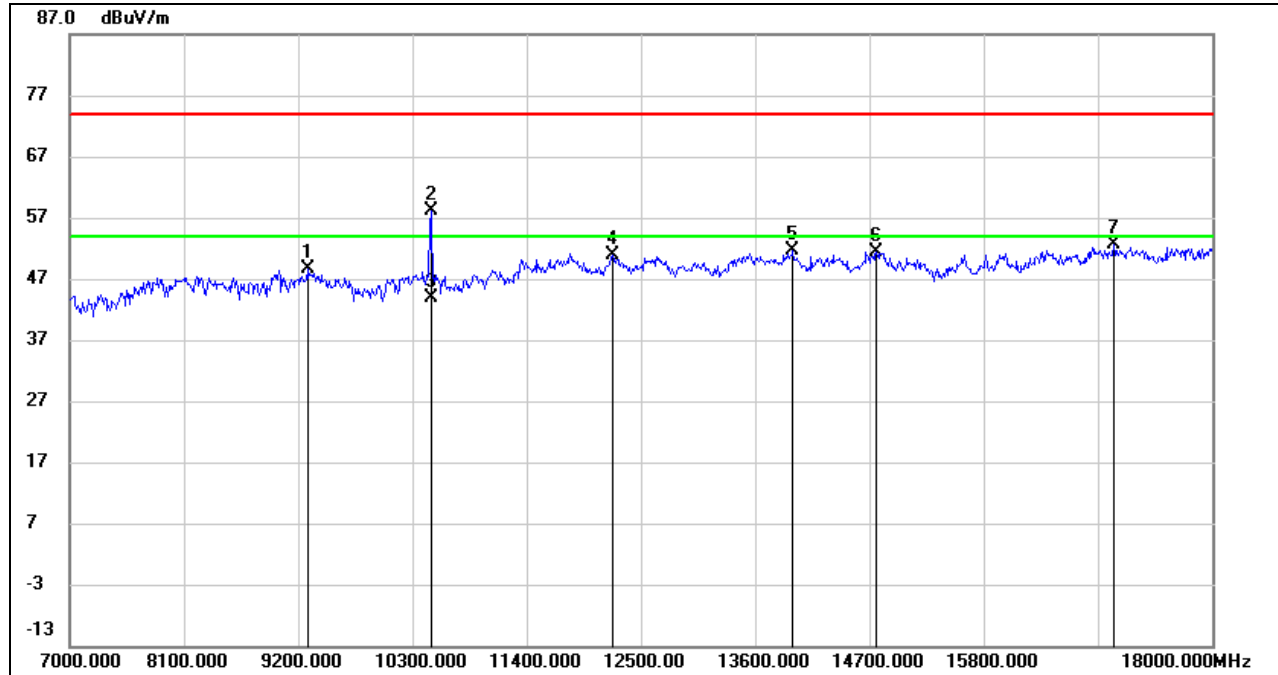
**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8980.000	37.01	10.89	47.90	74.00	-26.10	peak
2	10476.000	45.07	12.33	57.40	74.00	-16.60	peak
3	10476.000	29.92	12.33	42.25	54.00	-11.75	AVG
4	12225.000	34.91	15.99	50.90	74.00	-23.10	peak
5	13545.000	33.93	17.16	51.09	74.00	-22.91	peak
6	14799.000	33.67	18.04	51.71	74.00	-22.29	peak
7	17780.000	28.64	23.94	52.58	74.00	-21.42	peak

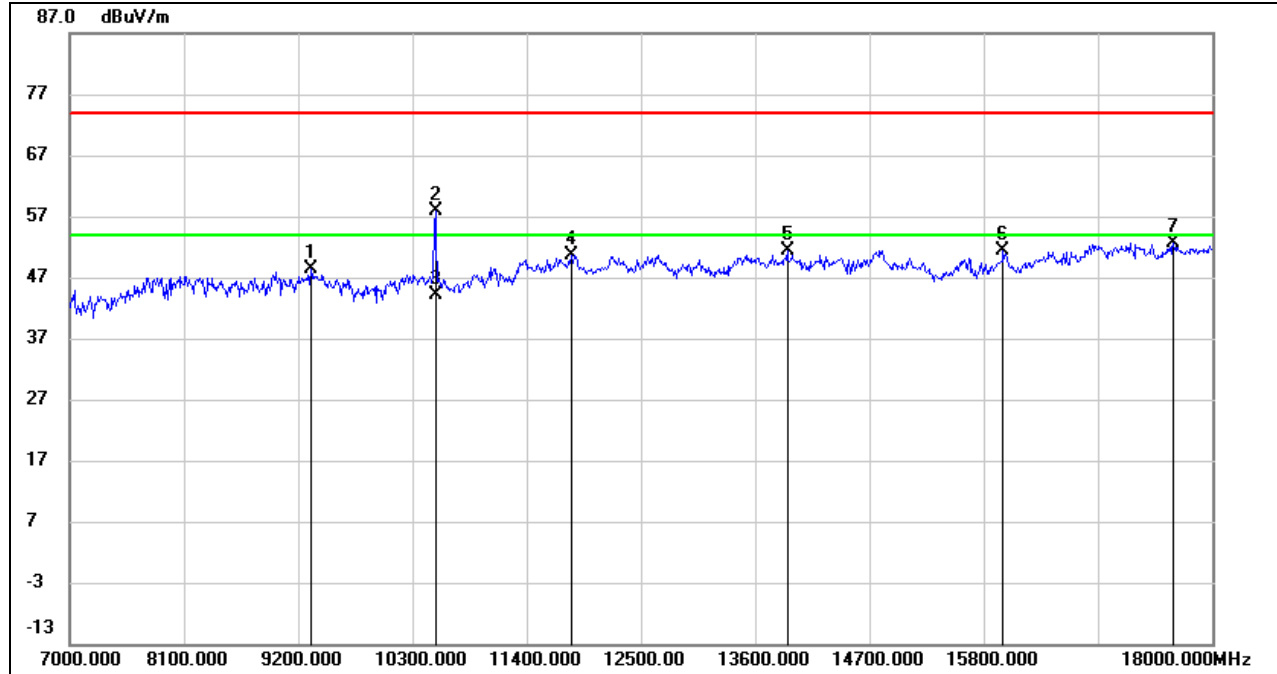
- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9288.000	38.26	10.34	48.60	74.00	-25.40	peak
2	10476.000	45.87	12.33	58.20	74.00	-15.80	peak
3	10476.000	31.55	12.33	43.88	54.00	-10.12	AVG
4	12225.000	34.89	15.99	50.88	74.00	-23.12	peak
5	13963.000	33.92	17.61	51.53	74.00	-22.47	peak
6	14766.000	33.44	17.92	51.36	74.00	-22.64	peak
7	17054.000	31.14	21.59	52.73	74.00	-21.27	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**UNII-2A BAND**
**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)**


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9321.000	37.88	10.52	48.40	74.00	-25.60	peak
2	10520.000	45.50	12.43	57.93	74.00	-16.07	peak
3	10520.000	31.65	12.43	44.08	54.00	-9.92	AVG
4	11829.000	35.31	15.32	50.63	74.00	-23.37	peak
5	13908.000	33.75	17.54	51.29	74.00	-22.71	peak
6	15987.000	33.09	18.37	51.46	74.00	-22.54	peak
7	17626.000	29.77	22.92	52.69	74.00	-21.31	peak

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.

5. For the transmitting duration, please refer to clause 7.1.

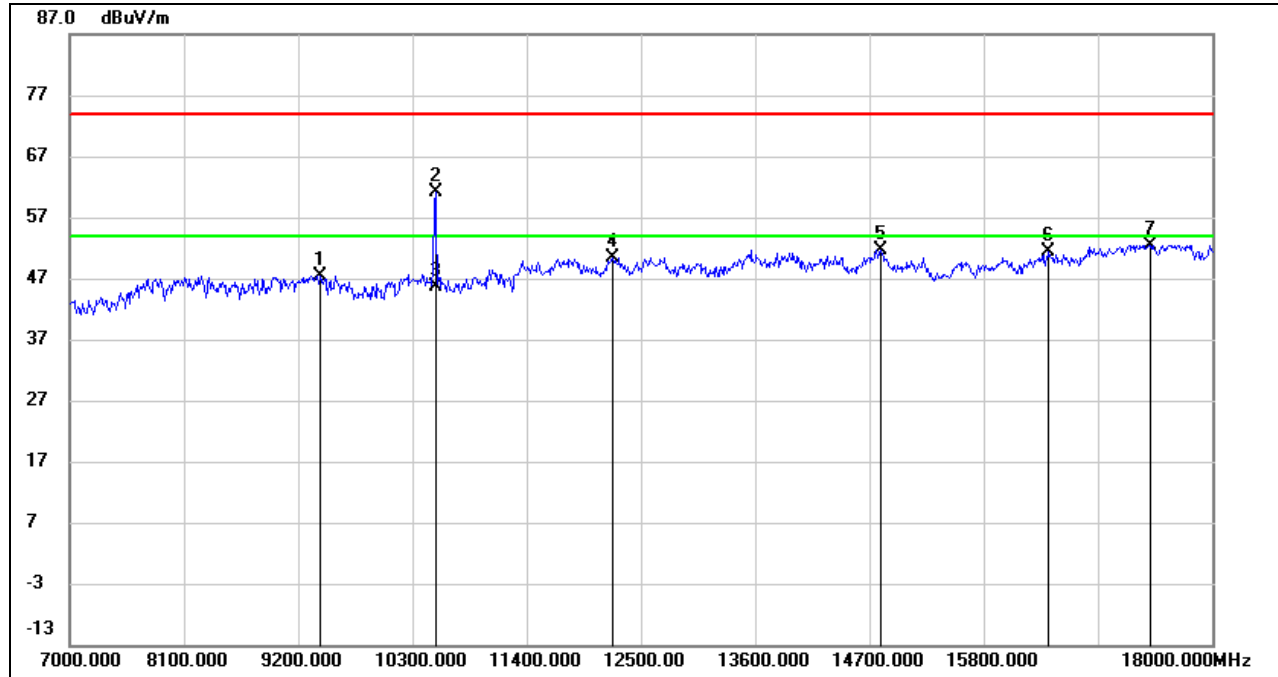
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)**

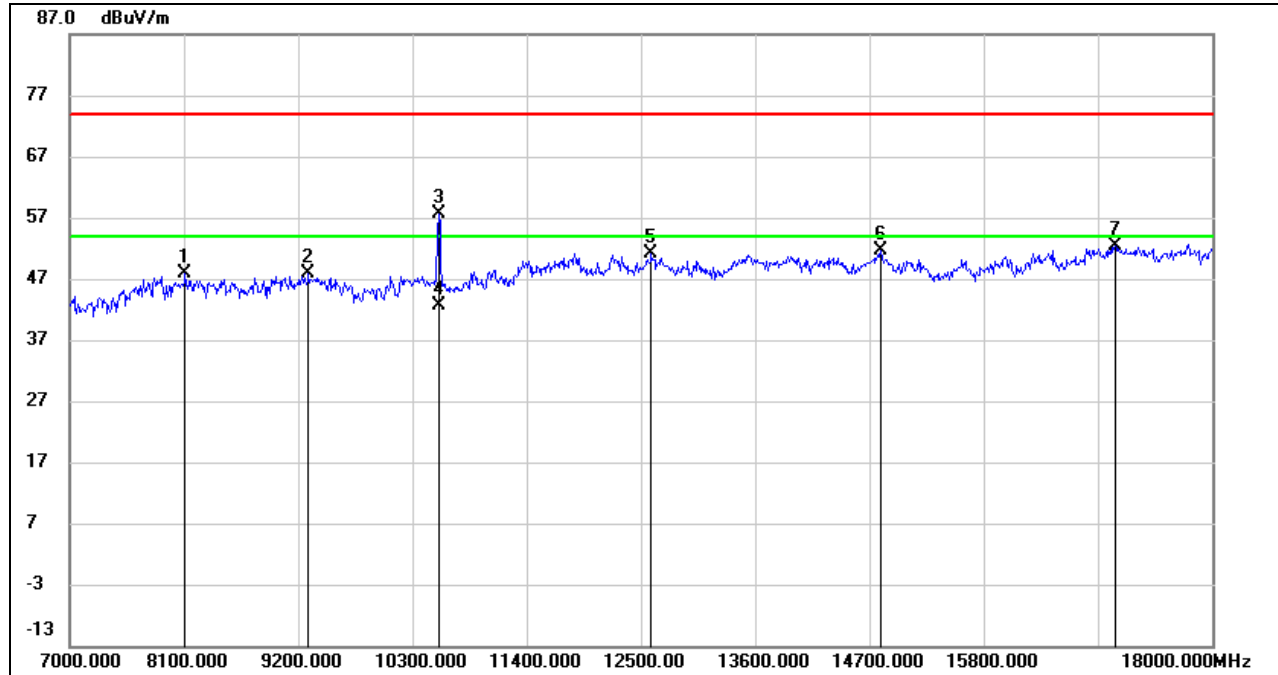


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9409.000	36.56	10.94	47.50	74.00	-26.50	peak
2	10520.000	48.77	12.43	61.20	74.00	-12.80	peak
3	10520.000	33.22	12.43	45.65	54.00	-8.35	AVG
4	12225.000	34.46	15.99	50.45	74.00	-23.55	peak
5	14810.000	33.70	17.97	51.67	74.00	-22.33	peak
6	16427.000	31.67	19.68	51.35	74.00	-22.65	peak
7	17406.000	30.59	21.88	52.47	74.00	-21.53	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



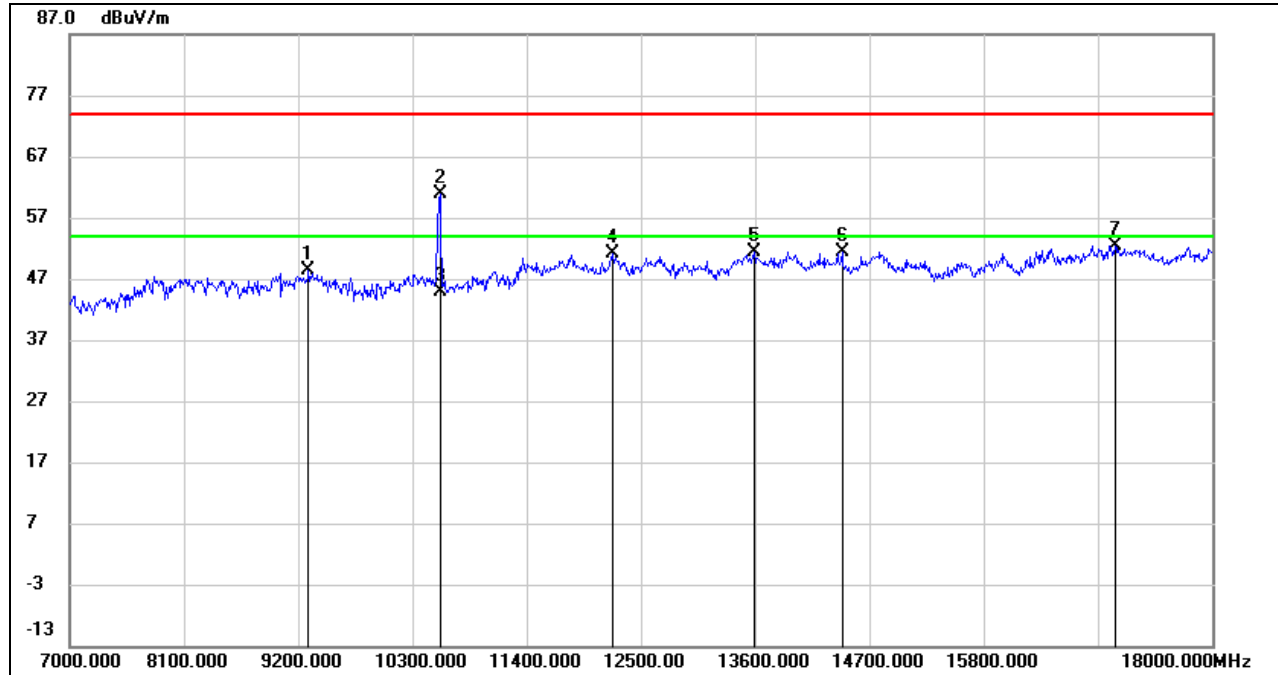
**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8111.000	37.68	10.14	47.82	74.00	-26.18	peak
2	9299.000	37.49	10.40	47.89	74.00	-26.11	peak
3	10553.000	45.08	12.53	57.61	74.00	-16.39	peak
4	10553.000	30.15	12.53	42.68	54.00	-11.32	AVG
5	12599.000	35.31	15.78	51.09	74.00	-22.91	peak
6	14810.000	33.75	17.97	51.72	74.00	-22.28	peak
7	17065.000	30.65	21.67	52.32	74.00	-21.68	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

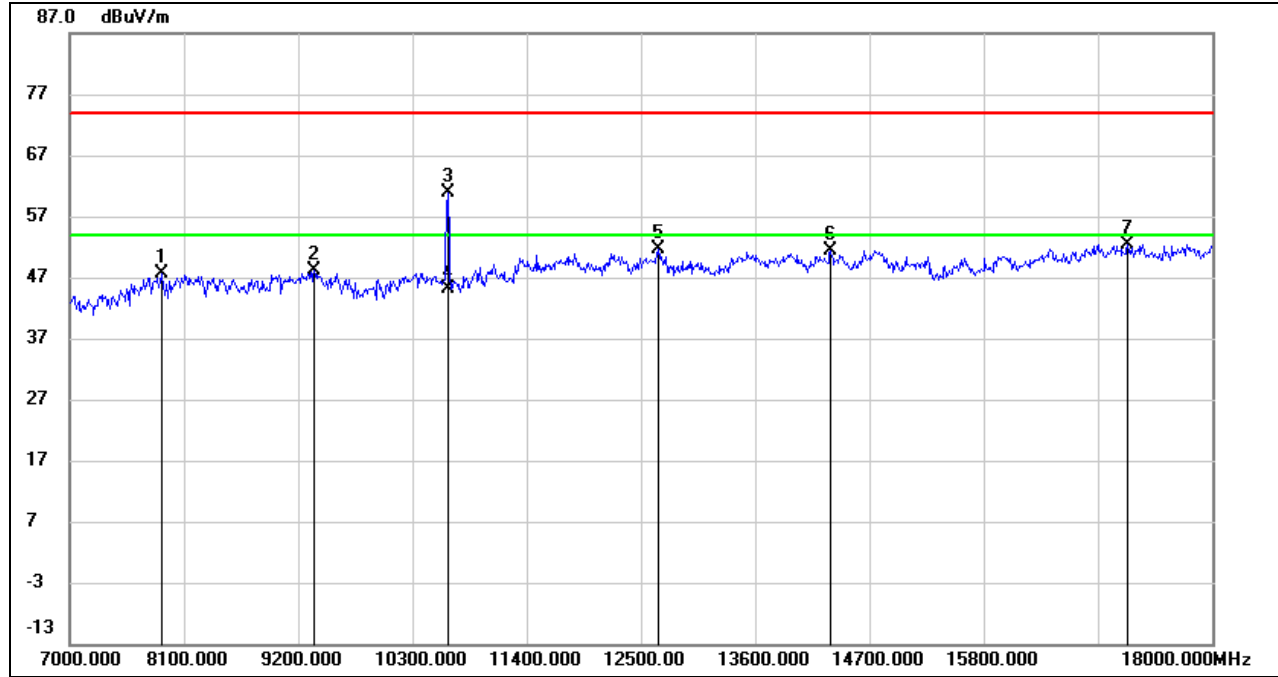
**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9299.000	37.97	10.40	48.37	74.00	-25.63	peak
2	10564.000	48.39	12.57	60.96	74.00	-13.04	peak
3	10564.000	32.27	12.57	44.84	54.00	-9.16	AVG
4	12225.000	35.02	15.99	51.01	74.00	-22.99	peak
5	13589.000	34.19	17.11	51.30	74.00	-22.70	peak
6	14436.000	34.14	17.33	51.47	74.00	-22.53	peak
7	17065.000	30.78	21.67	52.45	74.00	-21.55	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

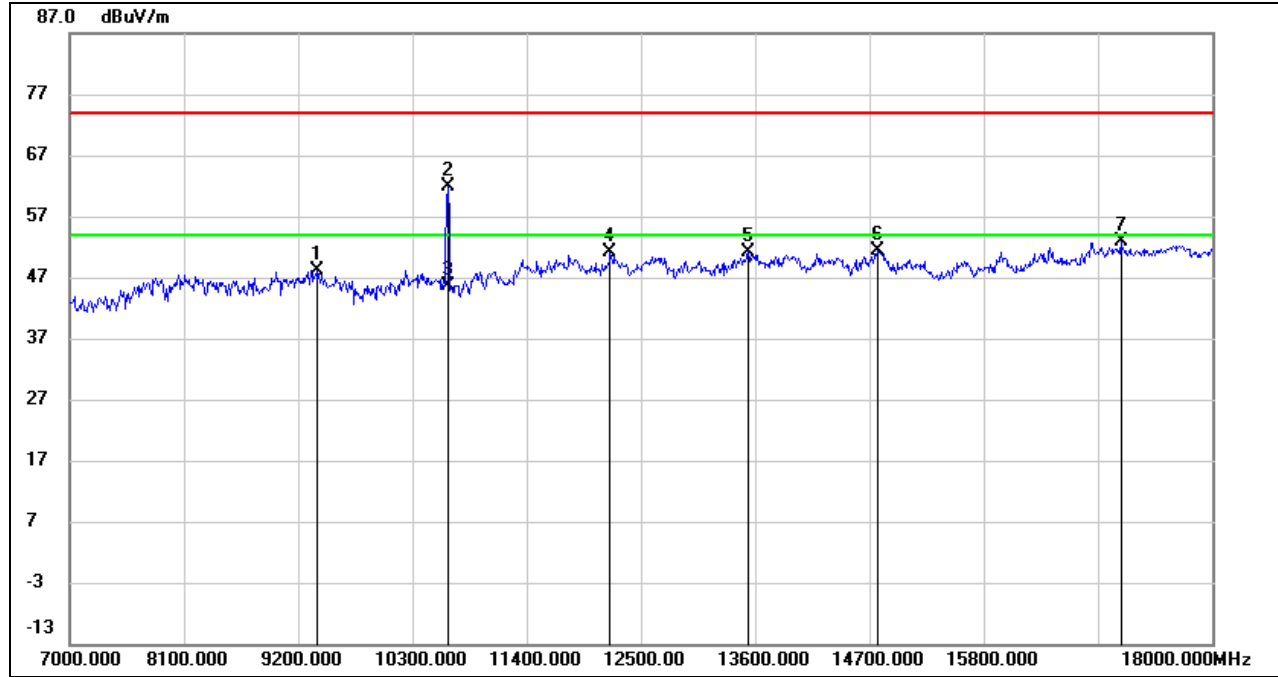
**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7880.000	38.62	8.95	47.57	74.00	-26.43	peak
2	9354.000	37.49	10.70	48.19	74.00	-25.81	peak
3	10641.000	48.00	12.77	60.77	74.00	-13.23	peak
4	10641.000	32.34	12.77	45.11	54.00	-8.89	AVG
5	12665.000	35.93	15.68	51.61	74.00	-22.39	peak
6	14326.000	33.46	17.93	51.39	74.00	-22.61	peak
7	17186.000	30.37	21.98	52.35	74.00	-21.65	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/T_{on}$ , where:  $T_{on}$  is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)**

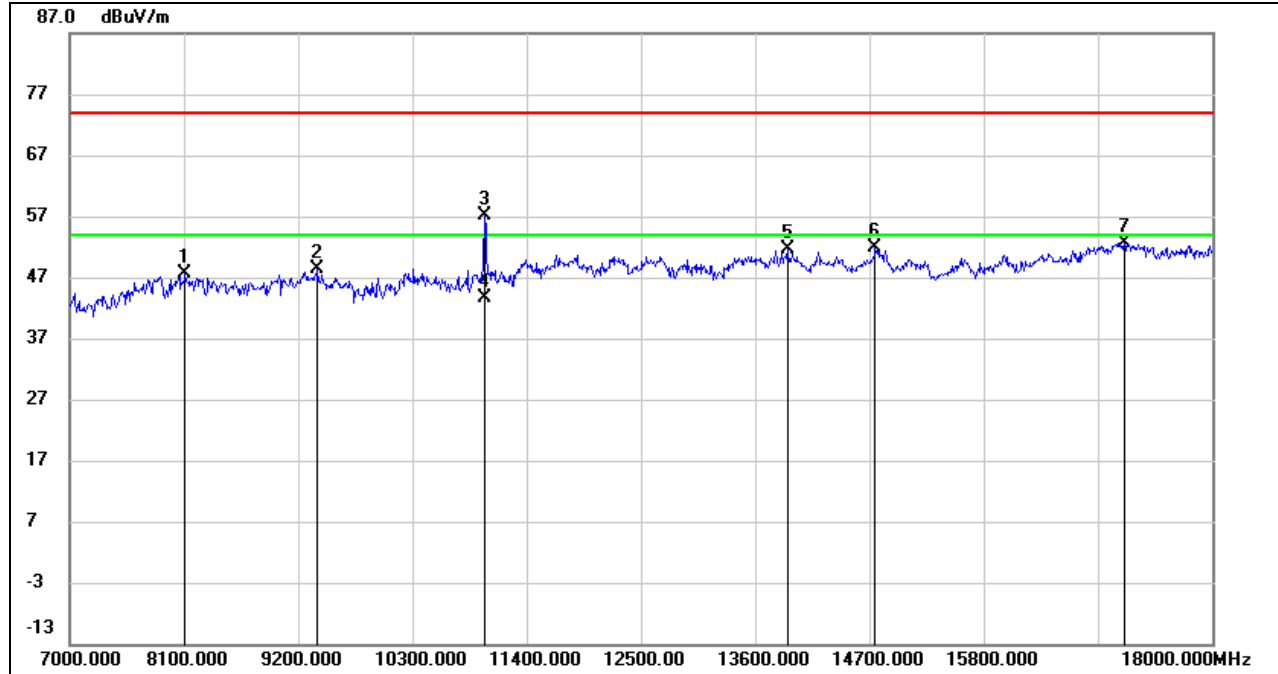


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9376.000	37.38	10.84	48.22	74.00	-25.78	peak
2	10641.000	49.11	12.77	61.88	68.2	-6.32	peak
3	10641.000	32.78	12.77	/	/	/	AVG
4	12203.000	35.24	15.95	51.19	74.00	-22.81	peak
5	13534.000	34.07	17.18	51.25	74.00	-22.75	peak
6	14777.000	33.40	17.96	51.36	74.00	-22.64	peak
7	17120.000	30.88	21.92	52.80	74.00	-21.20	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/T_{on}$ , where:  $T_{on}$  is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**UNII-2C BAND**

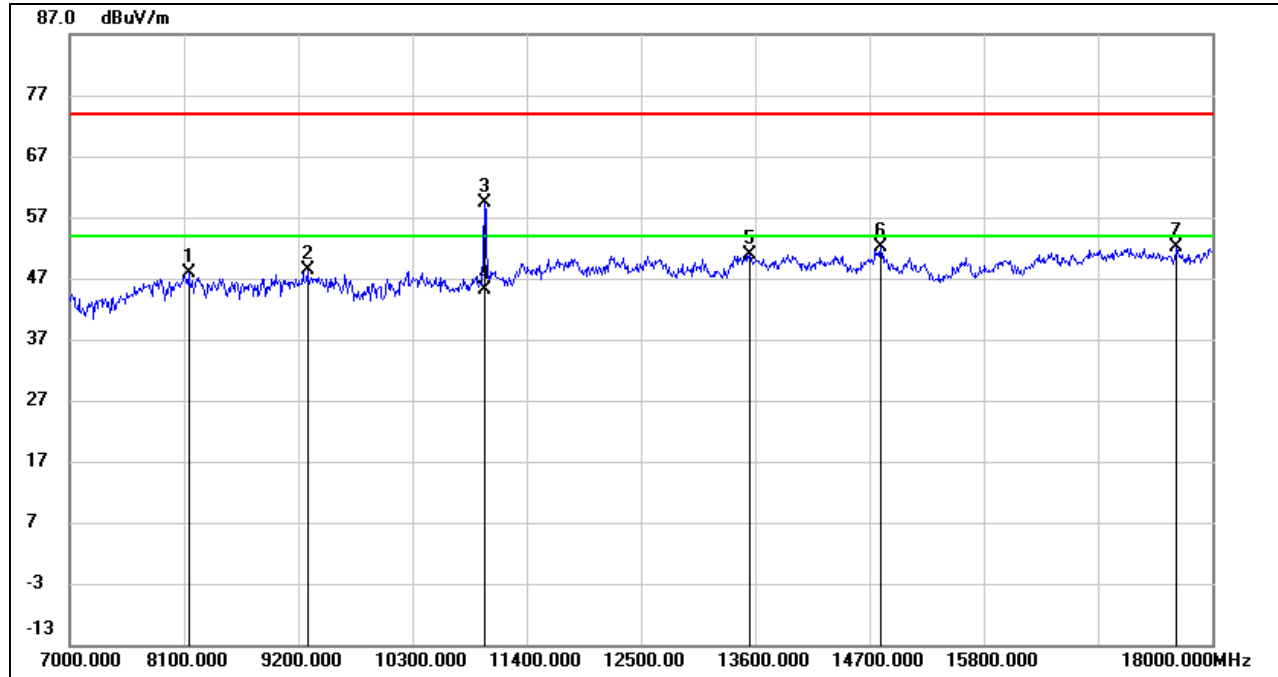
**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8111.000	37.39	10.14	47.53	74.00	-26.47	peak
2	9387.000	37.55	10.89	48.44	74.00	-25.56	peak
3	10993.000	43.80	13.31	57.11	68.2	-11.09	peak
4	10993.000	30.28	13.31	43.59	/	/	AVG
5	13908.000	34.11	17.54	51.65	74.00	-22.35	peak
6	14755.000	34.01	17.88	51.89	74.00	-22.11	peak
7	17153.000	30.66	21.95	52.61	74.00	-21.39	peak

Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

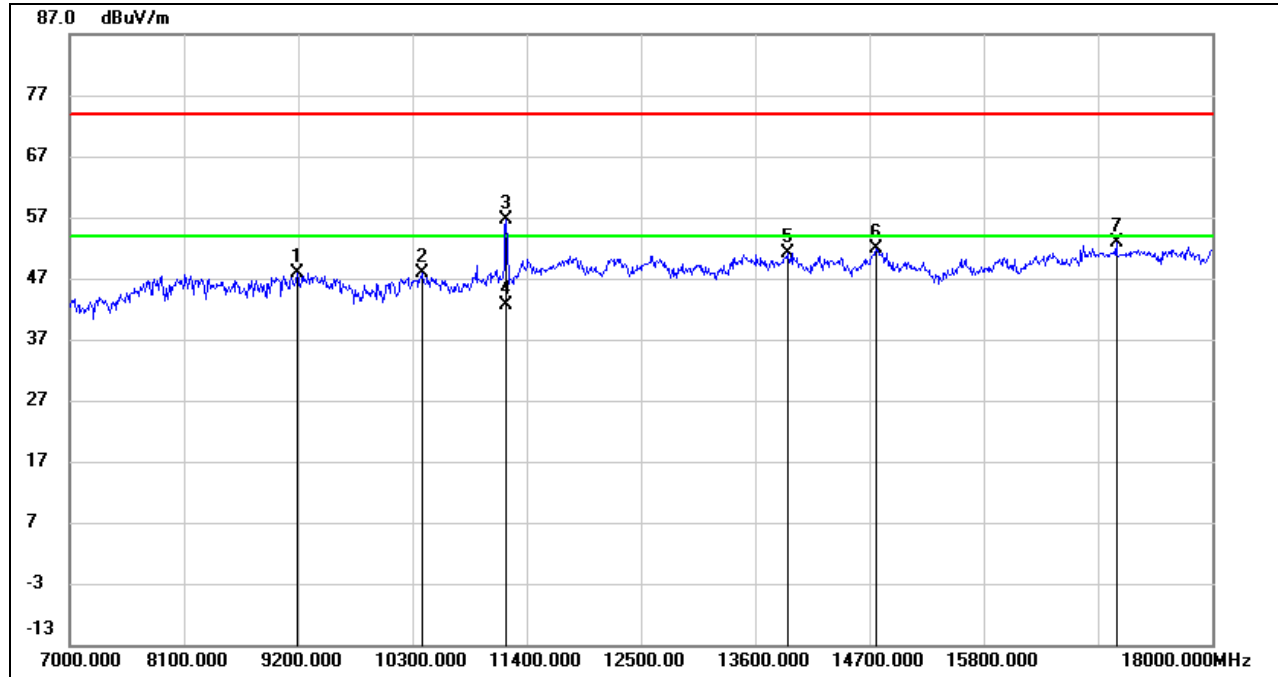
**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8144.000	37.95	10.02	47.97	74.00	-26.03	peak
2	9288.000	37.97	10.34	48.31	74.00	-25.69	peak
3	10993.000	46.10	13.31	59.41	68.2	-8.79	peak
4	10993.000	31.72	13.31	45.03	/	/	AVG
5	13545.000	33.65	17.16	50.81	74.00	-23.19	peak
6	14810.000	34.09	17.97	52.06	74.00	-21.94	peak
7	17659.000	28.87	23.17	52.04	74.00	-21.96	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

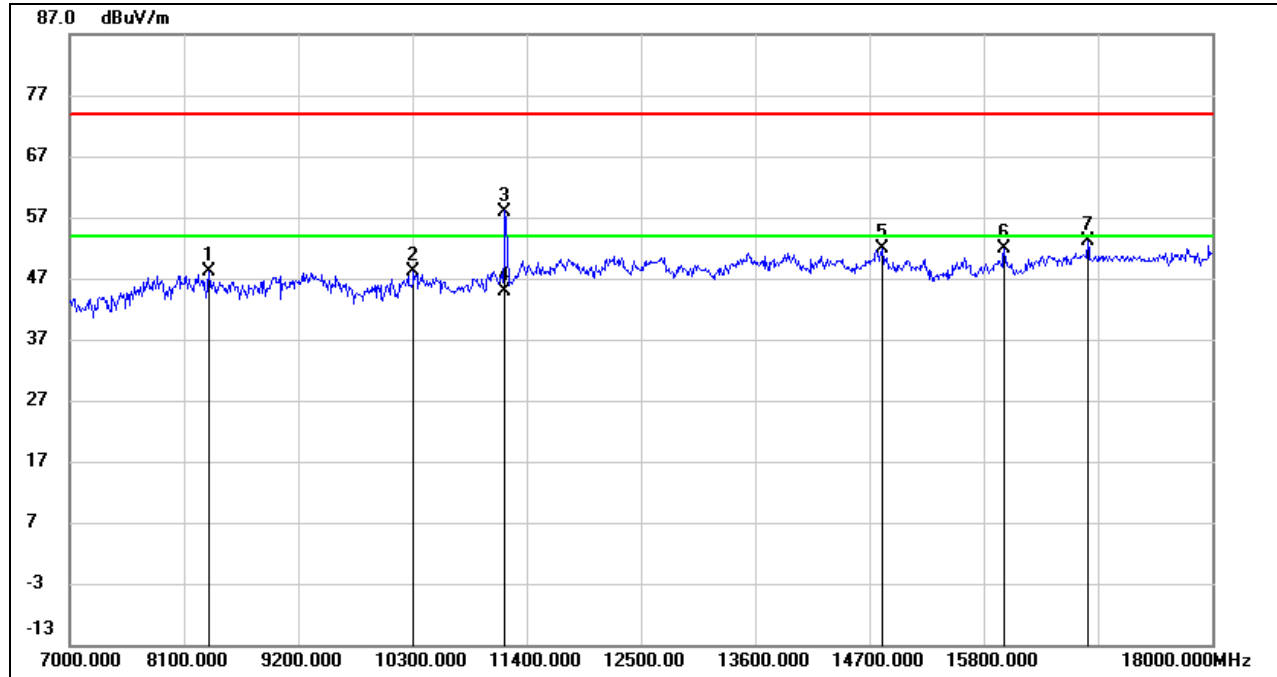
**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9189.000	37.89	9.93	47.82	74.00	-26.18	peak
2	10388.000	35.74	12.18	47.92	74.00	-26.08	peak
3	11202.000	42.74	13.79	56.53	68.2	-11.67	peak
4	11202.000	28.88	13.79	42.67	/	/	AVG
5	13919.000	33.51	17.55	51.06	74.00	-22.94	peak
6	14766.000	34.03	17.92	51.95	74.00	-22.05	peak
7	17076.000	31.04	21.74	52.78	74.00	-21.22	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)**

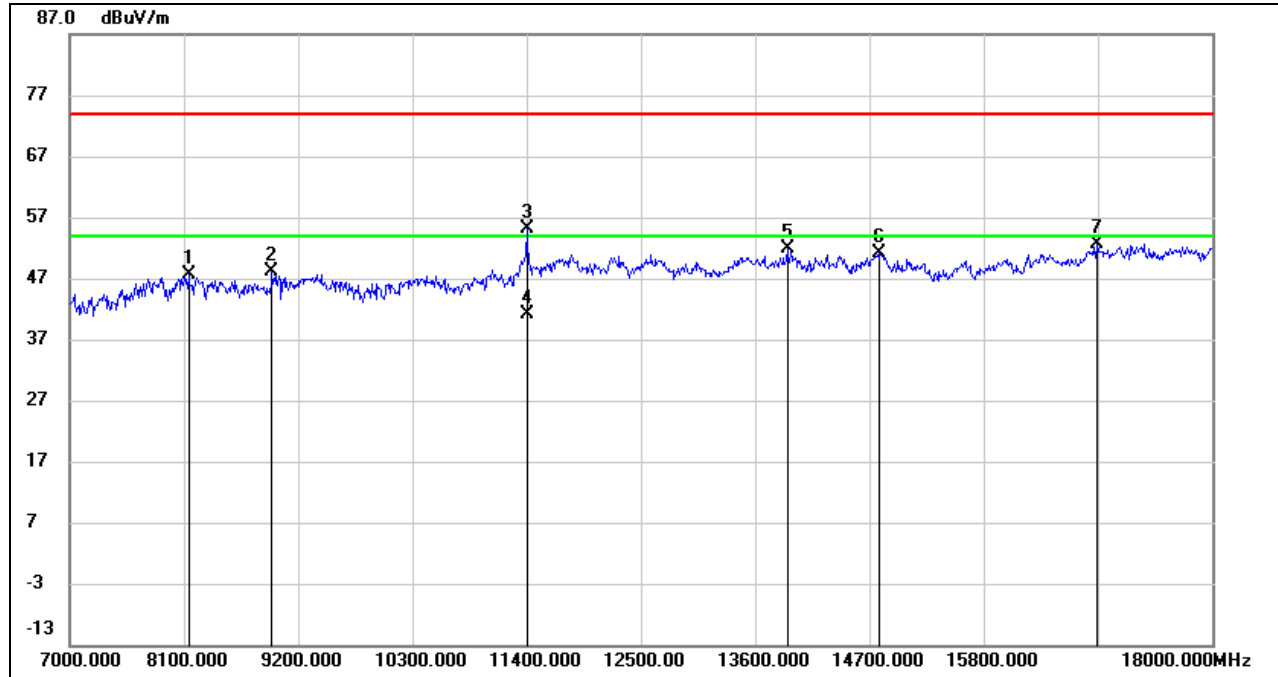


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8342.000	38.57	9.54	48.11	74.00	-25.89	peak
2	10311.000	36.17	11.86	48.03	74.00	-25.97	peak
3	11191.000	44.22	13.78	58.00	68.2	-10.2	peak
4	11191.000	31.20	13.78	44.98	/	/	AVG
5	14821.000	33.92	17.90	51.82	74.00	-22.18	peak
6	15998.000	33.50	18.42	51.92	74.00	-22.08	peak
7	16801.000	32.31	20.72	53.03	74.00	-20.97	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where:  $Ton$  is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



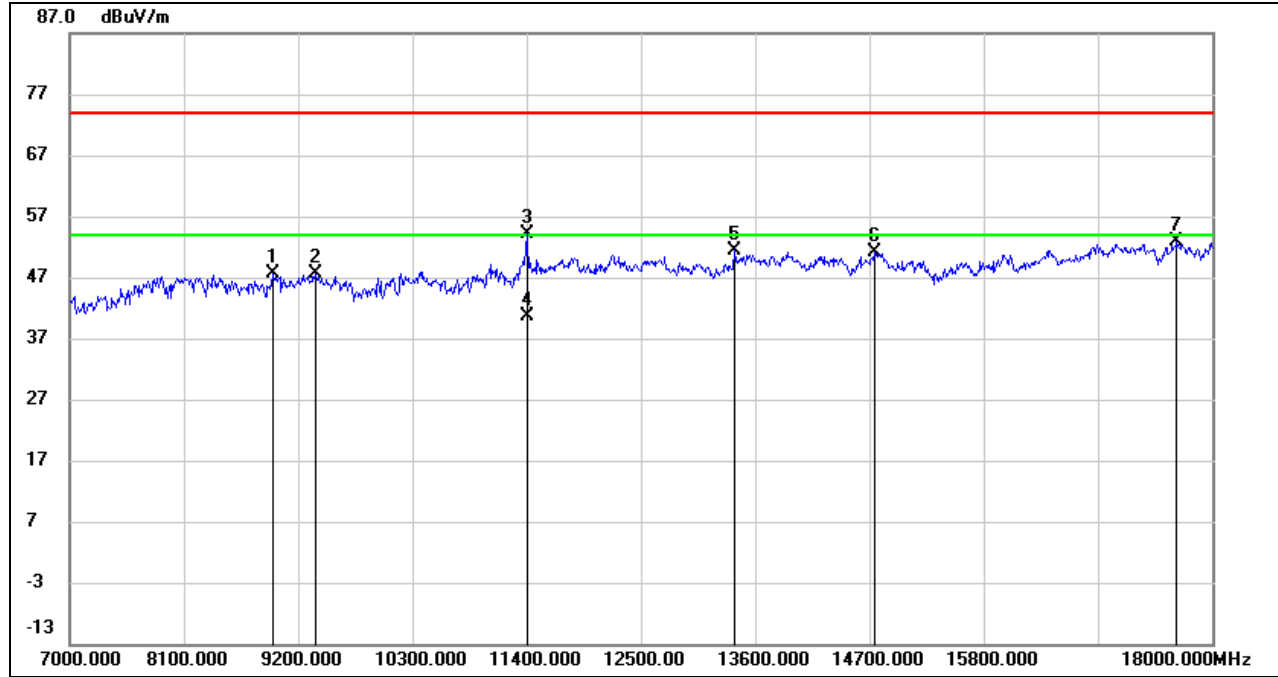
**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8144.000	37.70	10.02	47.72	74.00	-26.28	peak
2	8947.000	37.84	10.27	48.11	74.00	-25.89	peak
3	11400.000	40.30	14.76	55.06	68.2	-13.14	peak
4	11400.000	26.40	14.76	41.16	/	/	AVG
5	13908.000	34.26	17.54	51.80	74.00	-22.20	peak
6	14799.000	33.20	18.04	51.24	74.00	-22.76	peak
7	16889.000	31.24	21.47	52.71	74.00	-21.29	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)**

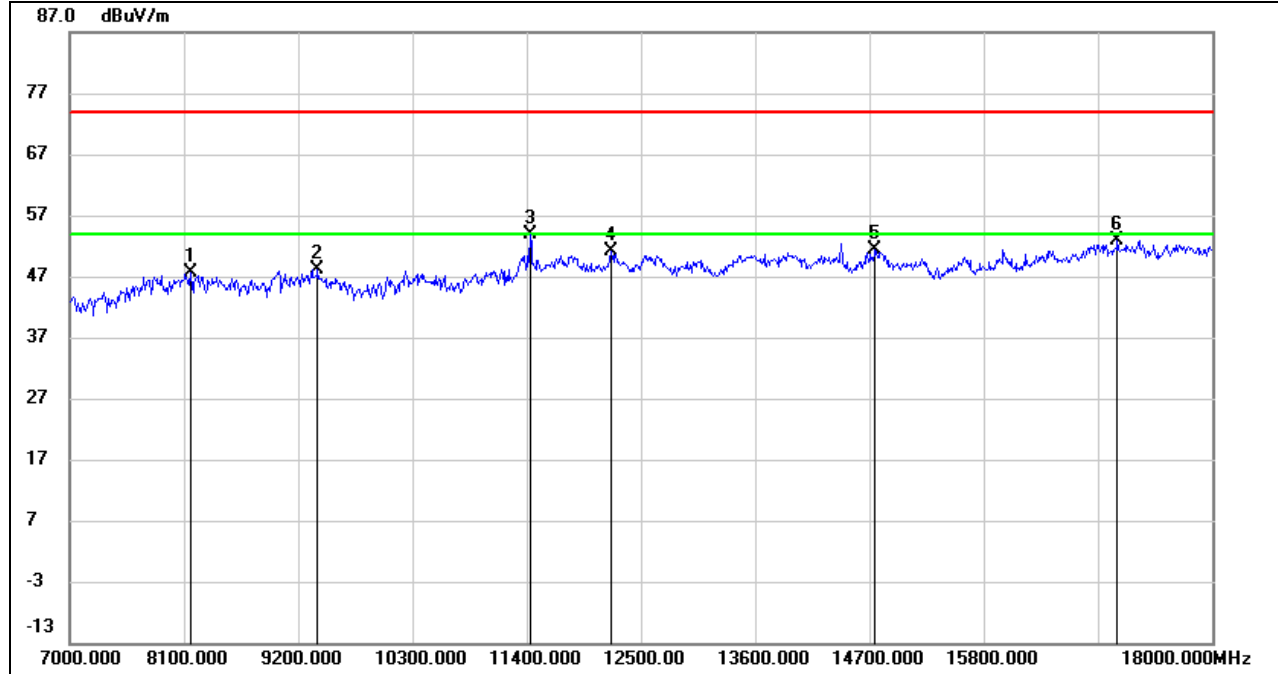


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8958.000	37.03	10.48	47.51	74.00	-26.49	peak
2	9365.000	36.97	10.77	47.74	74.00	-26.26	peak
3	11400.000	39.47	14.76	54.23	68.2	-13.97	peak
4	11400.000	25.87	14.76	40.63	/	/	AVG
5	13402.000	34.29	17.02	51.31	74.00	-22.69	peak
6	14744.000	33.33	17.84	51.17	74.00	-22.83	peak
7	17659.000	29.59	23.17	52.76	74.00	-21.24	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**STRADDLE CHANNEL 144**

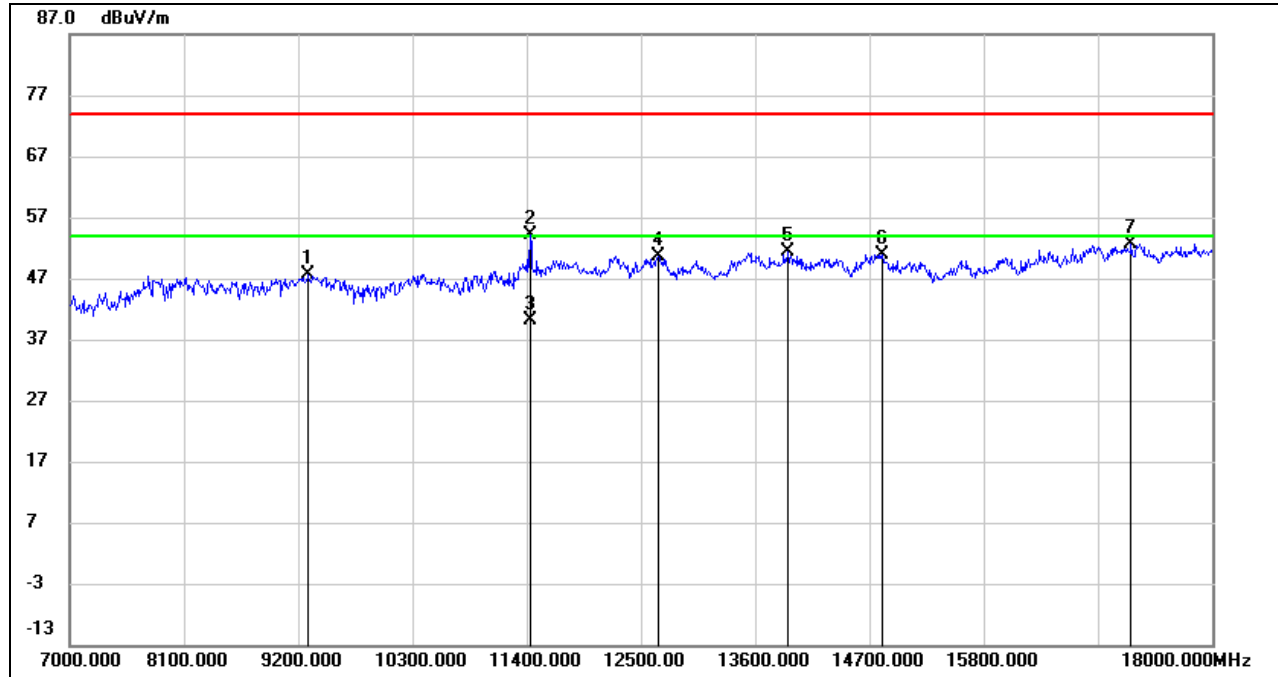
**HARMONICS AND SPURIOUS EMISSIONS (HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8166.000	37.64	9.94	47.58	74.00	-26.42	peak
2	9387.000	37.28	10.89	48.17	74.00	-25.83	peak
3	11433.000	39.24	14.73	53.97	74.00	-20.03	peak
4	12214.000	35.23	15.97	51.20	74.00	-22.80	peak
5	14755.000	33.60	17.88	51.48	74.00	-22.52	peak
6	17087.000	31.15	21.81	52.96	74.00	-21.04	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where:  $Ton$  is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**HARMONICS AND SPURIOUS EMISSIONS (VERTICAL)**



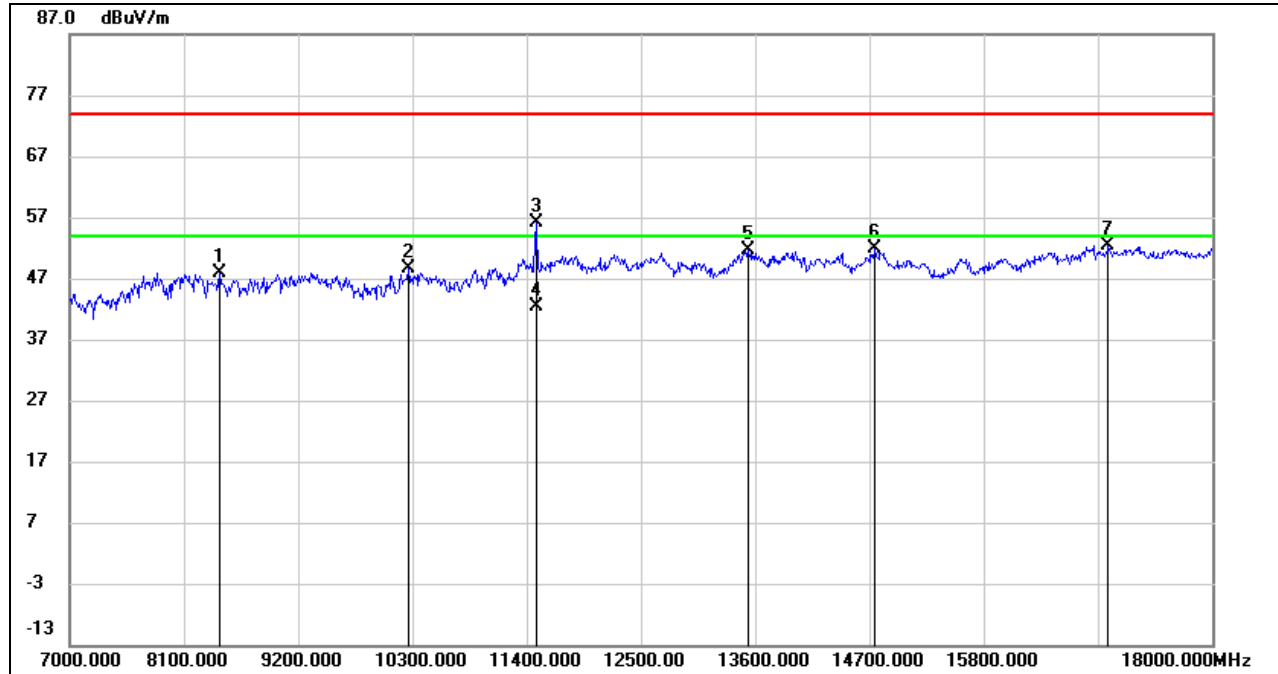
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9299.000	37.13	10.40	47.53	74.00	-26.47	peak
2	11433.000	39.36	14.73	54.09	68.2	-14.11	peak
3	11433.000	25.36	14.73	40.09	/	/	AVG
4	12665.000	35.06	15.68	50.74	74.00	-23.26	peak
5	13919.000	33.81	17.55	51.36	74.00	-22.64	peak
6	14821.000	33.10	17.90	51.00	74.00	-23.00	peak
7	17219.000	30.63	22.11	52.74	74.00	-21.26	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



**UNII-3 BAND**

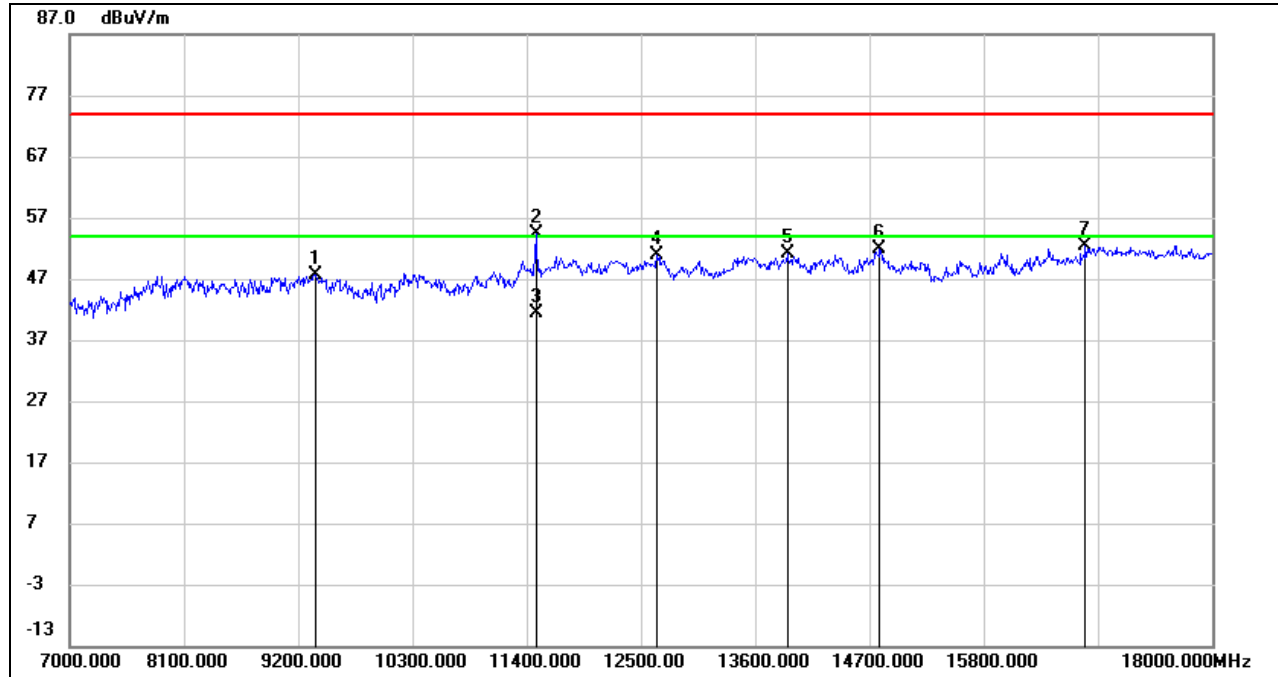
**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8441.000	38.58	9.25	47.83	74.00	-26.17	peak
2	10267.000	36.98	11.70	48.68	74.00	-25.32	peak
3	11488.000	41.35	14.66	56.01	68.2	-12.19	peak
4	11488.000	27.69	14.66	42.35	/	/	AVG
5	13534.000	34.40	17.18	51.58	74.00	-22.42	peak
6	14755.000	34.00	17.88	51.88	74.00	-22.12	peak
7	16999.000	31.23	21.25	52.48	74.00	-21.52	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

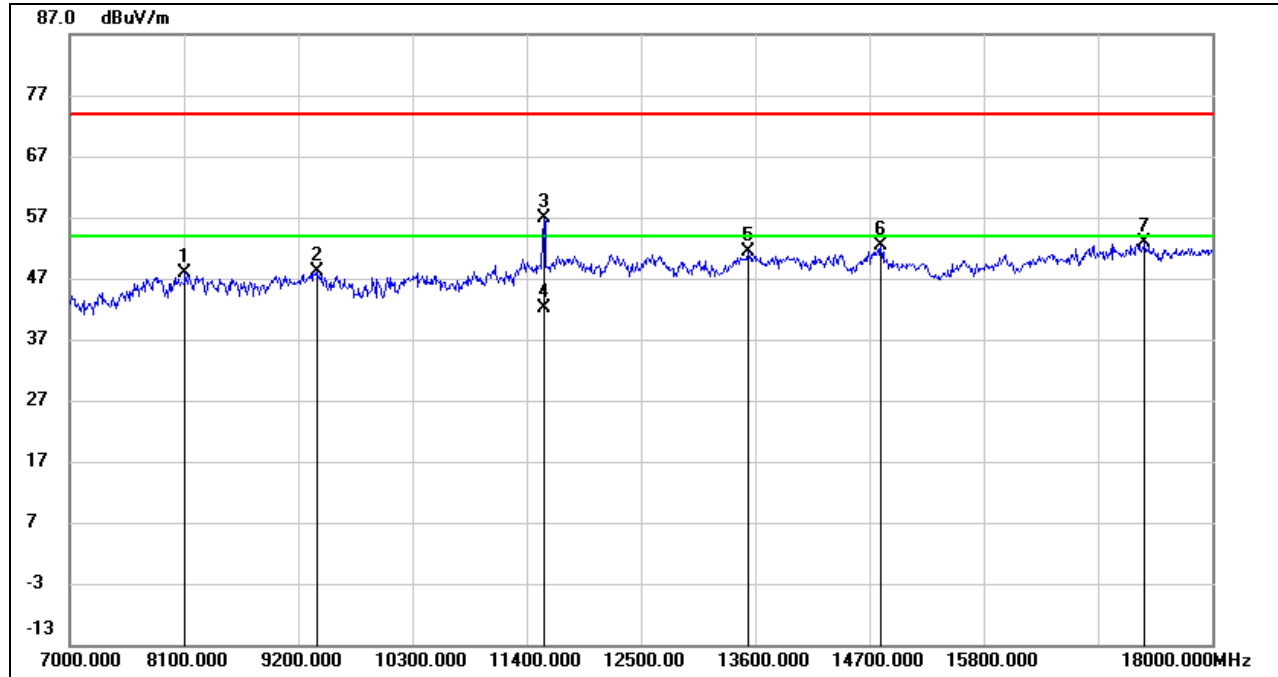
**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9365.000	36.85	10.77	47.62	74.00	-26.38	peak
2	11488.000	39.63	14.66	54.29	68.2	-13.91	peak
3	11488.000	26.71	14.66	41.37	/	/	AVG
4	12654.000	35.12	15.69	50.81	74.00	-23.19	peak
5	13908.000	33.63	17.54	51.17	74.00	-22.83	peak
6	14799.000	33.72	18.04	51.76	74.00	-22.24	peak
7	16779.000	31.93	20.55	52.48	74.00	-21.52	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

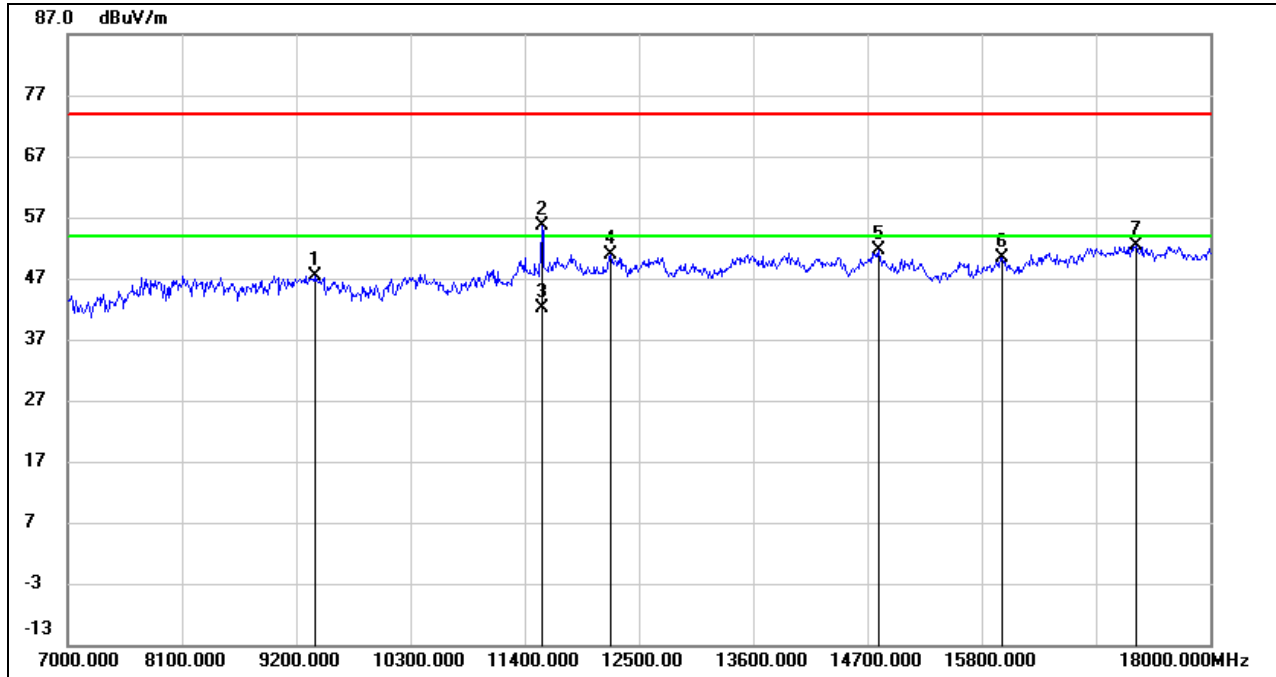
**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8111.000	37.66	10.14	47.80	74.00	-26.20	peak
2	9387.000	37.19	10.89	48.08	74.00	-25.92	peak
3	11565.000	42.18	14.69	56.87	68.2	-11.33	peak
4	11565.000	27.56	14.69	42.25	/	/	AVG
5	13534.000	34.19	17.18	51.37	74.00	-22.63	peak
6	14810.000	34.39	17.97	52.36	74.00	-21.64	peak
7	17351.000	30.60	22.23	52.83	74.00	-21.17	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)**

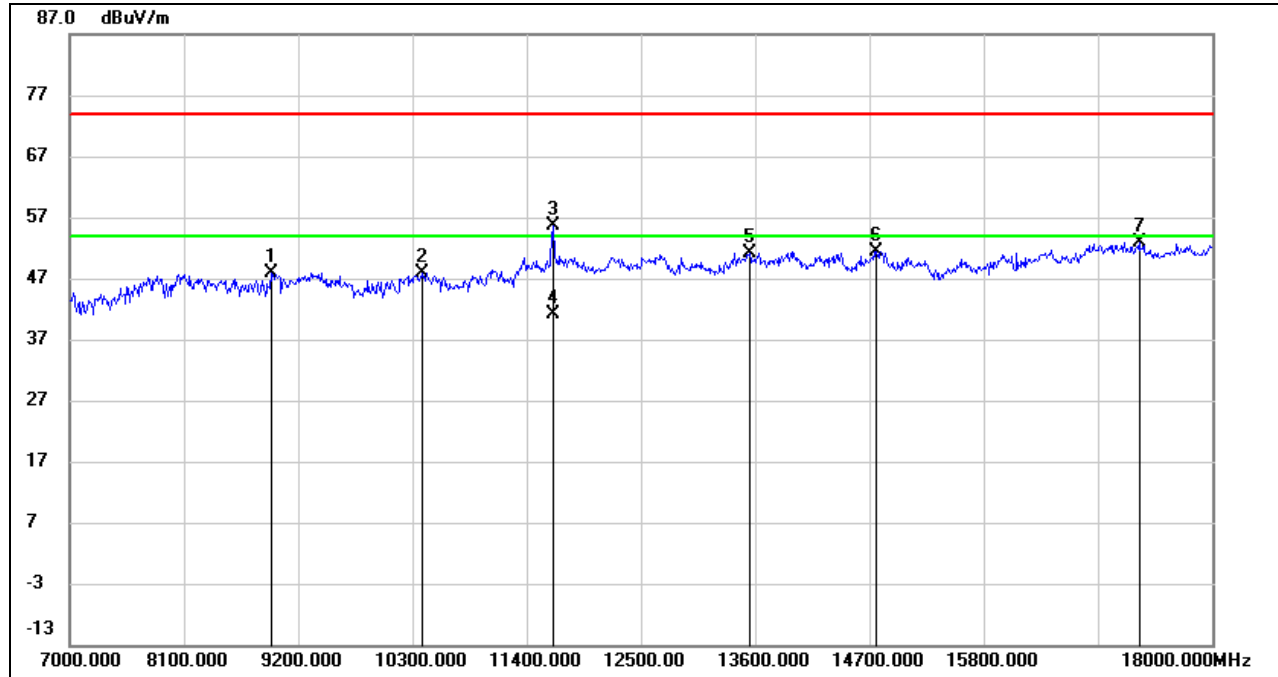


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9376.000	36.54	10.84	47.38	74.00	-26.62	peak
2	11565.000	40.85	14.69	55.54	68.2	-12.66	peak
3	11565.000	27.53	14.69	42.22	/	/	AVG
4	12225.000	35.01	15.99	51.00	74.00	-23.00	peak
5	14810.000	33.56	17.97	51.53	74.00	-22.47	peak
6	15998.000	31.92	18.42	50.34	74.00	-23.66	peak
7	17285.000	29.75	22.52	52.27	74.00	-21.73	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



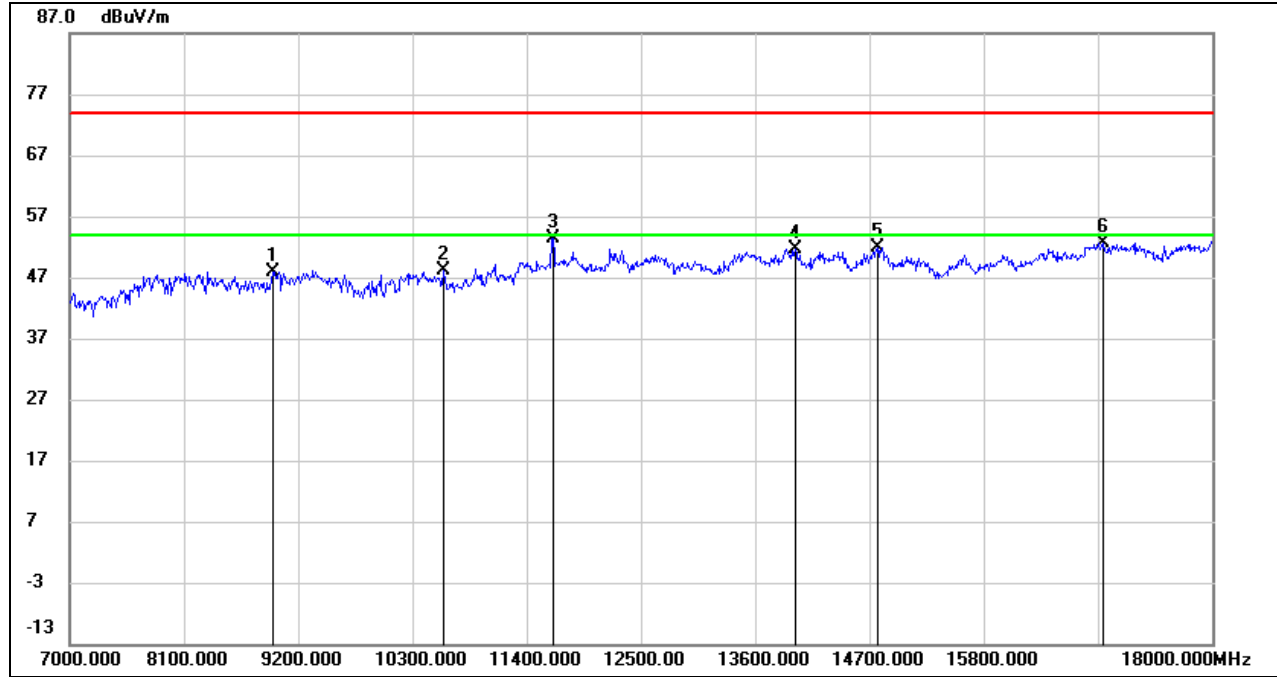
**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8936.000	37.70	10.06	47.76	74.00	-26.24	peak
2	10388.000	35.79	12.18	47.97	74.00	-26.03	peak
3	11653.000	40.55	15.05	55.60	68.2	-12.60	peak
4	11653.000	26.02	15.05	41.07	/	/	AVG
5	13545.000	34.05	17.16	51.21	74.00	-22.79	peak
6	14766.000	33.49	17.92	51.41	74.00	-22.59	peak
7	17296.000	30.28	22.59	52.87	74.00	-21.13	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)**



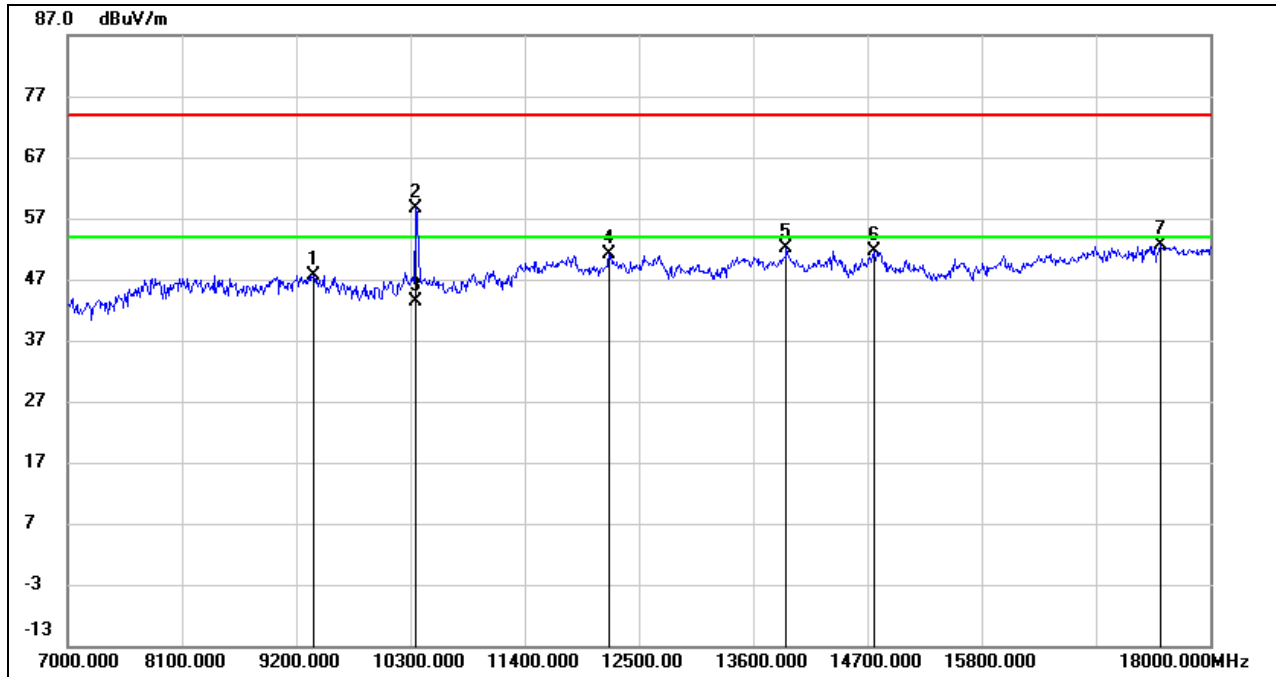
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8958.000	37.46	10.48	47.94	74.00	-26.06	peak
2	10597.000	35.38	12.68	48.06	74.00	-25.94	peak
3	11653.000	38.43	15.05	53.48	74.00	-20.52	peak
4	13985.000	34.09	17.65	51.74	74.00	-22.26	peak
5	14777.000	33.96	17.96	51.92	74.00	-22.08	peak
6	16955.000	31.34	21.39	52.73	74.00	-21.27	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

### 8.3.2. 802.11ac VHT20 MIMO MODE

#### UNII-1 BAND

#### HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)

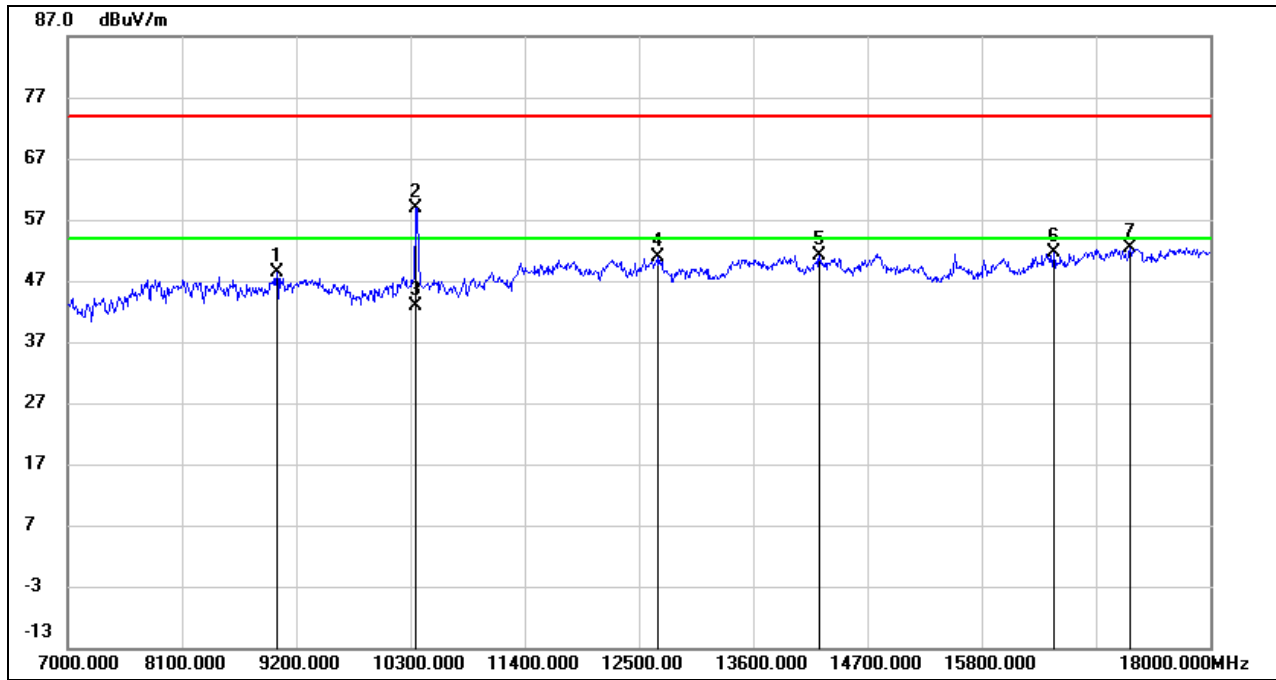


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9365.000	36.97	10.77	47.74	74.00	-26.26	peak
2	10355.000	46.71	12.04	58.75	74.00	-15.25	peak
3	10355.000	31.26	12.04	43.30	54.00	-10.70	AVG
4	12214.000	35.08	15.97	51.05	74.00	-22.95	peak
5	13919.000	34.51	17.55	52.06	74.00	-21.94	peak
6	14766.000	33.63	17.92	51.55	74.00	-22.45	peak
7	17516.000	30.47	22.15	52.62	74.00	-21.38	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



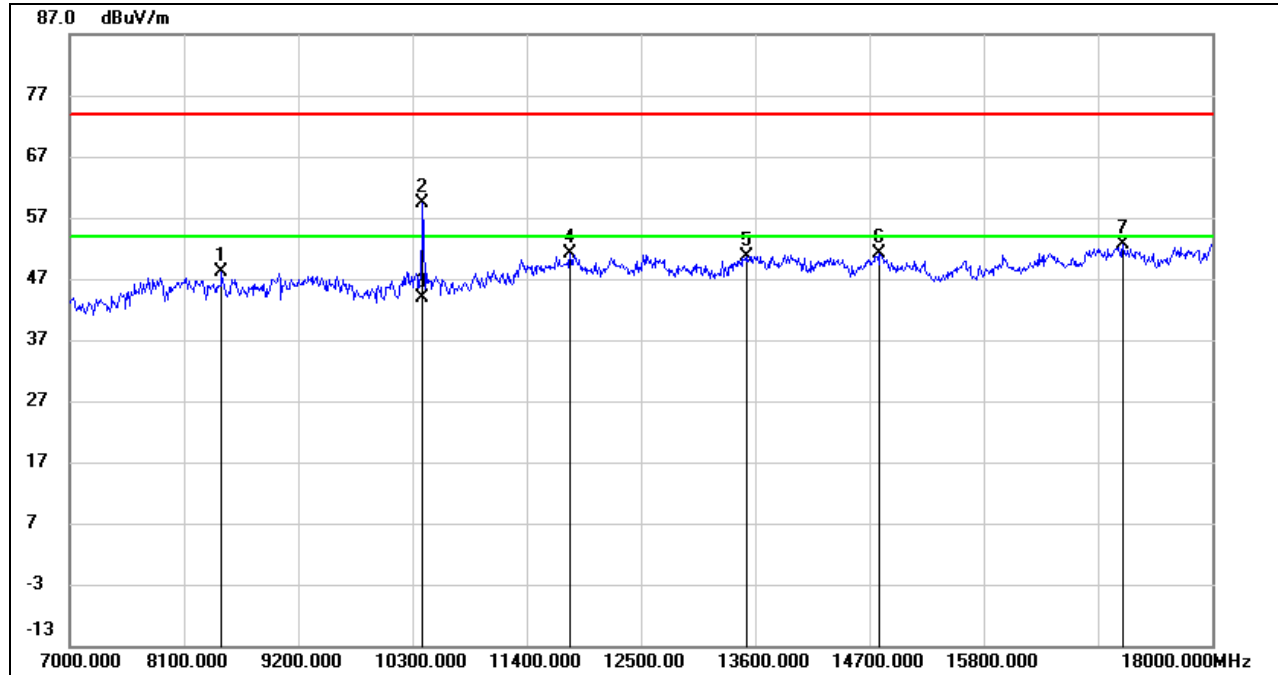
**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9013.000	37.35	11.12	48.47	74.00	-25.53	peak
2	10355.000	46.86	12.04	58.90	74.00	-15.10	peak
3	10355.000	30.91	12.04	42.95	54.00	-11.05	AVG
4	12687.000	35.24	15.64	50.88	74.00	-23.12	peak
5	14238.000	33.15	17.92	51.07	74.00	-22.93	peak
6	16493.000	31.85	19.69	51.54	74.00	-22.46	peak
7	17230.000	30.33	22.17	52.50	74.00	-21.50	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

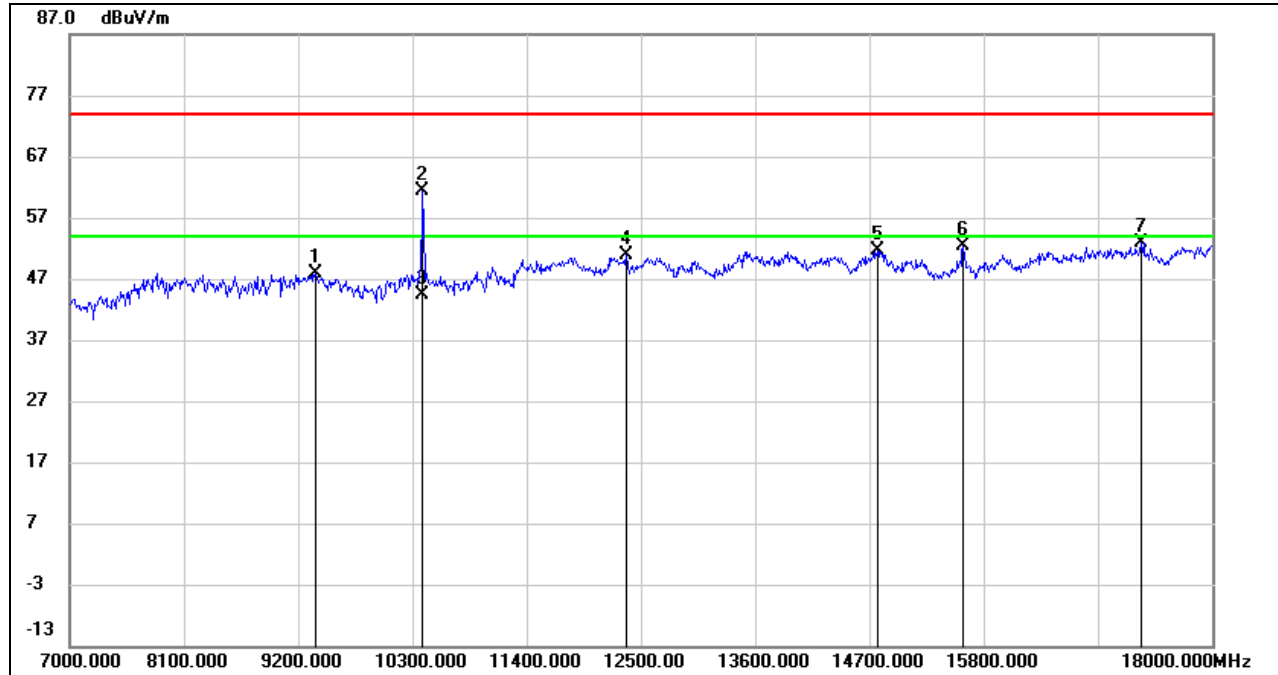
**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8463.000	38.88	9.20	48.08	74.00	-25.92	peak
2	10399.000	47.18	12.23	59.41	74.00	-14.59	peak
3	10399.000	31.53	12.23	43.76	54.00	-10.24	AVG
4	11818.000	35.79	15.29	51.08	74.00	-22.92	peak
5	13523.000	33.49	17.19	50.68	74.00	-23.32	peak
6	14799.000	33.10	18.04	51.14	74.00	-22.86	peak
7	17142.000	30.63	21.93	52.56	74.00	-21.44	peak

Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.  
 5. For the transmitting duration, please refer to clause 7.1.  
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.  
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

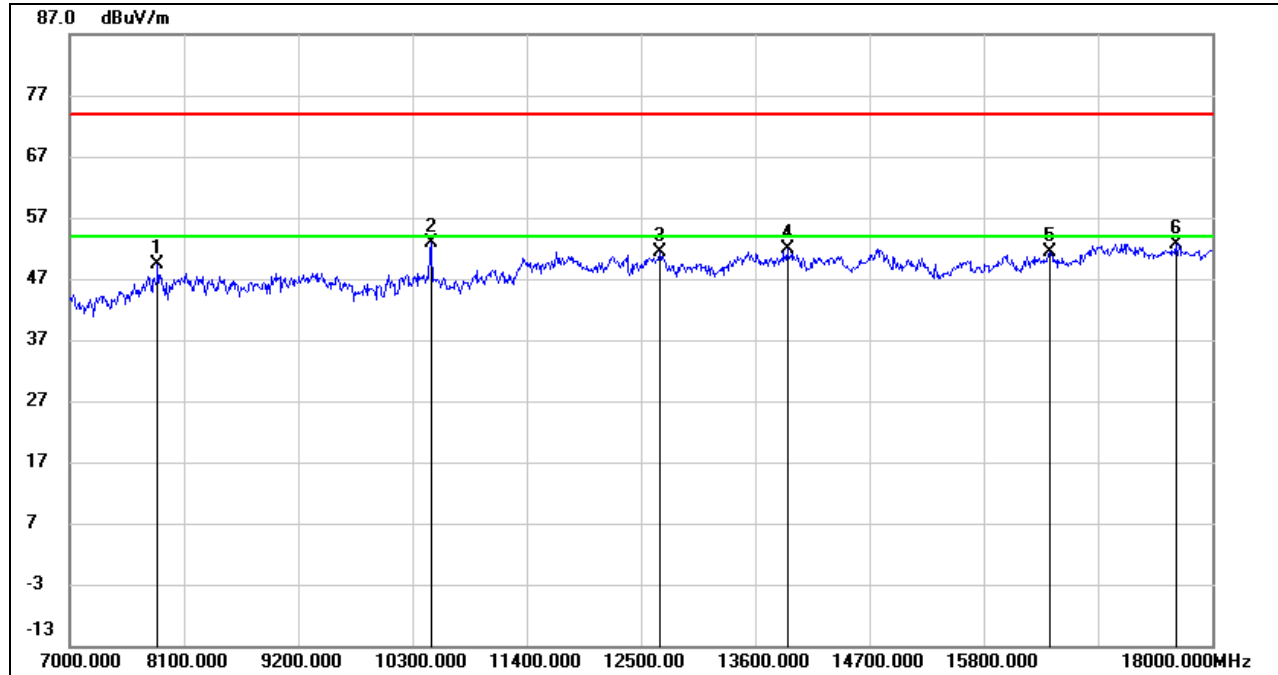
**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9365.000	37.15	10.77	47.92	74.00	-26.08	peak
2	10399.000	49.19	12.23	61.42	74.00	-12.58	peak
3	10399.000	32.27	12.23	44.50	54.00	-9.50	AVG
4	12357.000	34.83	16.01	50.84	74.00	-23.16	peak
5	14777.000	33.74	17.96	51.70	74.00	-22.30	peak
6	15602.000	34.56	17.70	52.26	74.00	-21.74	peak
7	17318.000	30.40	22.47	52.87	74.00	-21.13	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

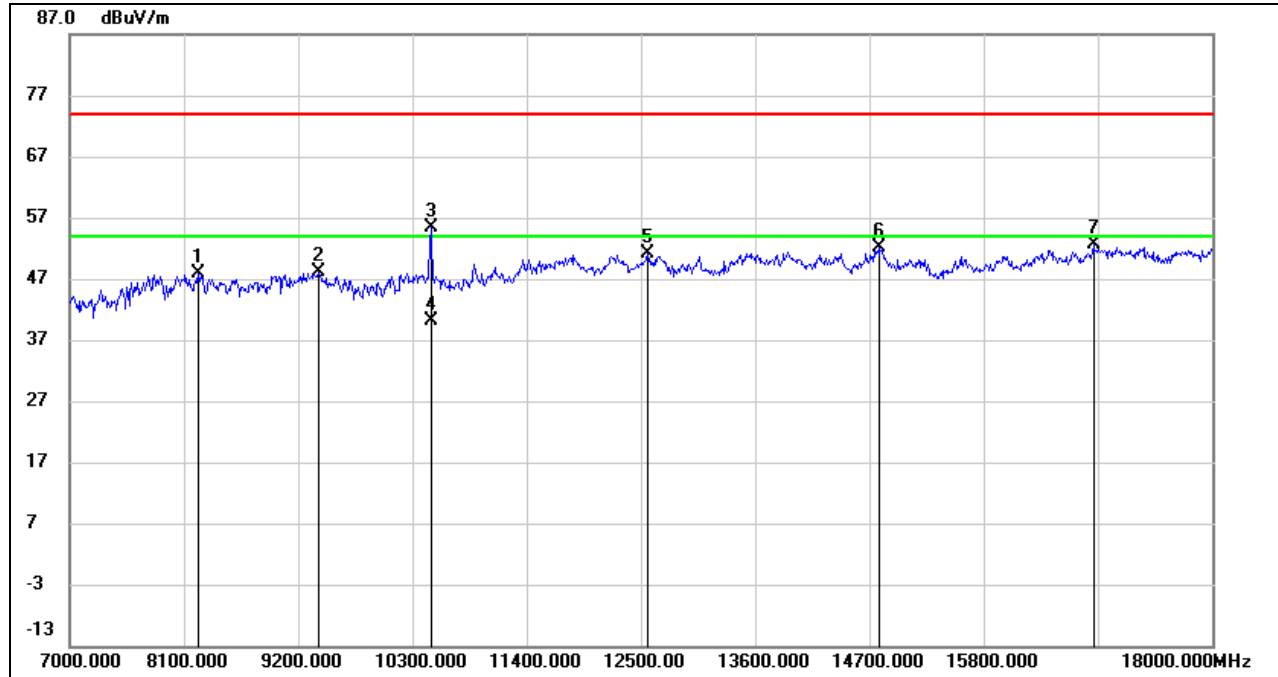
**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7847.000	40.16	9.12	49.28	74.00	-24.72	peak
2	10476.000	40.44	12.33	52.77	74.00	-21.23	peak
3	12687.000	35.76	15.64	51.40	74.00	-22.60	peak
4	13908.000	34.43	17.54	51.97	74.00	-22.03	peak
5	16438.000	31.82	19.68	51.50	74.00	-22.50	peak
6	17648.000	29.64	23.08	52.72	74.00	-21.28	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8232.000	38.12	9.77	47.89	74.00	-26.11	peak
2	9398.000	37.18	10.96	48.14	74.00	-25.86	peak
3	10476.000	42.97	12.33	55.30	74.00	-18.70	peak
4	10476.000	27.88	12.33	40.21	54.00	-13.79	AVG
5	12566.000	35.38	15.74	51.12	74.00	-22.88	peak
6	14799.000	34.12	18.04	52.16	74.00	-21.84	peak
7	16856.000	31.33	21.19	52.52	74.00	-21.48	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG:  $VBW=1/Ton$ , where: Ton is the transmitting duration.
  5. For the transmitting duration, please refer to clause 7.1.
  6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
  7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
  8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.