

FCC 15.407 U-NII 5GHz Test Report

for

Sony Group Corporation
1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan

Product Name : Digital Media Player
Model Name : YY1305B
Brand : SONY
FCC ID : AK8YY1305B

Prepared by: : AUDIX Technology Corporation,
EMC Department



The test report is based on a single evaluation of one sample of the above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab logo.

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APPENDIX A TEST DATA AND PLOTS

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TEST REPORT

Applicant : Sony Group Corporation
Manufacturer : Sony Group Corporation
EUT Description
(1) Product : Digital Media Player
(2) Model : YY1305B
(3) Brand : SONY
(4) Power Supply : DC 5V by Charging or DC 3.8V by Lithium Battery

Applicable Standards:

Title 47 FCC CFR Part 15 Subpart E

Audix Technology Corp. tested the equipment mentioned in accordance with the requirements set forth in the above standards. Test results indicate that the equipment tested is capable of demonstrating compliance with the requirements as documented within this report.

Audix Technology Corp. does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens and samples.

Date of Report: 2026. 09. 21

Reviewed by: Annie Yu (Annie Yu/Section Manager)

Approved by: Johnny Hsueh (Johnny Hsueh/Deputy Manager)



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1. REVISION RECORD OF TEST REPORT

Edition No	Issued Date	Revision Summary	Report Number
0	2026. 09. 21	Original Report	EM-F260323

2. Summary of TEST results

Rule	Description	Results
15.207	Conducted Emission	PASS
15.205/15.209	Undesirable Emissions Limits: Radiated Band Edge and Radiated Spurious Emission	PASS
15.407(a)(5)/15.407(e)	Emission/Occupied Bandwidth	PASS
15.407(a)	Maximum Output Power	PASS
15.407(b)	Conducted Band Edges	N/A
15.407(a)	Power Spectral Density	PASS
15.407	Frequency Stability	PASS
15.407(h)(2)	Dynamic Frequency Selection(DFS)	PASS, Please refer to test report No. EM-F260324
Note 1: The uncertainties value is not used in determining the result.		
Note 2: The EUT doesn't support the WLAN Band 4 specification.		

3. GENERAL INFORMATION

The EUT's information described in this section are all provided by the applicant.

3.1. Description of Application

Applicant	Sony Group Corporation 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan
Manufacturer	Sony Group Corporation 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan
Product	Digital Media Player
Brand	SONY
Model	YY1305B

3.2. Description of EUT

Test Model	YY1305B		
Serial Number	N/A		
Software Version	N/A		
Power Rating	DC 5V by Charging or DC 3.8V by Lithium Battery		
RF Features	WLAN: 802.11 a/b/g/n/ac/ax Bluetooth: BT and BLE		
Transmit Type	2.4 GHz Bands		
	802.11b	1T1R	
	802.11g	1T1R	
	802.11n-HT20/40	1T1R	
	802.11ax-HE20/40	1T1R	
	BT/BLE	1T1R	
	U-NII Bands		
	802.11a	1T1R	
	802.11n-HT20/40	1T1R	
	802.11ac-VHT20/40/80/160	1T1R	
	802.11ax-HE20/40/80/160	1T1R	
	WLAN 6E Bands		
	802.11a	1T1R	
	802.11ax-HE20/40/80/160	1T1R	
Device Category	☐ Outdoor Access Point		
	☐ Fixed point-to-point Access Point		
	☐ Indoor Access Point		
	☒ Mobile and Portable client device		
Sample Status	Trial sample		
Test Sample	Sample No.	Test Item	Firmware
	03	AC Conduction	N/A
	03	Radiated	N/A
	02	RF Conducted	N/A
Date of Receipt	2026. 05. 29		
Date of Test	2026. 06. 26 ~ 09. 10		
Interface Ports of EUT	• USB-C Port x 1 • Micro SD Slot x 1 • 3.5mm headphone jack x 1 • 4.4mm headphone jack x1		
Accessories Supplied	• USB-C Cable: Detached, 0.5m		

Note: Pursuant ISO 17025:2017 section 7.8.2, Audix Technology Corp. does not assume responsibility for all EUT's information including RF features, transmit type, antenna information...etc are provided by customer.

3.3. Reference Test Guidance

KDB 789033 D02 General UNII Test Procedures New Rules v02r01
ANSI C63.10-2020

3.4. Antenna Information

No.	Manufacture	Antenna Model	Antenna Type	Frequency (MHz)	Max Gain(dBi)
1	PEGATRON & INPAQ	YY1305B	PIFA	2400-2500	3.13
				5150-5250	0.10
				5250-5350	0.10
				5470-5725	0.20
				5725-5850	0.81
				5925-6425	1.25
				6425-6525	0.87
				6525-6875	1.15
				6875-7125	0.49

Note: The antenna is compliance with FCC Part 15 Section § 15.203 requirement.

3.5. EUT Specifications Assessed in Current Report

Mode	U-NII Band	Fundamental Range (MHz)	Channel Number
802.11a	1	5180-5240	4
	2A	5260-5320	4
	2C	5500-5720	9
	3	5745-5825	5
802.11n-HT20 802.11ac-VHT20 802.11ax-HE20	1	5180-5240	4
	2A	5260-5320	4
	2C	5500-5720	9
	3	5745-5825	5
802.11n-HT40 802.11ac-VHT40 802.11ax-HE40	1	5190-5230	2
	2A	5270-5310	2
	2C	5510-5710	4
	3	5755-5795	2
802.11ac-VHT80 802.11ax-HE80	1	5210	1
	2A	5290	1
	2C	5530-5690	2
	3	5775	1
802.11ac-VHT160 802.11ax-HE160	1/2A	5250	1
Remark: U-NII Band 2A and 2C (DFS Function, Slave/no In service monitor, no Ad-Hoc mode)			

Mode	Modulation	Data Rate (Mbps)
802.11a	OFDM (BPSK/QPSK/16QAM/64QAM)	Up to 54
802.11n-HT20	OFDM (BPSK/QPSK/16QAM/64QAM)	Up to 72.2
802.11n-HT40		Up to 150
802.11ac-VHT20	OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)	Up to 86.7
802.11ac-VHT40		Up to 200
802.11ac-VHT80		Up to 433.3
802.11ac-VHT160		Up to 866.7
802.11ax-HE20		Up to 143.5
802.11ax-HE40	OFDMA (BPSK/ QPSK/ 16QAM/ 64QAM/ 256QAM/1024QAM)	Up to 287
802.11ax-HE80		Up to 600.5
802.11ax-HE160		Up to 1201

Channel List											
802.11a/802.11n-HT20/802.11ac-VHT20/802.11ax-HE20											
U-NII Band	Channel Number	Frequency (MHz)	U-NII Band	Channel Number	Frequency (MHz)	U-NII Band	Channel Number	Frequency (MHz)	U-NII Band	Channel Number	Frequency (MHz)
1	36	5180	2A	52	5260	2C	100	5500	3	149	5745
	40	5200		56	5280		104	5520		153	5765
	44	5220		60	5300		108	5540		157	5785
	48	5240		64	5320		112	5560		161	5805
							116	5580			
							132	5660			
							136	5680			
							140	5700			
							144	5720			

Channel List											
802.11n-HT40/802.11ac-VHT40/802.11ax-HE40											
U-NII Band	Channel Number	Frequency (MHz)	U-NII Band	Channel Number	Frequency (MHz)	U-NII Band	Channel Number	Frequency (MHz)	U-NII Band	Channel Number	Frequency (MHz)
1	38	5190	2A	54	5270	2C	102	5510	3	151	5755
	46	5230		62	5310		110	5550		159	5795
							134	5670			
							142	5710			

Channel List											
802.11ac-VHT80/802.11ax-HE80											
U-NII Band	Channel Number	Frequency (MHz)	U-NII Band	Channel Number	Frequency (MHz)	U-NII Band	Channel Number	Frequency (MHz)	U-NII Band	Channel Number	Frequency (MHz)
1	42	5210	2A	58	5290	2C	106	5530	3	155	5775
							138	5690			

Channel List											
802.11ac-VHT160/802.11ax-HE160											
U-NII Band				Channel Number				Frequency (MHz)			
1/2A				50				5250			

Note: Test modes are presented at section 3.7.

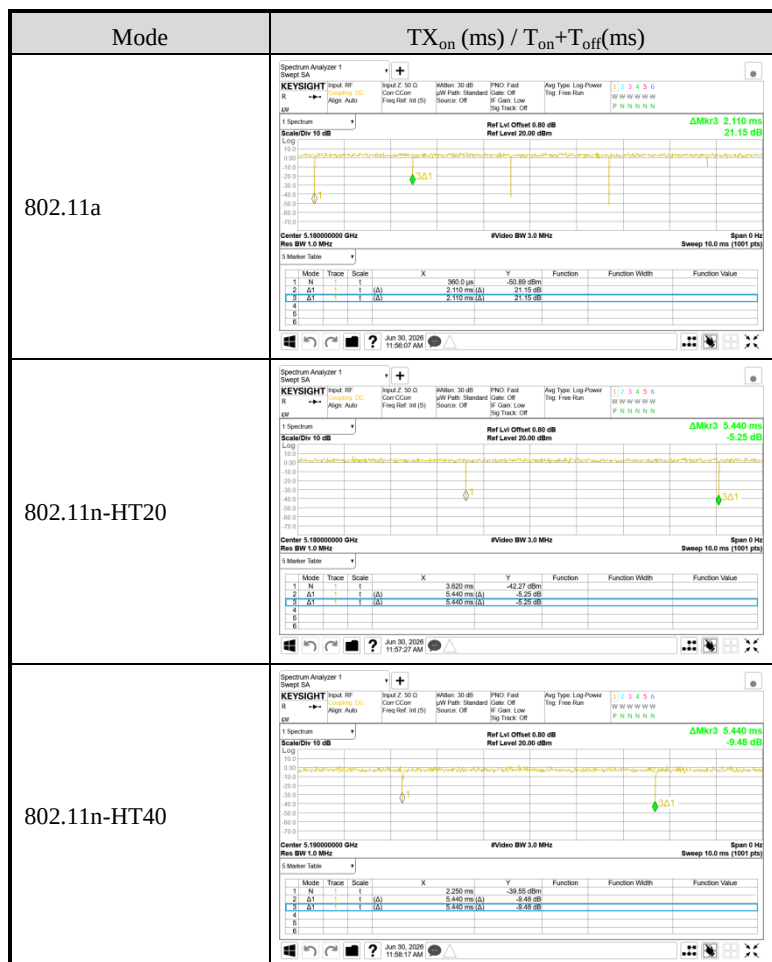
3.6. Description of Key Components

None

3.7. Test Configuration

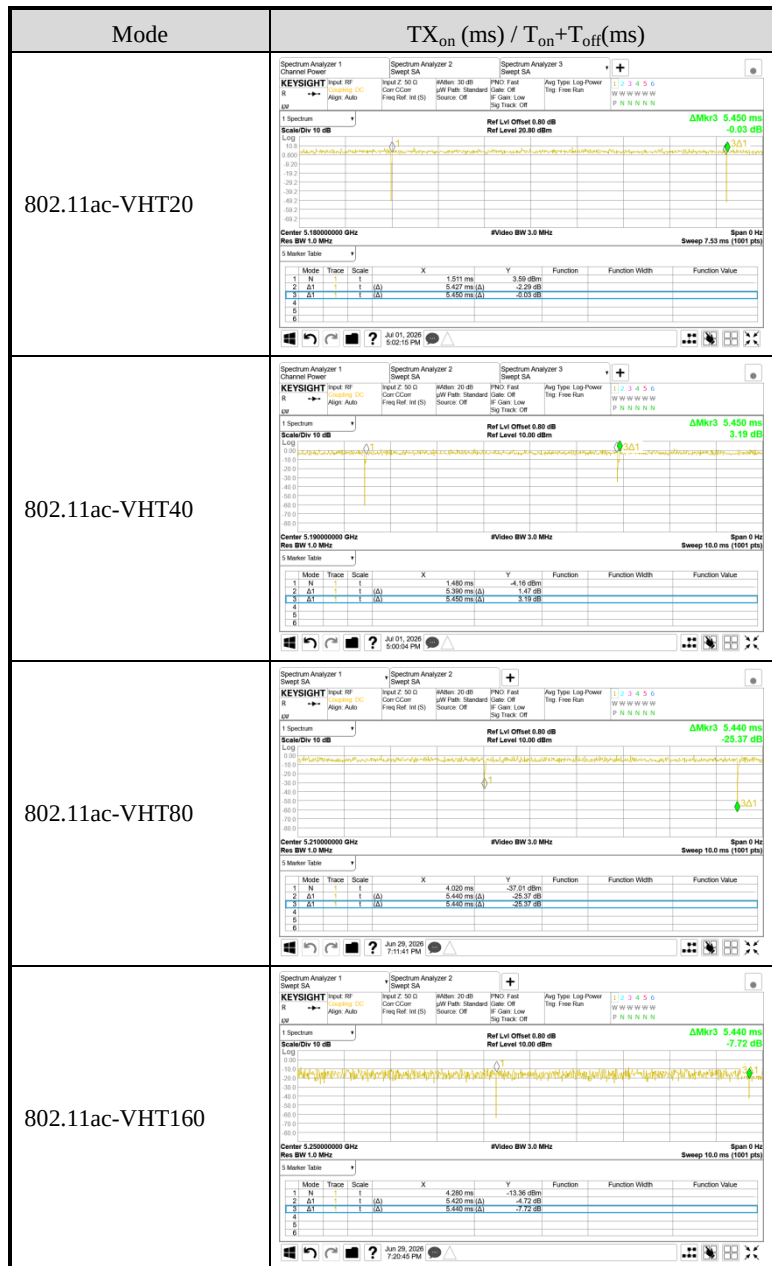
Mode		TX _{on} (ms)	TX _{on+off} (ms)	Duty Cycle (x)	Duty Cycle Factor [10log(1/x)] (dB)
802.11a		2.110	2.110	1.000	N/A
802.11n-HT20		5.440	5.440	1.000	N/A
802.11n-HT40		5.440	5.440	1.000	N/A
802.11ac-VHT20		5.4270	5.450	0.996	N/A
802.11ac-VHT40		5.390	5.450	0.989	N/A
802.11ac-VHT80		5.440	5.440	1.000	N/A
802.11ac-VHT160		5.420	5.440	0.996	N/A
802.11ax-HE20		5.420	5.450	0.994	N/A
802.11ax-HE40		5.460	5.460	1.000	N/A
802.11ax-HE80		5.460	5.460	1.000	N/A
802.11ax-HE160		0.030	0.030	1.000	N/A
Mode	RU Tone	TX _{on} (ms)	TX _{on+off} (ms)	Duty Cycle (x)	Duty Cycle Factor [10log(1/x)] (dB)
802.11ax-HE20	26	5.110	5.110	1.000	N/A
	52	5.090	5.090	1.000	N/A
	106	4.790	4.790	1.000	N/A

Note: When duty cycle is less than 98% (0.98) that duty cycle factor 10log(1/x) is needed to add in conducted test items measured in average detector.



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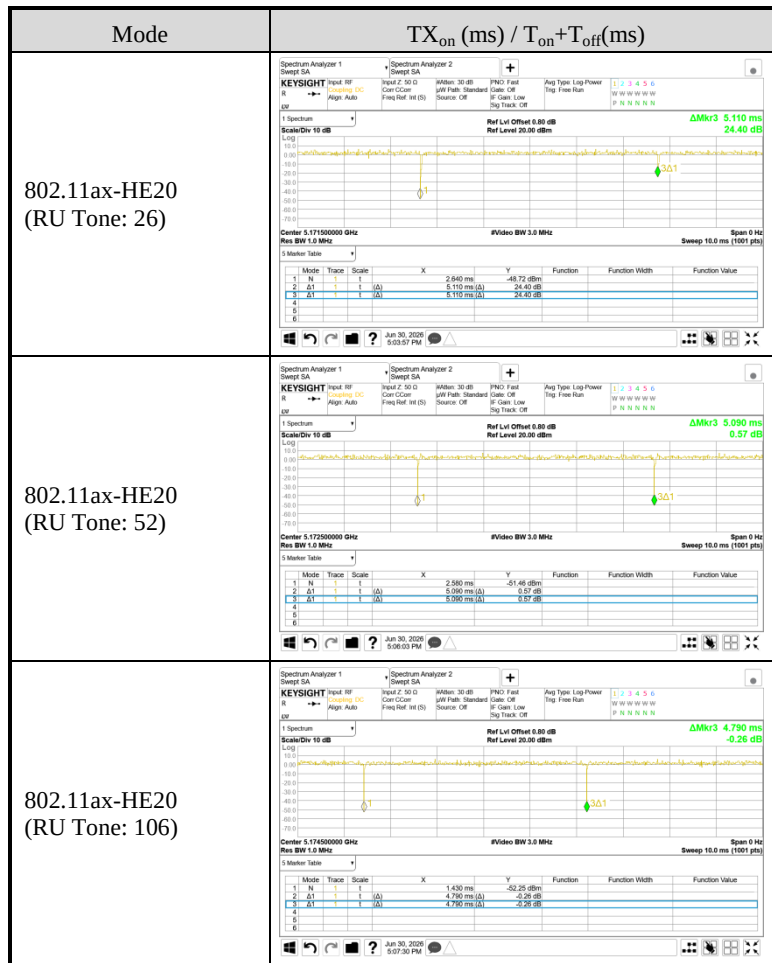
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Item	Mode
AC Conduction Test Case	Normal Operation

Item	Mode
Radiated Test Case	Radiated Spurious Emission (30MHz~1GHz) Normal Operation

Item		Mode	RU Tone	Data Rate	Test Frequency (MHz)
Radiated Test Case Note1	Radiated Spurious Emission (30MHz~1GHz) ^{Note 2&3}	802.11n-HT40	---	MCS8	5550
	Radiated Band Edge	802.11a	---	6 Mbps	5180/5320/5500/5700/5720
		802.11n-HT20	---	MCS8	5180/5320/5500/5700/5720
		802.11n-HT40	---	MCS8	5190/5310/5510/5670/5710
		802.11ac-VHT80	---	MCS0	5210/5290/5530/5690
		802.11ac-VHT160	---	MCS0	5250
		802.11ax-HE20	---	HE0	5180/5320/5500/5700/5720
		802.11ax-HE40	---	HE0	5190/5310/5510/5670/5710
		802.11ax-HE80	---	HE0	5210/5290/5530/5690
		802.11ax-HE160	---	HE0	5250
		802.11ax-HE20	26/0	HE0	5180/5500
			52/37	HE0	5180/5500
			106/53	HE0	5180/5500
			26/8	HE0	5320/5700
			52/40	HE0	5320/5700
			106/54	HE0	5320/5700
	Radiated Spurious Emission Note4&5	802.11a	---	6 Mbps	5180/5200/5240/ 5260/5300/5320/ 5500/5580/5700/5720/ 5745/5785/5825
		802.11n-HT20	---	MCS8	5180/5200/5240/ 5260/5300/5320/ 5500/5580/5700/5720/ 5745/5785/5825
		802.11n-HT40	---	MCS8	5190/5230/ 5270/5310/ 5510/5670/5710/ 5755/5795
		802.11ac-VHT80	---	MCS0	5210/5290/ 5530/5690/5775
		802.11ac-VHT160	---	MCS0	5250
		802.11ax-HE20	---	HE0	5180/5200/5240/ 5260/5300/5320/ 5500/5580/5700/5720/ 5745/5785/5825
		802.11ax-HE40	---	HE0	5190/5230/ 5270/5310/ 5510/5670/5710/ 5755/5795
		802.11ax-HE80	---	HE0	5210/5290/ 5530/5690/5775
		802.11ax-HE160	---	HE0	5250

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Item		Mode	RU Tone	Data Rate	Test Frequency (MHz)
Conducted Test Case	Emission/Occupied Bandwidth	802.11a	---	6 Mbps	5180/5200/5240/ 5260/5300/5320/ 5500/5580/5700/5720/ 5745/5785/5825
		802.11n-HT20	---	MCS8	5180/5200/5240/ 5260/5300/5320/ 5500/5580/5700/5720/ 5745/5785/5825
		802.11n-HT40	---	MCS8	5190/5230/ 5270/5310/ 5510/5670/5710/ 5755/5795
		802.11ac-VHT80	---	MCS0	5210/5290/ 5530/5690/5775
		802.11ac-VHT160	---	MCS0	5250
		802.11ax-HE20	---	HE0	5180/5200/5240/ 5260/5300/5320/ 5500/5580/5700/5720/ 5745/5785/5825
		802.11ax-HE40	---	HE0	5190/5230/ 5270/5310/ 5510/5670/5710/ 5755/5795
		802.11ax-HE80	---	HE0	5210/5290/ 5530/5690/5775
		802.11ax-HE160	---	HE0	5250

Item		Mode	RU Tone	Data Rate	Test Frequency (MHz)
Conducted Test Case	Maximum output power	802.11a	---	6 Mbps	5180/5200/5240/ 5260/5300/5320/ 5500/5580/5700/5720/ 5745/5785/5825
		802.11n-HT20	---	MCS8	5180/5200/5240/ 5260/5300/5320/ 5500/5580/5700/5720/ 5745/5785/5825
		802.11n-HT40	---	MCS8	5190/5230/ 5270/5310/ 5510/5670/5710/ 5755/5795
		802.11ac-VHT20	---	MCS8	5180/5200/5240/ 5260/5300/5320/ 5500/5580/5700/5720/ 5745/5785/5825
		802.11ac-VHT40	---	MCS8	5190/5230/ 5270/5310/ 5510/5670/5710/ 5755/5795
		802.11ac-VHT80	---	MCS0	5210/5290/ 5530/5690/5775
		802.11ac-VHT160	---	MCS0	5250
		802.11ax-HE20	---	HE0	5180/5200/5240/ 5260/5300/5320/ 5500/5580/5700/5720/ 5745/5785/5825
		802.11ax-HE40	---	HE0	5190/5230/ 5270/5310/ 5510/5670/5710/ 5755/5795
		802.11ax-HE80	---	HE0	5210/5290/ 5530/5690/5775
		802.11ax-HE160	---	HE0	5250
		802.11ax-HE20	26/0	HE0	5180/5500/5745
			52/37	HE0	5180/5500/5745
			106/53	HE0	5180/5500/5745
			26/8	HE0	5320/5700/5825
			52/40	HE0	5320/5700/5825
			106/54	HE0	5320/5700/5825

Item		Mode	RU Tone	Data Rate	Test Frequency (MHz)
Conducted Test Case	Power spectral density	802.11a	---	6 Mbps	5180/5200/5240/ 5260/5300/5320/ 5500/5580/5700/5720/ 5745/5785/5825
		802.11n-HT20	---	MCS8	5180/5200/5240/ 5260/5300/5320/ 5500/5580/5700/5720/ 5745/5785/5825
		802.11n-HT40	---	MCS8	5190/5230/ 5270/5310/ 5510/5670/5710/ 5755/5795
		802.11ac-VHT80	---	MCS0	5210/5290/ 5530/5690/5775
		802.11ac-VHT160	---	MCS0	5250
		802.11ax-HE20	---	HE0	5180/5200/5240/ 5260/5300/5320/ 5500/5580/5700/5720/ 5745/5785/5825
		802.11ax-HE40	---	HE0	5190/5230/ 5270/5310/ 5510/5670/5710/ 5755/5795
		802.11ax-HE80	---	HE0	5210/5290/ 5530/5690/5775
		802.11ax-HE160	---	HE0	5250
		802.11ax-HE20	26/0	HE0	5180/5500/5745
			52/37	HE0	5180/5500/5745
			106/53	HE0	5180/5500/5745
			26/8	HE0	5320/5700/5825
			52/40	HE0	5320/5700/5825
			106/54	HE0	5320/5700/5825
	Frequency Stability	--	---	---	5180
	Band Edge	802.11a	---	6 Mbps	5745/5825
		802.11n-HT20	---	MCS8	5745/5825
		802.11n-HT40	---	MCS8	5755/5795
		802.11ac-VHT80	---	MCS0	5775
		802.11ax-HE20	---	HE0	5745/5825
		802.11ax-HE40	---	HE0	5755/5795
		802.11ax-HE80	---	HE0	5775
		802.11ax-HE20	26/0	HE0	5745
			52/37	HE0	5745
			106/53	HE0	5745
			26/8	HE0	5825
			52/40	HE0	5825
			106/54	HE0	5825

Note 1: ☐ Mobile Device ☒ Portable Device and 3 axis were assessed. The worst scenario for Radiated Spurious Emission as follow:
☒ Lie ☐ Side ☐ Stand

Note 2: Low, mid, and high channels were measured, only the worst channel of each modulation was presented in this report.

Note 3: The data rates were selected based on preliminary testing that identified rate as the worst case for output power.

Note 4: The modulation and bandwidth are similar for 802.11n mode for HT20/HT40 and 802.11ac mode for VHT20/VHT40, therefore investigated worst case to representative mode in the test report.

Note 5: In accordance with ANSI C63.10-2020, Clause 6.3.4, both tabular data and spectral plots are provided. Since multiple operating modes were evaluated, only the worst-case spectral plots representing the maximum emission levels for each mode in each operating band are included in this report.

3.8. Output Power Setting

U-NII Band	Centre Frequency (MHz)	Power Setting			
		802.11a	802.11n-HT20	802.11ac-VHT20	802.11ax-HE20
1	5180	11.000	11.000	11.000	11.000
	5200	11.000	11.000	11.000	11.000
	5240	11.000	11.000	11.000	11.000
2A	5260	11.500	11.500	11.500	11.500
	5300	11.500	11.500	11.500	11.500
	5320	11.500	11.500	11.500	11.500
2C	5500	13.000	13.000	13.000	13.000
	5580	13.000	13.000	13.000	13.000
	5700	13.000	13.000	13.000	13.000
	5720	13.000	13.000	13.000	13.000
3	5745	11.000	11.000	11.000	11.000
	5785	11.000	11.000	11.000	11.000
	5825	11.000	11.000	11.000	11.000

U-NII Band	Centre Frequency (MHz)	Power Setting		
		802.11n-HT40	802.11ac-VHT40	802.11ax-HE40
1	5190	9.500	9.500	9.500
	5230	11.000	11.000	11.000
2A	5270	11.500	11.500	11.500
	5310	11.500	11.500	11.500
2C	5510	12.500	12.500	12.500
	5550	13.000	13.000	13.000
	5670	13.000	13.000	13.000
	5710	13.000	13.000	13.000
3	5755	11.000	11.000	11.000
	5795	11.000	11.000	11.000

U-NII Band	Centre Frequency (MHz)	Power Setting	
		802.11ac-VHT80	802.11ax-HE80
1	5210	9.000	9.000
2A	5290	11.500	11.500
2C	5530	11.000	11.000
	5690	13.000	13.000
3	5775	11.000	11.000

U-NII Band	Centre Frequency (MHz)	Power Setting	
		802.11ac-VHT160	802.11ax-HE160
1/2A	5250	10.000	10.000

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U-NII Band	Centre Frequency (MHz)	RU Configuration	Power Setting
			802.11ax-HE20
1	5180	26/0	1.000
		52/37	4.000
		106/53	7.000
2A	5320	26/8	2.000
		52/40	5.000
		106/54	8.000
2C	5500	26/0	3.000
		52/37	6.000
		106/53	9.000
	5700	26/8	3.000
		52/40	6.000
		106/54	9.000
3	5745	26/0	1.000
		52/37	4.000
		106/53	7.000
	5825	26/8	1.000
		52/40	4.000
		106/54	7.000

3.9. Tested Supporting System List

3.9.1. Support Peripheral Unit

No.	Product	Brand	Model No.	Serial No.	Approval	Remarks
A	Notebook PC	ASUS	X1403Z	N/A	N/A	Provided by LAB
		acer	N22Q3	N/A	N/A	Provided by LAB
B	Balanced Adapter	N/A	N/A	N/A	N/A	Supplied by Client
C	Earphone #1	SONY	MDR-1AM2	N/A	N/A	Supplied by Client
D	Earphone #2	APPLE	N/A	N/A	N/A	Provided by LAB
E	Micro SD Card	SanDisk	N/A	N/A	N/A	Provided by LAB

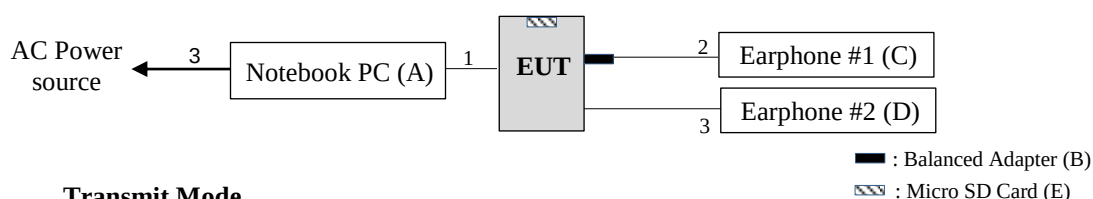
3.9.2. Cable Lists

No.	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	USB-C to A Cable	1	0.5	Yes	0	Supplied by Client
2	Earphone Cable	1	1.2	No	0	Supplied by Client
3	Earphone Cable	1	2.0	No	0	Provided by LAB
4	AC Power Cord (3C)	1	1.8	No	0	Provided by LAB

3.10. Setup Configuration

3.10.1. EUT Configuration for Power Line & Radiated Emission

Normal Mode

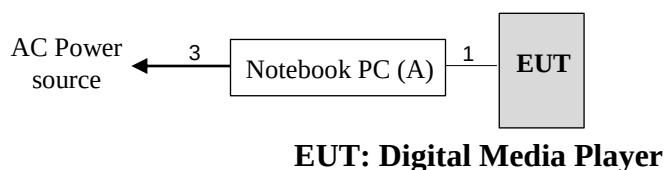


Transmit Mode



EUT: Digital Media Player

3.10.2. EUT Configuration for RF Conducted Test Items



3.11. Operating Condition of EUT

Normal Mode	Notebook PC sent 1kHz Data transmitting to Digital Media Player via audio in function.
Transmit Mode	Test program “QRCT V4.0-00211” is used for enabling EUT RF function under continue transmitting and choosing channel.

3.12. Description of Test Facility

Name of Test Firm	Audix Technology Corporation / EMC Department No. 491, Zhongfu Rd., Linkou Dist., New Taipei City 244, Taiwan Tel: +886-2-26092133 Fax: +886-2-26099303 Website : www.audixtech.com Contact e-mail: attemc_report@audixtech.com
Accreditations	The laboratory is accredited by following organizations under ISO/IEC 17025:2017 (1) NVLAP(USA) NVLAP Lab Code 200077-0 (2) TAF(Taiwan) No. 1724
Test Facilities	FCC OET Designation Number under APEC MRA by NCC is : TW1724 ISED CAB Identifier Number under APEC TEL MRA by NCC is TW1724 (1) No.8 Shielded Room (2) No.1 3m Semi Anechoic Chamber

3.13.Measurement Uncertainty

The measurement uncertainty levels have been estimated as specified in ETSI TR 100 028-2001

Test Items/Facilities			Frequency Range	Uncertainty
Conduction Test	☐	No. 7 Shielded Room	9kHz-150kHz	±3.7dB
			150kHz-30MHz	±3.4dB
	☒	No. 8 Shielded Room	9kHz-150kHz	±3.7dB
			150kHz-30MHz	±3.4dB
Radiation Test	☒	No.1 3m Semi Anechoic Chamber	30MHz-200MHz, 3m, Horizontal	±4.0dB
			200MHz-1000MHz, 3m, Horizontal	±4.0dB
			30MHz-200MHz, 3m, Vertical	±4.8dB
			200MHz-1000MHz, 3m, Vertical	±4.5dB
			1GHz-6GHz, 3m	±4.2dB
			6GHz-18GHz, 3m	±4.0dB
	☐	No.3 3m Semi Anechoic Chamber	30MHz-200MHz, 3m, Horizontal	±4.3dB
			200MHz-1000MHz, 3m, Horizontal	±4.0dB
			30MHz-200MHz, 3m, Vertical	±4.7dB
			200MHz-1000MHz, 3m, Vertical	±4.5dB
			1GHz-6GHz, 3m	±4.7dB
			6GHz-18GHz, 3m	±4.4dB
	☐	No.4 3m Semi Anechoic Chamber	30MHz-200MHz, 3m, Horizontal	±3.9dB
			200MHz-1000MHz, 3m, Horizontal	±3.9dB
			30MHz-200MHz, 3m, Vertical	±4.6dB
			200MHz-1000MHz, 3m, Vertical	±4.3dB
			1GHz-6GHz, 3m	±4.6dB
			6GHz-18GHz, 3m	±4.1dB
	☐	No.5 3m Semi Anechoic Chamber	30MHz-200MHz, 3m, Horizontal	±4.4dB
			200MHz-1000MHz, 3m, Horizontal	±4.2dB
			30MHz-200MHz, 3m, Vertical	±4.9dB
			200MHz-1000MHz, 3m, Vertical	±5.1dB
			1GHz-6GHz, 3m	±4.4dB
			6GHz-18GHz, 3m	±4.0dB
	Radiated emissions (18GHz-40GHz)		18GHz-40GHz, 3m	±3.6dB

Remark : Uncertainty = $k_{uc}(y)$

Test Items	Uncertainty	
Bandwidth	99%	±0.48%
	26dB	±0.36%
Maximum output power	±0.42dB	
Power spectral density	±0.5dB	

4. MEASUREMENT EQUIPMENT LIST

4.1. Conducted Emission Measurement

Item	Type	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
1.	Test Receiver	R&S	ESR3	101774	2025.12.30	1 Year
2.	A.M.N.	R&S	ENV432	101567	2026.07.14	1 Year
3.	L.I.S.N	Kyoritsu	KNW-407	8-1370-9	2026.01.29	1 Year
4.	Pulse Limiter	R&S	ESH3-Z2	100354	2025.12.04	1 Year
5.	Signal Cable	Yeida	RG/58AU	CE-08	2026.09.02	1 Year
6.	Digital Thermo-Hygro Meter	iMax	HTC-1	No.8 S/R	2026.04.08	1 Year
7.	Test Software	Audix	e3	V9 18621a	N.C.R.	N.C.R.

4.2. Radiated Emission Measurement

Item	Type	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
1.	Spectrum Analyzer	Agilent	N9010A-526	MY53400071	2025.08.07	1 Year
	Spectrum Analyzer	Agilent	N9010A-526	MY53400071	2026.07.27	1 Year
2.	Spectrum Analyzer	Keysight	N9020B	MY57120357	2026.01.27	1 Year
3.	Test Receiver	R&S	ESCS30	100338	2026.06.15	1 Year
4.	Amplifier	HP	8447D	2944A06305	2025.12.11	1 Year
5.	Amplifier	HP	8449B	3008A01284	2026.06.30	1 Year
6.	Amplifier	Agilent	8449B	3008A02678	2026.02.23	1 Year
7.	Amplifier	SGH	SGH184	20221107-2	2026.07.02	1 Year
8.	Loop antenna	TESEQ	HLA 6121	60478	2026.06.03	1 Year
9.	Bilog Antenna	TESEQ	CBL6112D	33821	2026.02.06	1 Year
10.	Horn Antenna	EMCO	3115	9112-3775	2026.04.29	1 Year
11.	Horn Antenna	COM-POWER	AH-840	10090054	2025.09.03	1 Year
	Horn Antenna	COM-POWER	AH-840	10090054	2026.09.03	1 Year
12.	5G Notch Filter	Microwave Circuits	N0452502	459775	2026.04.08	1 Year
13.	5G Notch Filter	Microwave Circuits	N0555983	504921	2026.04.08	1 Year
14.	5G Notch Filter	Microwave Circuits	N0257881	459776	2026.04.08	1 Year
15.	Coaxial Cable	MIYAZAKI	5D2W	RE-11	2026.01.02	1 Year
16.	Coaxial Cable	HUBER+SUHNER	RG223/U	RE-33	2026.06.09	1 Year
17.	Coaxial Cable	HUBER+SUHNER	SUCOFLEX 106	RE-14	2025.12.17	1 Year
18.	Coaxial Cable	EMEC	EM102A	RE-38	2025.07.11	1 Year
	Coaxial Cable	EMEC	EM102A	RE-38	2026.07.10	1 Year
19.	Digital Thermo-Hygro Meter	iMax	HTC-1	No.1 3m A/C	2026.04.08	1 Year
20.	Test Software	Audix	e3	V9 18621a	N.C.R.	N.C.R.



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4.3. RF Conducted Measurement

Item	Type	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
1.	Spectrum Analyzer	Keysight	N9030B	MY61330403	2025.12.12	1 Year
2.	AC Transformer	TSAN YAW	ATF-189	N/A	N.C.R.	N.C.R.
3.	Power Meter	Anritsu	ML2495A	2127004	2025.11.18	1 Year
4.	Power Sensor	Anritsu	MA2411B	1911360	2025.11.18	1 Year
5.	Digital Thermo-Hygro Meter	iMax	HTC-1	RF-03	2026.04.08	1 Year

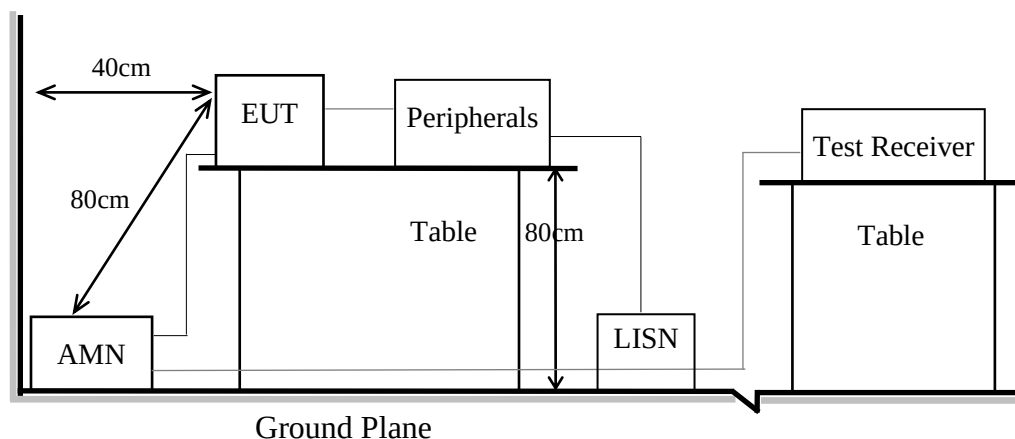
5. CONDUCTED EMISSION

5.1. Block Diagram of Test Setup

5.1.1. Block Diagram of EUT

Indicated as section 3.10

5.1.2. Shielded Room Setup Diagram



5.2. Conducted Emission Limit

Frequency	Conducted Limit	
	Quasi-Peak Level	Average Level
150kHz ~ 500kHz	66 ~ 56 dB μ V	56 ~ 46 dB μ V
500kHz ~ 5MHz	56 dB μ V	46 dB μ V
5MHz ~ 30MHz	60 dB μ V	50 dB μ V

- Remark 1. If the average limit is met when using a Quasi-Peak detector, the measurement using the average detector is not required.
2. The lower limit applies to the band edges.

5.3. Test Procedure

- 5.3.1. To set up the EUT as indicated in ANSI C63.10. The EUT was placed on the table which has 80 cm height to the ground and 40 cm distance to the conducting wall.
- 5.3.2. Power supplier of the EUT was connected to the AC mains through an Artificial Mains Network (A.M.N.).
- 5.3.3. The AC power supplies to all peripheral devices must be provided through line impedance stabilization network (L.I.S.N.)
- 5.3.4. Checking frequency range from 150kHz to 30 MHz and record the emission which does not have 20 dB below limit.

5.4. Test Results

Please refer to Appendix A.

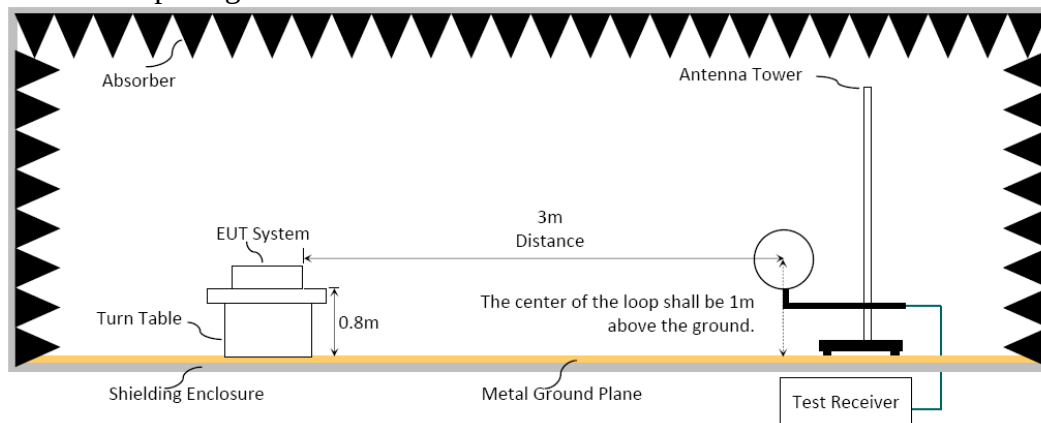
6. RADIATED EMISSION

6.1. Block Diagram of Test Setup

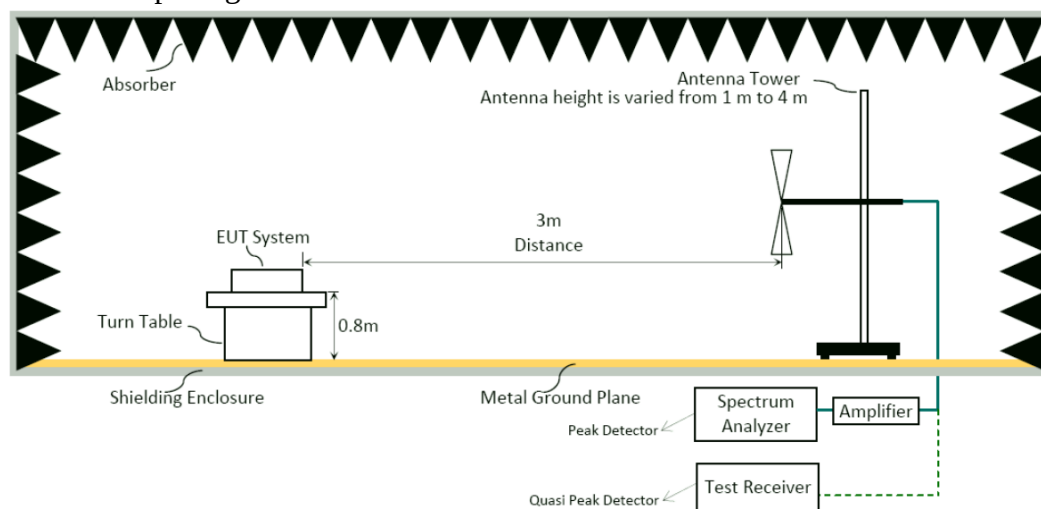
6.1.1. Block Diagram of EUT

Indicated as section 3.10

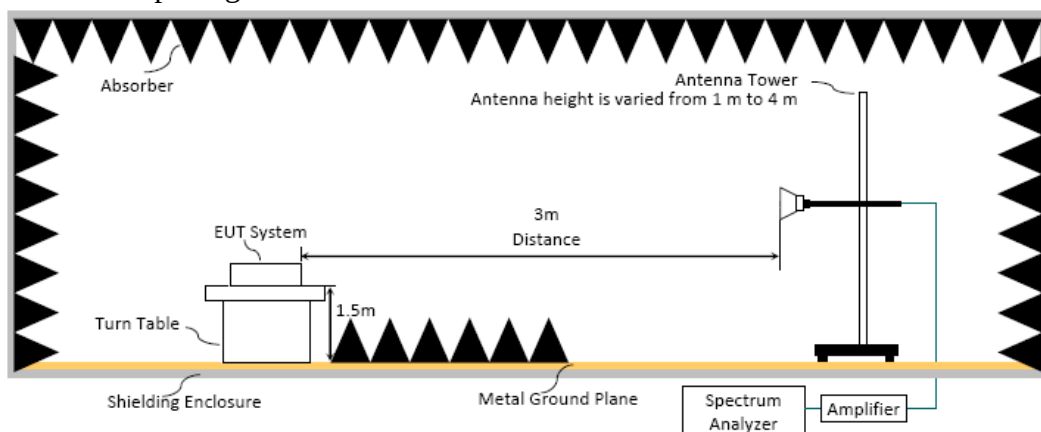
6.1.2. Setup Diagram for 9kHz-30MHz



6.1.3. Setup Diagram for 30-1000MHz



6.1.4. Setup Diagram for above 1GHz



6.2. Radiated Emission Limits

In any 100kHz bandwidth outside the frequency band, the radio frequency power produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level. In addition, radiated emissions which fall in restricted bands, as defined in Section 15.20, must also comply with the radiated emission limits specified as below.

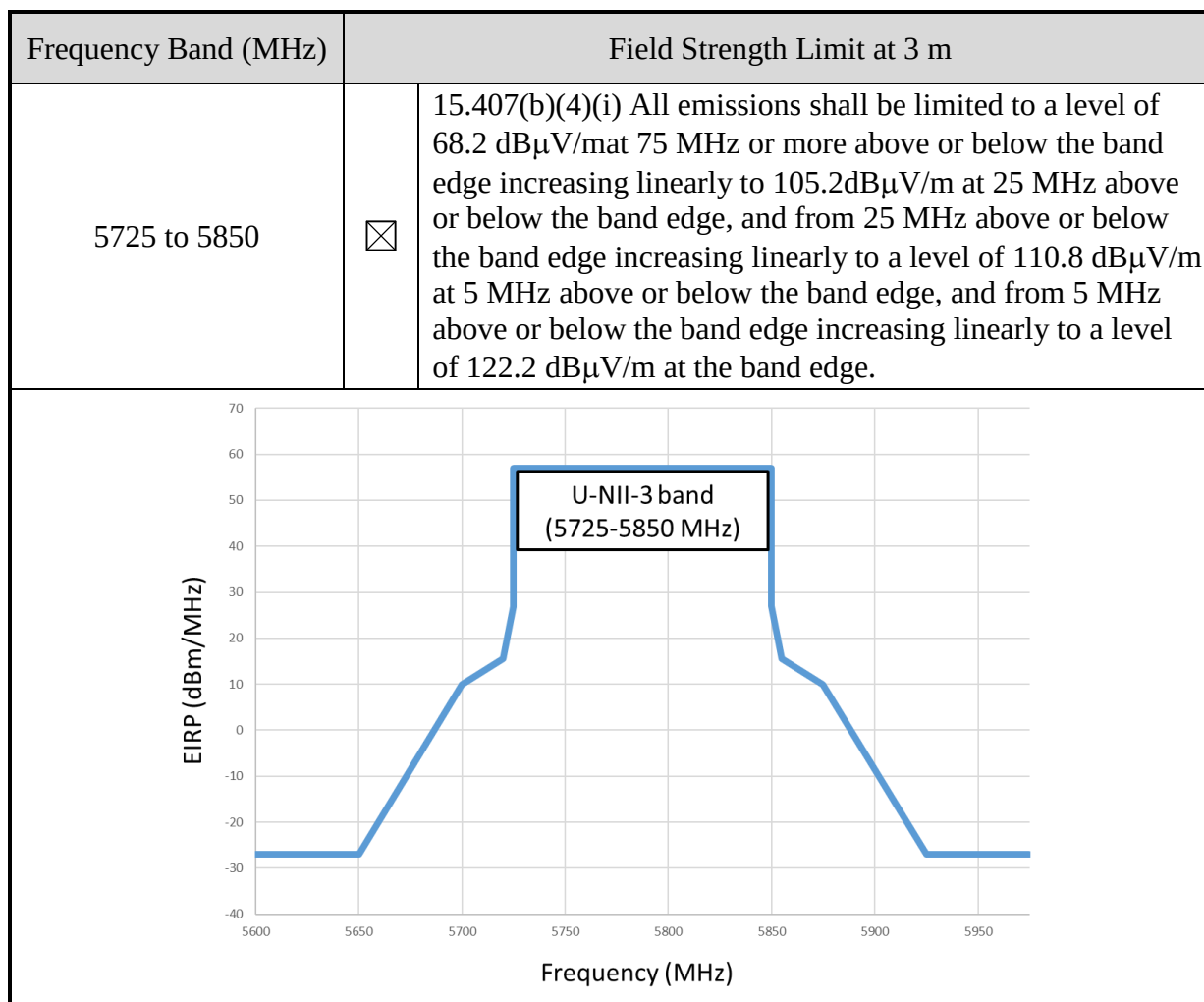
Frequency (MHz)	Distance(m)	Limits	
		dBμV/m	μV/m
0.009 - 0.490	300	67.6-20 log f(kHz)	2400/f kHz
0.490 - 1.705	30	87.6-20 log f(kHz)	24000/f kHz
1.705 - 30	30	29.5	30
30 - 88	3	40.0	100
88- 216	3	43.5	150
216- 960	3	46.0	200
Above 960	3	54.0	500
Above 1000	3	74.0 dBμV/m (Peak) 54.0 dBμV/m (Average)	

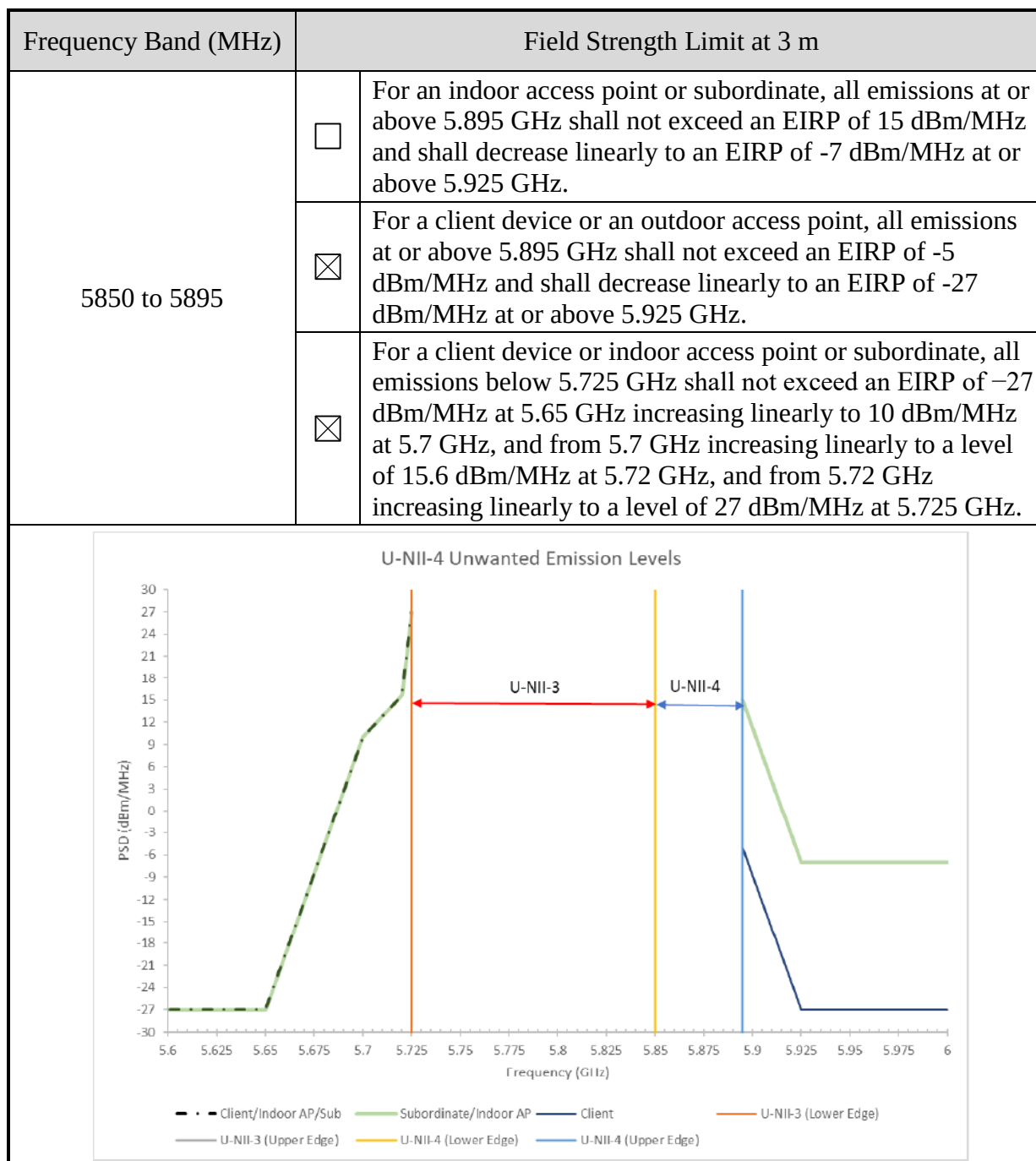
Remark : (1) $\text{dB}\mu\text{V/m} = 20 \log (\mu\text{V/m})$

- (2) The tighter limit applies to the edge between two frequency bands.
- (3) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
- (4) Fundamental and emission fall within operation band are exempted from this section.
- (5) Pursuant to ANSI C63.10: 6.6.4.3, if the maximized peak measured value complies with the average limit, then it is unnecessary to perform an average measurement.

6.2.1. Limit for non-restricted frequency above 1 GHz

All emission levels below the FCC 15.209(a) general radiated emissions limits are not required.





6.3. Test Procedure

Frequency Range 9kHz~30MHz:

The EUT setup on the turntable which has 0.8 m height to the ground. The turn table rotated 360 degrees and antenna fixed to 1 m to find the maximum emission level. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10-2020 regulation.

(1) RBW = 9kHz with peak and average detector.

(2) Detector: average and peak (9kHz-490kHz)

Q.P. (490kHz-30MHz)

Frequency Range 30MHz ~ 40GHz:

The EUT setup on the turn table which has 80cm (for 30-1000MHz) and 1.5m (for above 1GHz) height to the ground. The turn table rotated 360 degrees and antenna varied from 1 m to 4 m to find the maximum emission level. Both horizontal and vertical polarization are required. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10-2020 regulation.

Frequency below 1GHz:

Spectrum Analyzer is used for pre-testing with following setting:

(1) RBW = 120kHz

(2) VBW $\geq 3 \times$ RBW.

(3) Detector = Peak.

(4) Sweep time = auto.

(5) Trace mode = max hold.

(6) Allow sweeps to continue until the trace stabilizes.

Note 1: When peak-detected value is lower than limit that the measurement using the Q.P. detector is not required, otherwise using Q.P. for final measurement.

Note 2: When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds.

Frequency above 1GHz to 10th harmonic(up to 40 GHz):

Peak Detector:

(1) RBW = 1MHz

(2) VBW $\geq 3 \times$ RBW.

(3) Detector = Peak.

(4) Sweep time = auto.

(5) Trace mode = max hold.

(6) Allow sweeps to continue until the trace stabilizes.

Note: When peak-detected value is lower than limit that the measurement using the average detector is not required, otherwise using average detector for final measurement.

Average Detector:

☒ Option 1:

(1) RBW = 1MHz

(2) VBW $\geq 1/T$. (Duty Cycle < 98%, when duty cycle presented in section 3.7)

(3) VBW = set VBW $\leq$ RBW / 100, but not less than 10Hz (Duty Cycle $\geq$ 98%, when duty cycle presented in section 3.7)

Mode		VBW Setting
802.11a		10Hz
802.11n-HT20		10Hz
802.11n-HT40		10Hz
802.11ac-VHT20		10Hz
802.11ac-VHT40		10Hz
802.11ac-VHT80		10Hz
802.11ac-VHT160		10Hz
802.11ax-HE20		10Hz
802.11ax-HE40		10Hz
802.11ax-HE80		10Hz
802.11ax-HE160		10Hz
Mode	RU Tone	VBW Setting
802.11ax-HE20	26	10Hz
	52	10Hz
	106	10Hz

(4) Detector = Peak.

(5) Sweep time = auto.

(6) Trace mode = max hold.

(7) Allow sweeps to continue until the trace stabilizes.

☐ Option 2:

Average Emission Level (dB μ V/m) = Peak Emission Level (dB μ V/m) + DCCF (dB).

6.4. Measurement Result Explanation

☒ Peak Emission Level (dB μ V/m) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB) + Reading (dB μ V).

☒ Average Emission Level (dB μ V/m) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB) + Reading (dB μ V).

☐ Average Emission Level (dB μ V/m) = Peak Emission Level (dB μ V/m) + DCCF (dB)
Duty Cycle Correction Factor (DCCF) (dB) = 20log (TX_{on}/TX_{on+off}) presented in section 3.7.

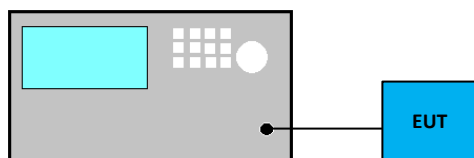
☐ ERP (dBm) = Peak Emission Level (dB μ V/m) - 95.2dB - 2.14dB

6.5. Test Results

Please refer to Appendix A.

7. EMISSION/OCCUPIED BANDWIDTH

7.1. Block Diagram of Test Setup



7.2. Specification Limits

Frequency Band (MHz)	Limit
5150 to 5250	Reference only
5250 to 5350	
5470 to 5725	
5725 to 5895	$\geq 500\text{kHz}$

7.3. Test Procedure

Following measurement procedure is reference to KDB 789033 D02 General UNII Test Procedures New Rules v02r01:

For Emission Bandwidth

■ Applicable to all bands except to 5725 MHz- 5895 MHz

- (1) Set RBW= 1% of the emission bandwidth
- (2) Set VBW > RBW
- (3) Detector = Peak
- (4) Trace mode = max hold
- (5) Setting channel bandwidth function x dB to -26 dB to record the final bandwidth.

■ Minimum Emission Bandwidth for the band 5725 MHz –5895 MHz.

- (1) Set RBW = 100 kHz.
- (2) Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- (3) Detector = Peak.
- (4) Trace mode = max hold.
- (5) Sweep = auto couple.
- (6) Allow the trace to stabilize.
- (7) Setting channel bandwidth function x dB to -6 dB to record the final bandwidth.

For 99% Occupied Bandwidth

- (1) Set Span range 1.5~5 times the OBW
- (2) Set RBW close to 1% to 5% of OBW.
- (3) Set $VBW \geq 3 \times RBW$.
- (4) Detector = Peak.
- (5) Trace mode = Max hold
- (6) Sweep = Auto couple.
- (7) Allow the trace to stabilize.

7.4. Test Results

Please refer to Appendix A

8. MAXIMUM OUTPUT POWER

8.1. Block Diagram of Test Setup



8.2. Specification Limits

Frequency Band (MHz)	Category	Limit
5150 to 5250	Outdoor Access Point	1 W(30 dBm)/ Max e.i.r.p. ≤ 125 mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon
	Fixed point-to-point Access Point	1 W(30 dBm)
	Indoor Access Point	1 W(30 dBm)
	Mobile and Portable client device	250 mW(24 dBm)
5250 to 5350	N/A	250 mW or 11 dBm + 10 log B ^{Note1}
5470 to 5725		250 mW or 11 dBm + 10 log B ^{Note1}
5725 to 5850	N/A	1 W(30 dBm)
5850 to 5895	indoor access point	4 W (36 dBm) (e.i.r.p.)
	client devices	1 W (30 dBm) (e.i.r.p.)
	subordinate device	4 W (36 dBm) (e.i.r.p.)

Note 1: B is the 26 dB emission bandwidth, which presented in section 7 and appendix A.1.

8.3. Test Procedure

Following measurement procedure is reference to KDB 789033 D02 General UNII Test Procedures New Rules v02r01 and KDB 291074 D02 EMC Measurement v01:

☑ Method AVGPM (Measurement using an RF average power meter):

EUT is connected to power sensor and record the maximum average output power and duty cycle factor is added when duty cycle presented in section 3.7 is < 98%.

☑ Method AVGSA-2 (Spectrum channel power):

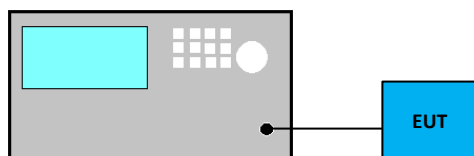
- (1) Set span to at least 1.5 times the OBW
- (2) Set RBW = 1 MHz
- (3) Set the video bandwidth (VBW) $\geq$ 3 MHz.
- (4) Detector = RMS.
- (5) Trace mode = trace average at least 100 traces
- (6) Sweep = auto couple.
- (7) Compute power by integrating the spectrum across the OBW of the signal using the instrument's band power measurement function with band limits set equal to the OBW band edges.
- (8) Duty cycle factor is added when duty cycle presented in section 3.7 is < 98%.

8.4. Test Results

Please refer to Appendix A

9. POWER SPECTRAL DENSITY

9.1. Block Diagram of Test Setup



9.2. Specification Limits

Frequency Band (MHz)	Category	Limit
5150 to 5250	Outdoor Access Point	17dBm/MHz
	Fixed point-to-point Access Point	
	Indoor Access Point	
	Mobile and Portable client device	11 dBm/MHz
5250 to 5350	N/A	11 dBm/MHz
5470 to 5725		11 dBm/MHz
5725 to 5850		30 dBm/500kHz
5850 to 5895	indoor access point	20dBm/MHz(e.i.r.p.)
	client devices	14dBm/MHz(e.i.r.p.)
	subordinate device	20dBm/MHz(e.i.r.p.)

9.3. Test Procedure

Following measurement procedure is reference to KDB 789033 D02 General UNII Test Procedures New Rules v02r01 and KDB 291074 D02 EMC Measurement v01:

■ Method AVGSA-2

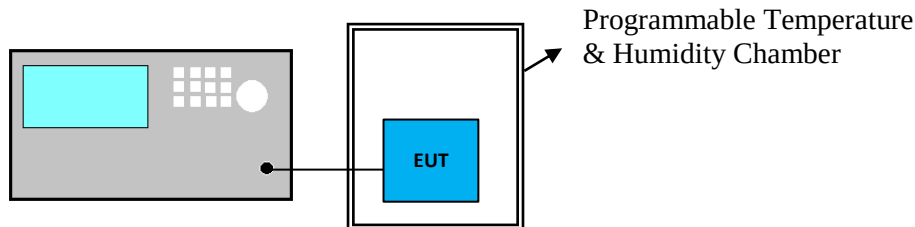
- (1) Set span to encompass the EBW (or 99% OBW) of the signal.
- (2) Set RBW = 1 MHz (Applicable to all bands except to 5725 MHz- 5895 MHz)/
Set RBW=100 KHz(when EUT operate at 5725 MHz- 5895 MHz)
- (3) Set the video bandwidth (VBW) ≥ 3 RBW.
- (4) Detector = RMS.
- (5) Trace mode = trace average at least 100 traces
- (6) Sweep = auto couple.
- (7) Use peak search function to find out the maximum power density.
- (8) Duty cycle factor is added when duty cycle presented in section 3.7 is $< 98\%$.
- (9) Offset BWCF (7dB) when EUT operate at 5725 MHz – 5850 MHz.

9.4. Test Results

Please refer to Appendix A

10. FREQUENCY STABILITY

10.1. Block Diagram of Test Setup



10.2. Specification Limits

NONE

10.3. Test Procedure

- (1) Frequency: Test frequency.
- (2) Span: enough to cover the complete power envelope
- (3) RBW: 1MHz(modulation ON) ; 10KHz(CW)
- (4) VBW: 1MHz(modulation ON) ; 10KHz(CW)
- (5) Detector Mode: Positive Peak
- (6) Indication mode: Max hold
- (7) Find the peak frequency and take calculate by the formula:
(Measurement Value-declaration frequency)/ declaration frequency)

10.4. Test Results

Please refer to Appendix A



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11.DEVIATION TO TEST SPECIFICATIONS

【NONE】



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APPENDIX A

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APPENDIX A

TEST DATA AND PLOTS

(Model: YY1305B)

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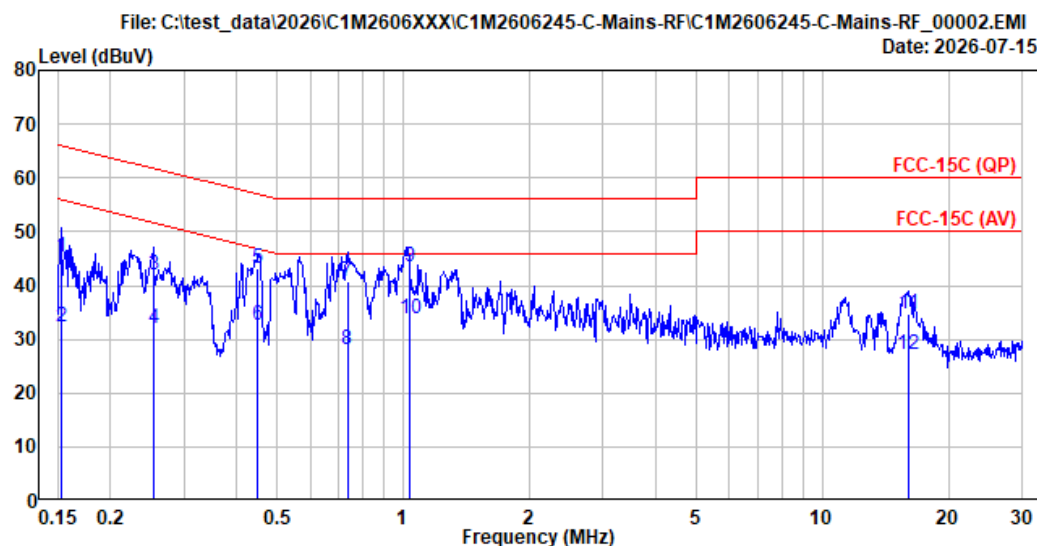
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A.1 CONDUCTED EMISSION

Test Date	2026/07/15	Temp./Hum.	24°C/57%
Test Voltage	DC 5V (Via USB)	Tested By	Jemy Wang



Site No.	: No.8 Shielded Room	Data No.	: 2
Instrument 1	: Receiver ESR(774)		
Instrument 2	: ENV432 (567)(A) CE-08 ESH3-Z2 (354)		
Limit	: FCC-15C (QP)	Phase	: Neutral
Environment	: 24°C/57%	Test Rating	: DC 5V
EUT Model	: YY1305B	Engineer	: Jemy Wang
Test Mode	: Operating		

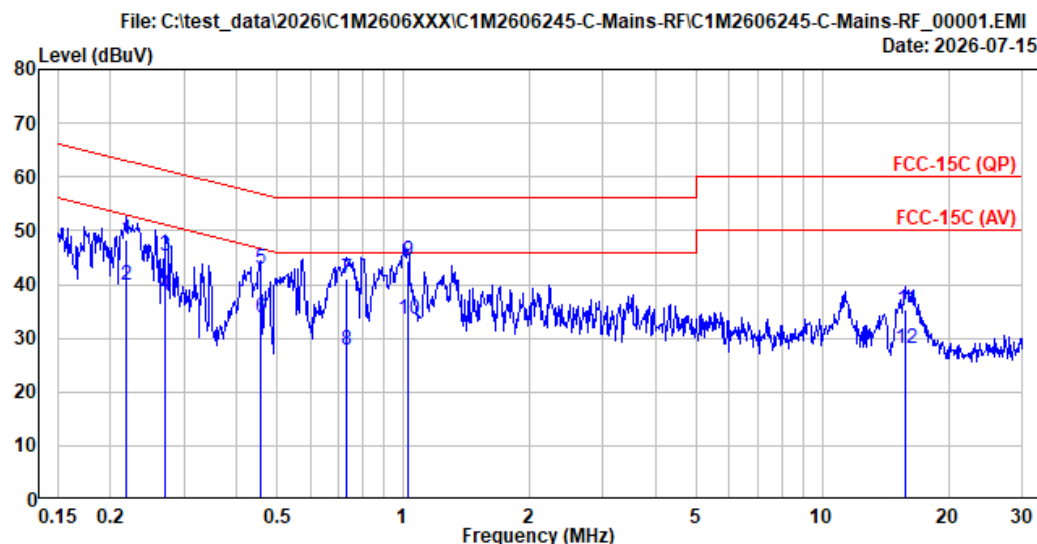
	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.152	10.33	0.03	9.85	25.19	45.40	65.88	20.48	QP
2	0.152	10.33	0.03	9.85	12.20	32.41	55.88	23.47	Average
3	0.253	10.31	0.03	9.85	21.84	42.03	61.65	19.62	QP
4	0.253	10.31	0.03	9.85	11.95	32.14	51.65	19.51	Average
5	0.449	10.30	0.03	9.85	22.85	43.03	56.89	13.86	QP
6	0.449	10.30	0.03	9.85	12.46	32.64	46.89	14.25	Average
7	0.736	10.31	0.04	9.85	20.60	40.80	56.00	15.20	QP
8	0.736	10.31	0.04	9.85	7.89	28.09	46.00	17.91	Average
9	1.036	10.31	0.04	9.85	23.33	43.53	56.00	12.47	QP
10	1.036	10.31	0.04	9.85	13.57	33.77	46.00	12.23	Average
11	16.009	10.83	0.18	9.92	13.90	34.83	60.00	25.17	QP
12	16.009	10.83	0.18	9.92	6.33	27.26	50.00	22.74	Average

Remarks: 1. Emission Level(dBμV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBμV).

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Test Date	2026/07/15	Temp./Hum.	24°C/57%
Test Voltage	DC 5V (Via USB)	Tested By	Jemy Wang



Site No.	: No.8 Shielded Room	Data No.	: 1
Instrument 1	: Receiver ESR(774)		
Instrument 2	: ENV432 (567)(A) CE-08 ESH3-Z2 (354)		
Limit	: FCC-15C (QP)	Phase	: Line
Environment	: 24°C/57%	Test Rating	: DC 5V
EUT Model	: YY1305B	Engineer	: Jemy Wang
Test Mode	: Operating		

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.218	10.37	0.03	9.85	27.95	48.20	62.90	14.70	QP
2	0.218	10.37	0.03	9.85	19.69	39.94	52.90	12.96	Average
3	0.270	10.36	0.03	9.85	24.98	45.22	61.11	15.89	QP
4	0.270	10.36	0.03	9.85	17.91	38.15	51.11	12.96	Average
5	0.458	10.35	0.03	9.85	22.52	42.75	56.73	13.98	QP
6	0.458	10.35	0.03	9.85	13.72	33.95	46.73	12.78	Average
7	0.732	10.36	0.04	9.85	20.66	40.91	56.00	15.09	QP
8	0.732	10.36	0.04	9.85	7.60	27.85	46.00	18.15	Average
9	1.027	10.36	0.04	9.85	24.22	44.47	56.00	11.53	QP
10	1.027	10.36	0.04	9.85	13.31	33.56	46.00	12.44	Average
11	15.851	10.70	0.18	9.92	14.65	35.45	60.00	24.55	QP
12	15.851	10.70	0.18	9.92	7.23	28.03	50.00	21.97	Average

Remarks: 1. Emission Level(dBμV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBμV).

A.2 RADIATED EMISSION

Test Date	2028/06/26 ~ 08/24	Temp./Hum.	23 ~ 26°C/55 ~ 60%
Test Voltage	(1)DC 5V (Via USB) (2) DC 3.8V (Via Battery)	Tested By	Ming Shih

A.2.1 Emissions within Restricted Frequency Bands

A.2.1.1 Frequency 9kHz~30MHz

The emissions (9kHz~30MHz) not reported for there is no emission be found.

A.2.1.2 Frequency Below 1GHz

● Normal Mode

Mode	Normal Mode	Frequency	---
------	-------------	-----------	-----

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
30.808	22.82	1.22	26.48	30.31	27.87	40.00	12.13	Peak
196.517	15.77	3.36	25.78	39.08	32.43	43.50	11.07	Peak
276.542	19.22	4.14	25.64	35.38	33.10	46.00	12.90	Peak
295.133	19.52	4.32	25.62	36.70	34.92	46.00	11.08	Peak
517.425	23.84	6.47	27.17	33.10	36.23	46.00	9.77	Peak
607.958	24.75	6.81	27.35	32.40	36.61	46.00	9.39	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
41.317	18.69	1.41	26.46	42.28	35.93	40.00	4.07	Peak
140.742	17.70	2.77	26.02	32.60	27.05	43.50	16.45	Peak
277.350	19.24	4.15	25.64	32.93	30.68	46.00	15.32	Peak
383.242	21.73	5.34	26.32	32.20	32.95	46.00	13.05	Peak
424.467	22.51	5.75	26.62	32.73	34.37	46.00	11.63	Peak
603.108	24.73	6.78	27.35	32.27	36.43	46.00	9.57	Peak

● Wireless LAN Mode

Mode	802.11n-HT40	U-NII Band	U-NII Band 2C
		Frequency	TX 5550MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
34.850	21.80	1.30	26.47	30.75	27.38	40.00	12.62	Peak
197.325	15.77	3.37	25.78	37.76	31.12	43.50	12.38	Peak
274.925	19.20	4.13	25.64	35.42	33.10	46.00	12.90	Peak
294.325	19.51	4.31	25.62	35.86	34.06	46.00	11.94	Peak
517.425	23.84	6.47	27.17	32.37	35.51	46.00	10.49	Peak
608.767	24.76	6.81	27.35	31.86	36.07	46.00	9.93	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
37.275	20.62	1.34	26.47	40.28	35.77	40.00	4.23	Peak
44.550	17.19	1.47	26.46	43.29	35.50	40.00	4.50	Peak
52.633	14.39	1.61	26.44	43.98	33.54	40.00	6.46	Peak
481.858	23.39	6.25	27.02	31.83	34.45	46.00	11.55	Peak
533.592	24.02	6.53	27.21	32.24	35.58	46.00	10.42	Peak
653.225	24.93	7.06	27.36	31.99	36.63	46.00	9.37	Peak

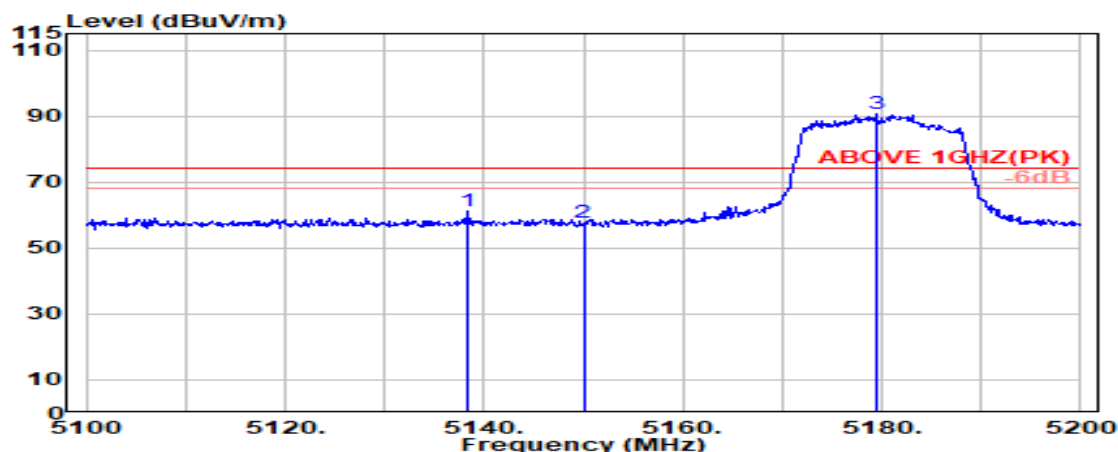
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A.2.1.3 Frequency Above 1 GHz to 10th harmonics

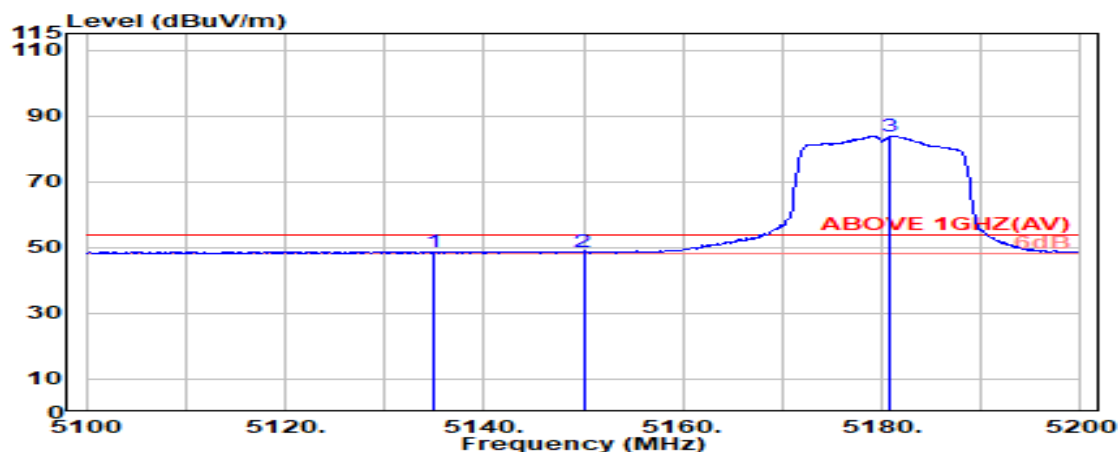
Band Edge:

Mode	802.11a	U-NII Band	U-NII Band 1
		Frequency	TX 5180MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5138.400	33.48	10.74	34.13	51.14	61.23	74.00	12.77	Peak
5150.000	33.50	10.76	34.12	47.78	57.92	74.00	16.08	Peak
@ 5179.500	33.38	10.82	34.11	80.61	90.71	---	---	Peak



Antenna at Horizontal Polarization

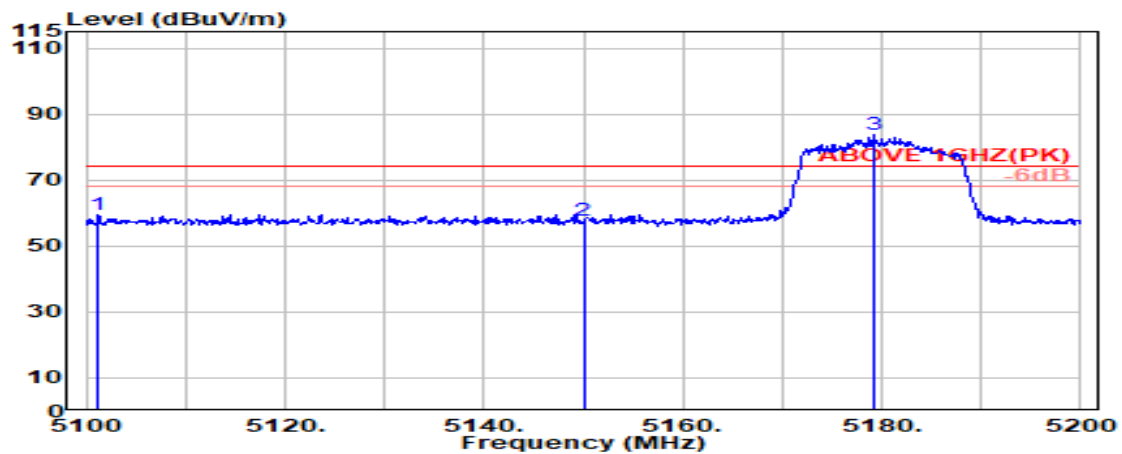
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5134.900	33.47	10.73	34.13	38.75	48.82	54.00	5.18	Average
5150.000	33.50	10.76	34.12	38.43	48.57	54.00	5.43	Average
@ 5180.800	33.38	10.82	34.11	73.73	83.82	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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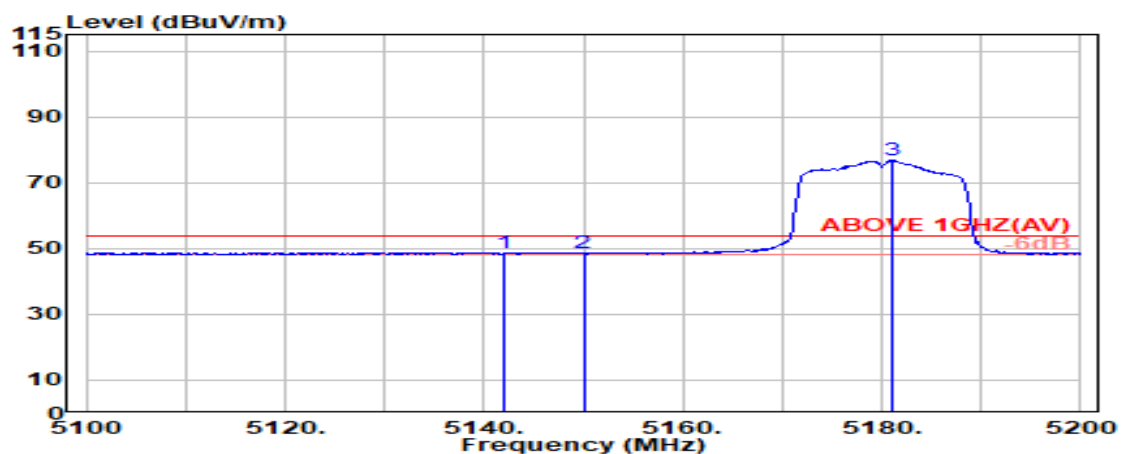
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Mode	802.11a	U-NII Band	U-NII Band 1
		Frequency	TX 5180MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5101.200	33.40	10.66	34.14	49.70	59.63	74.00	14.37	Peak
5150.000	33.50	10.76	34.12	47.41	57.55	74.00	16.45	Peak
@ 5179.100	33.38	10.82	34.11	73.56	83.66	---	---	Peak



Antenna at Vertical Polarization

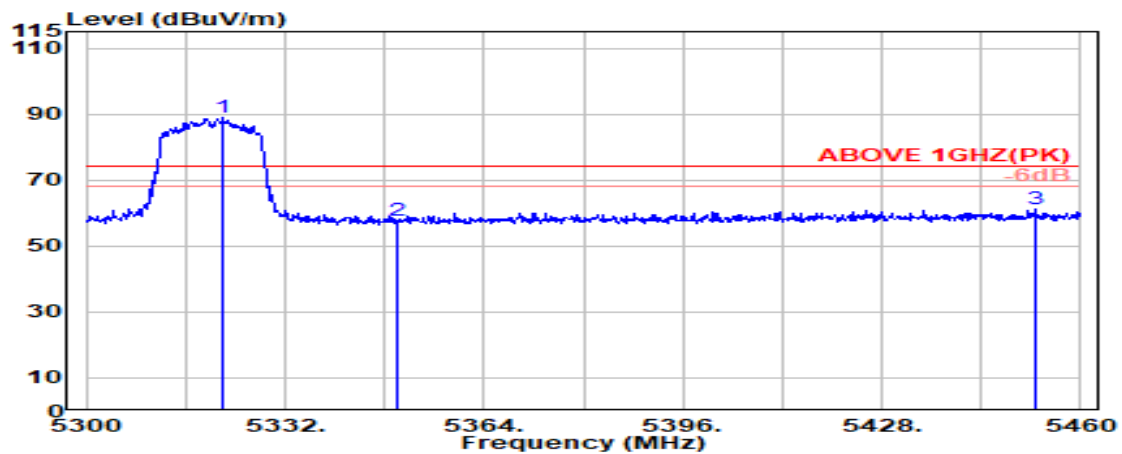
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5142.100	33.48	10.75	34.12	38.68	48.79	54.00	5.21	Average
5150.000	33.50	10.76	34.12	38.48	48.62	54.00	5.38	Average
@ 5181.000	33.38	10.82	34.11	66.60	76.70	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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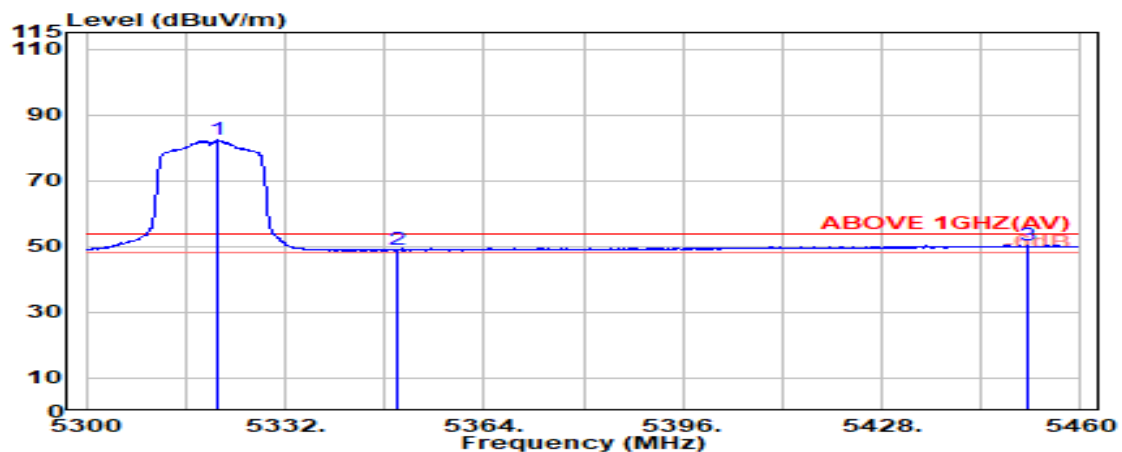
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Mode	802.11a	U-NII Band	U-NII Band 2A
		Frequency	TX 5320MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5322.031	33.50	11.11	34.06	78.31	88.86	---	---	Peak
5350.000	33.50	11.16	34.05	47.07	57.69	74.00	16.31	Peak
5452.738	34.09	11.36	34.01	49.87	61.32	74.00	12.68	Peak

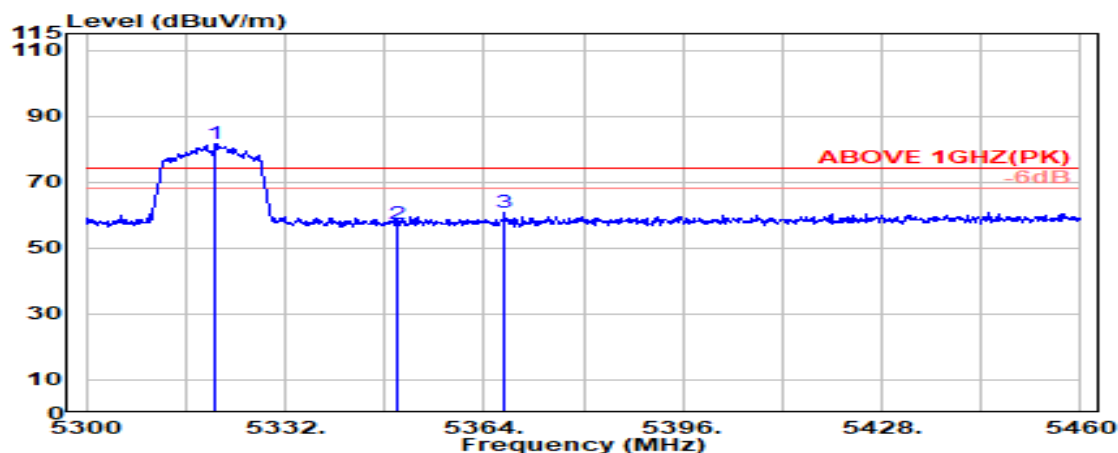


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5321.292	33.50	11.11	34.06	71.79	82.34	---	---	Average
5350.000	33.50	11.16	34.05	38.28	48.90	54.00	5.10	Average
5451.631	34.09	11.36	34.01	38.83	50.28	54.00	3.72	Average

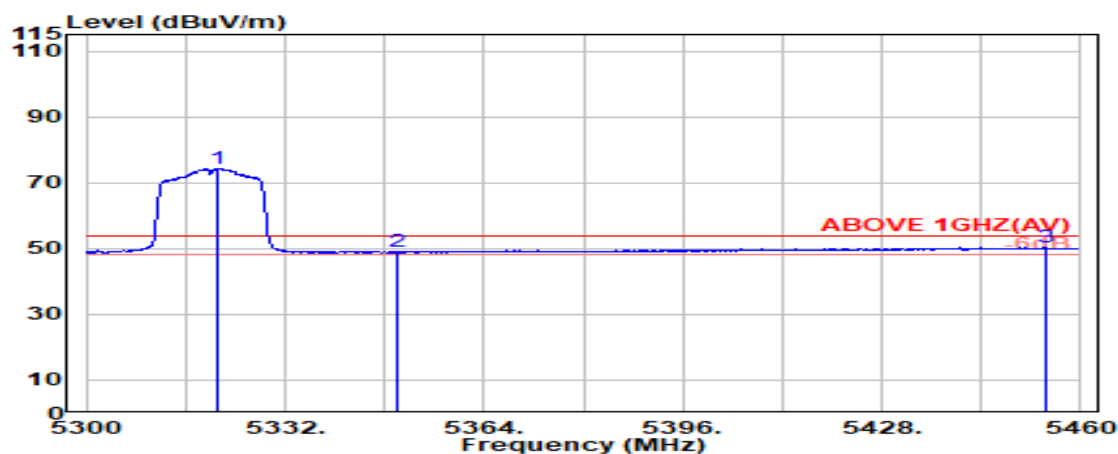
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	802.11a	U-NII Band	U-NII Band 2A
		Frequency	TX 5320MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 5320.800	33.50	11.10	34.06	71.11	81.66	---	---	Peak
5350.000	33.50	11.16	34.05	46.74	57.36	74.00	16.64	Peak
5367.323	33.57	11.20	34.04	49.96	60.69	74.00	13.31	Peak



Antenna at Vertical Polarization

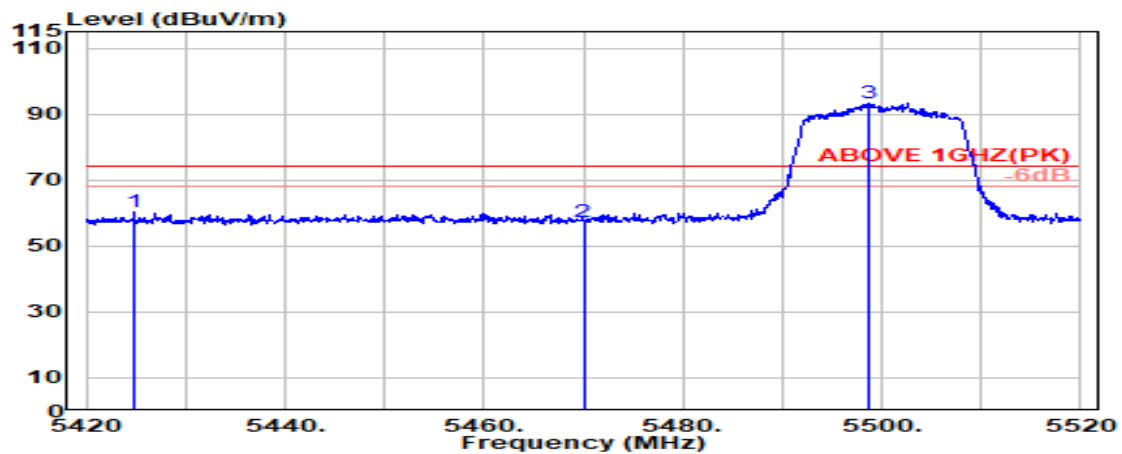
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@ 5321.292	33.50	11.11	34.06	63.86	74.41	---	---	Average
5350.000	33.50	11.16	34.05	38.36	48.97	54.00	5.03	Average
5454.584	34.08	11.37	34.01	38.78	50.22	54.00	3.78	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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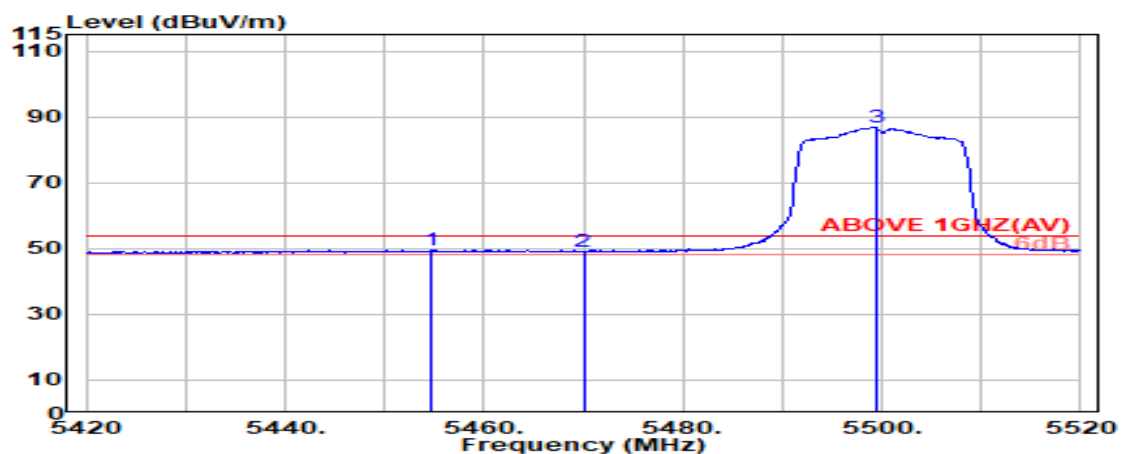
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Mode	802.11a	U-NII Band	U-NII Band 2C
		Frequency	TX 5500MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5424.769	33.90	11.31	34.02	49.06	60.25	74.00	13.75	Peak
5470.000	34.02	11.40	34.00	45.70	57.12	74.00	16.88	Peak
@ 5498.769	33.90	11.45	33.99	81.96	93.32	---	---	Peak



Antenna at Horizontal Polarization

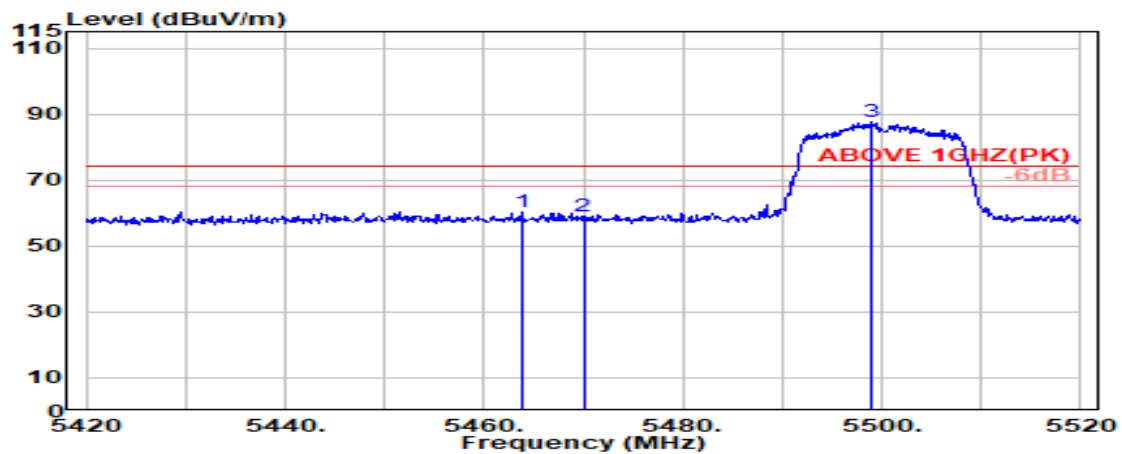
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5454.600	34.08	11.37	34.01	38.07	49.51	54.00	4.49	Average
5470.000	34.02	11.40	34.00	37.70	49.11	54.00	4.89	Average
@ 5499.400	33.90	11.45	33.99	75.53	86.89	---	---	Average

Remark: The "@" means fundamental frequency, it is ignored in this section.

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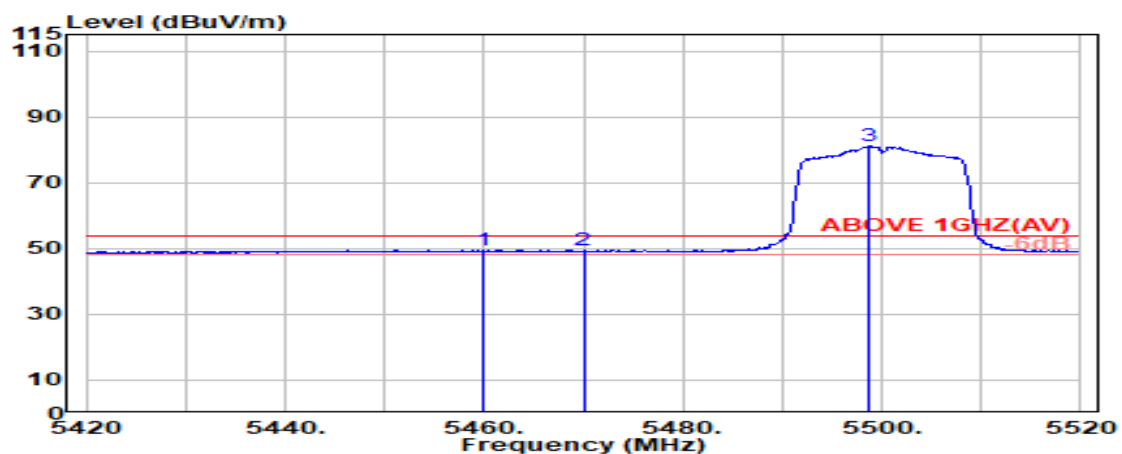
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Mode	802.11a	U-NII Band	U-NII Band 2C
		Frequency	TX 5500MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5463.800	34.04	11.38	34.00	48.97	60.40	74.00	13.60	Peak
5470.000	34.02	11.40	34.00	47.46	58.88	74.00	15.12	Peak
@ 5498.900	33.90	11.45	33.99	76.33	87.69	---	---	Peak

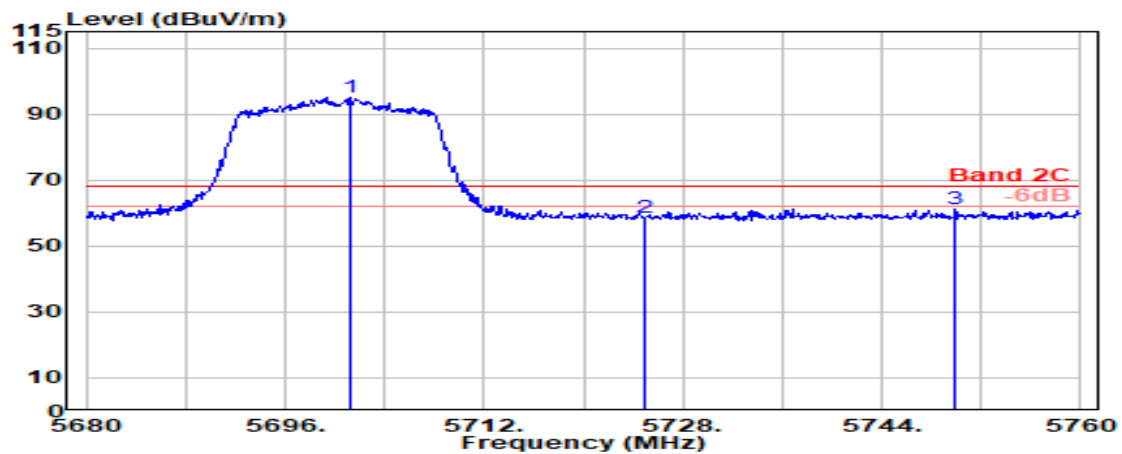


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5459.900	34.06	11.38	34.00	38.00	49.43	54.00	4.57	Average
5470.000	34.02	11.40	34.00	37.85	49.27	54.00	4.73	Average
@ 5498.700	33.91	11.45	33.99	69.68	81.04	---	---	Average

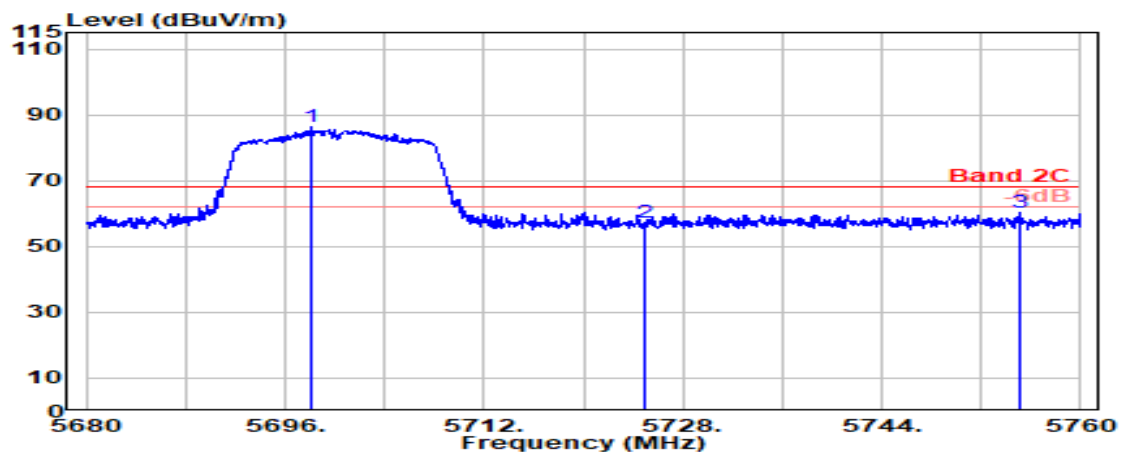
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	802.11a	U-NII Band	U-NII Band 2C
		Frequency	TX 5700MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5701.200	33.21	11.83	34.06	84.16	95.14	---	---	Peak
5725.000	33.45	11.88	34.07	47.24	58.50	68.20	9.70	Peak
5749.920	33.70	11.92	34.08	49.75	61.29	68.20	6.91	Peak



Antenna at Vertical Polarization

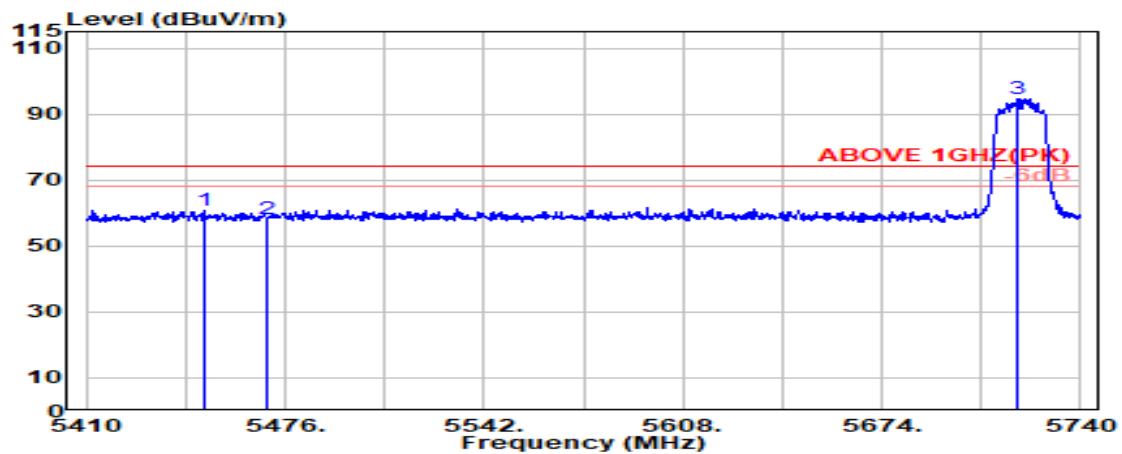
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@ 5698.150	33.21	11.83	34.06	75.23	86.21	---	---	Peak
5725.000	33.45	11.88	34.07	45.87	57.13	68.20	11.07	Peak
5755.050	33.71	11.93	34.08	48.76	60.31	68.20	7.89	Peak

Remark: The “@” means fundamental frequency, it is ignored in this section.

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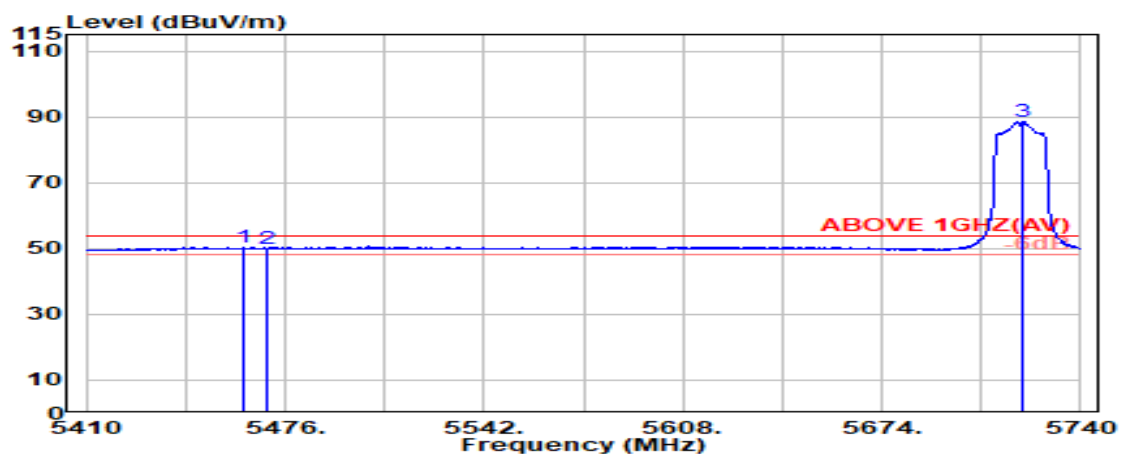
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Mode	802.11a	U-NII Band	U-NII Band 2C
		Frequency	TX 5700MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5448.981	34.09	11.36	34.01	49.20	60.64	74.00	13.36	Peak
5470.000	34.02	11.40	34.00	46.58	58.00	74.00	16.00	Peak
@ 5719.169	33.39	11.87	34.07	83.56	94.74	---	---	Peak



Antenna at Horizontal Polarization

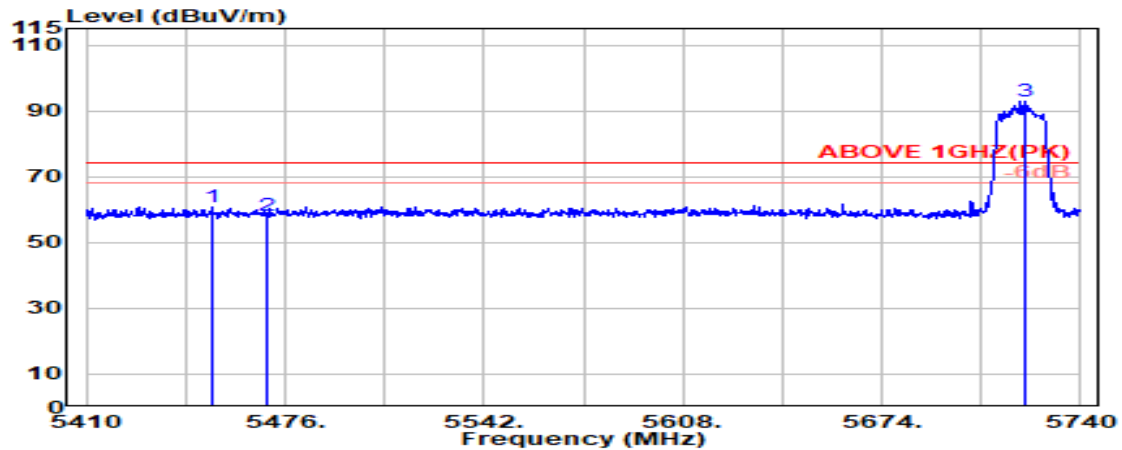
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5462.000	34.05	11.38	34.00	38.82	50.25	54.00	3.75	Average
5470.000	34.02	11.40	34.00	38.50	49.92	54.00	4.08	Average
@ 5721.000	33.41	11.87	34.07	77.32	88.53	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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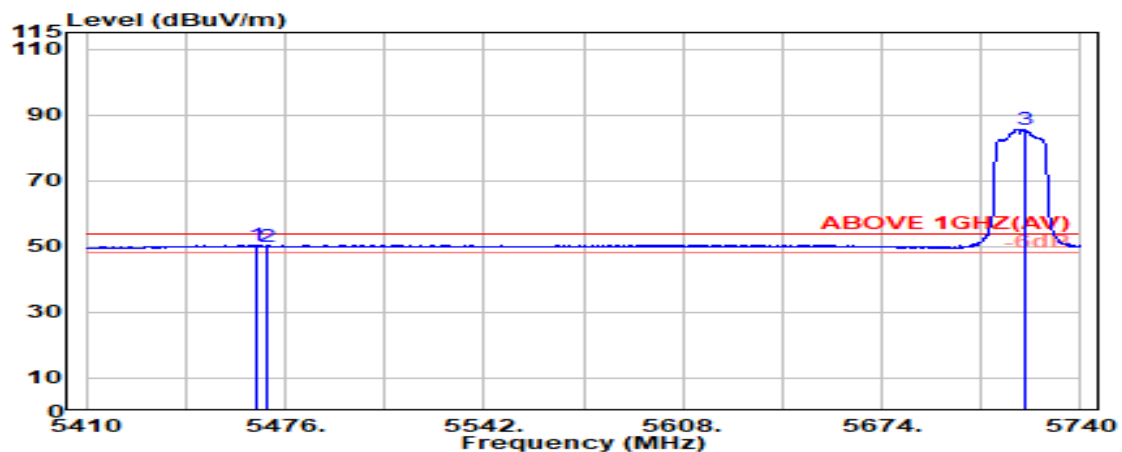
Tel: +886 2 26099301
Fax: +886 2 26099303

Mode	802.11a	U-NII Band	U-NII Band 2C
		Frequency	TX 5720MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5452.000	34.09	11.36	34.01	49.50	60.95	74.00	13.05	Peak
5470.000	34.02	11.40	34.00	46.73	58.15	74.00	15.85	Peak
@ 5721.600	33.42	11.87	34.07	81.54	92.76	---	---	Peak



Antenna at Vertical Polarization

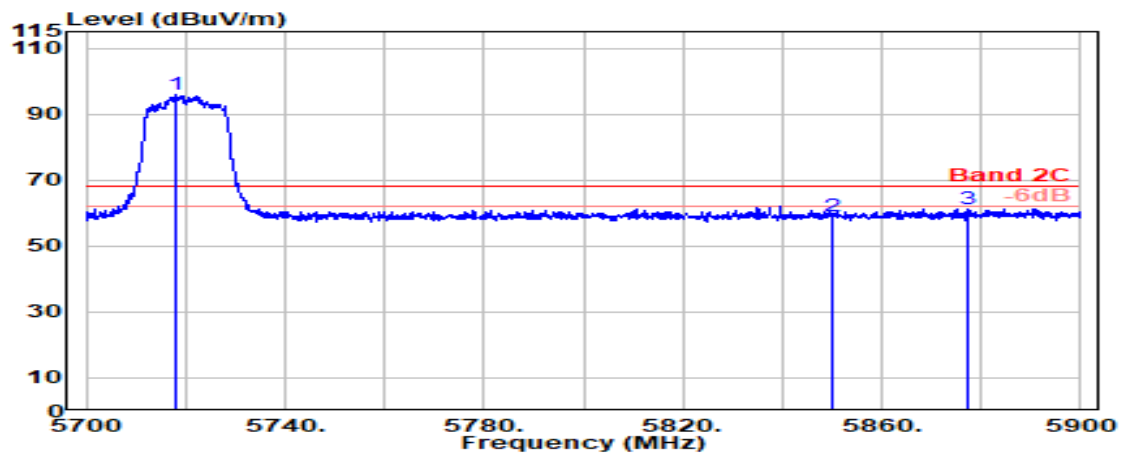
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5466.200	34.04	11.39	34.00	39.03	50.45	54.00	3.55	Average
5470.000	34.02	11.40	34.00	38.39	49.81	54.00	4.19	Average
@ 5721.400	33.41	11.87	34.07	74.48	85.70	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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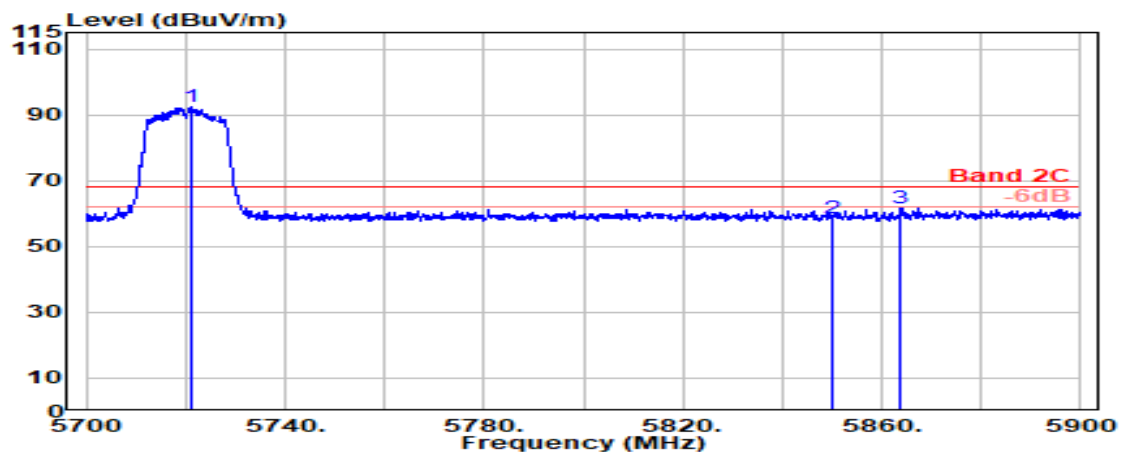
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Fax: +886 2 26099303

Mode	802.11a	U-NII Band	U-NII Band 2C
		Frequency	TX 5720MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5717.900	33.38	11.86	34.07	84.90	96.07	---	---	Peak
5850.000	33.60	12.10	34.12	47.33	58.92	68.20	9.28	Peak
5877.400	33.82	12.15	34.13	49.50	61.35	68.20	6.85	Peak



Antenna at Vertical Polarization

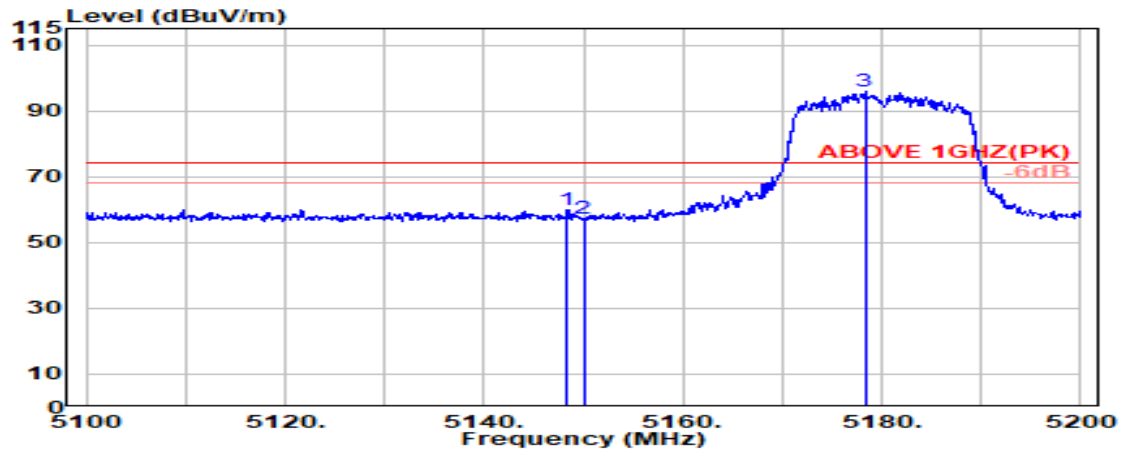
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5721.000	33.41	11.87	34.07	81.03	92.23	---	---	Peak
5850.000	33.60	12.10	34.12	47.07	58.65	68.20	9.55	Peak
5863.900	33.71	12.13	34.12	49.95	61.67	68.20	6.53	Peak

Remark: The “@” means fundamental frequency, it is ignored in this section.

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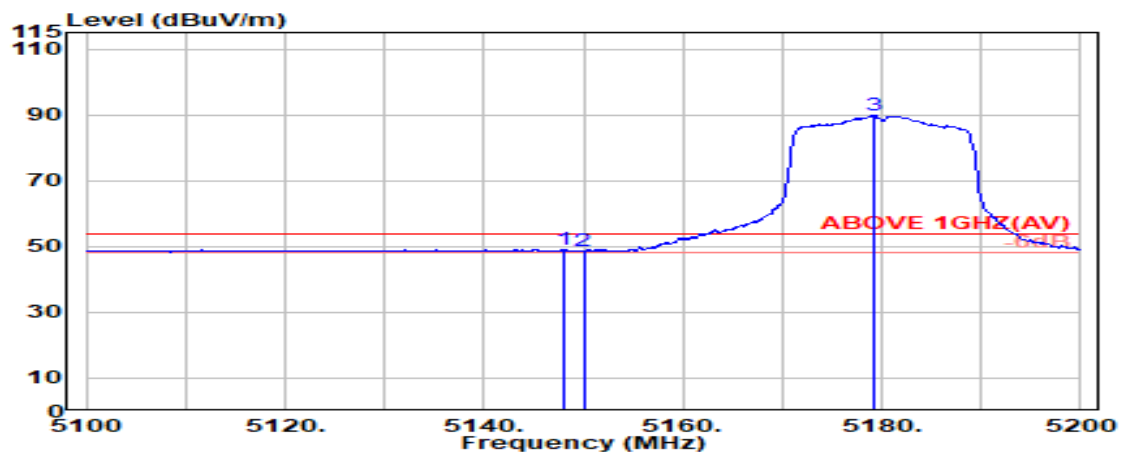
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Fax: +886 2 26099303

Mode	802.11n-HT20	U-NII Band	U-NII Band 1
		Frequency	TX 5180MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5148.400	33.50	10.76	34.12	49.86	59.99	74.00	14.01	Peak
5150.000	33.50	10.76	34.12	47.02	57.16	74.00	16.84	Peak
@ 5178.300	33.39	10.82	34.11	85.63	95.72	---	---	Peak



Antenna at Horizontal Polarization

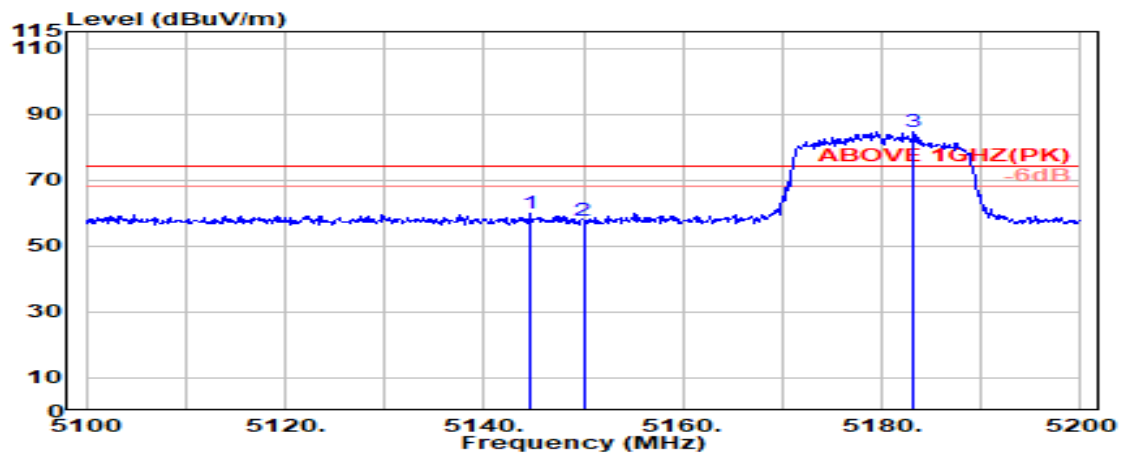
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5148.000	33.50	10.76	34.12	38.86	48.99	54.00	5.01	Average
5150.000	33.50	10.76	34.12	38.44	48.58	54.00	5.42	Average
@ 5179.300	33.38	10.82	34.11	79.73	89.82	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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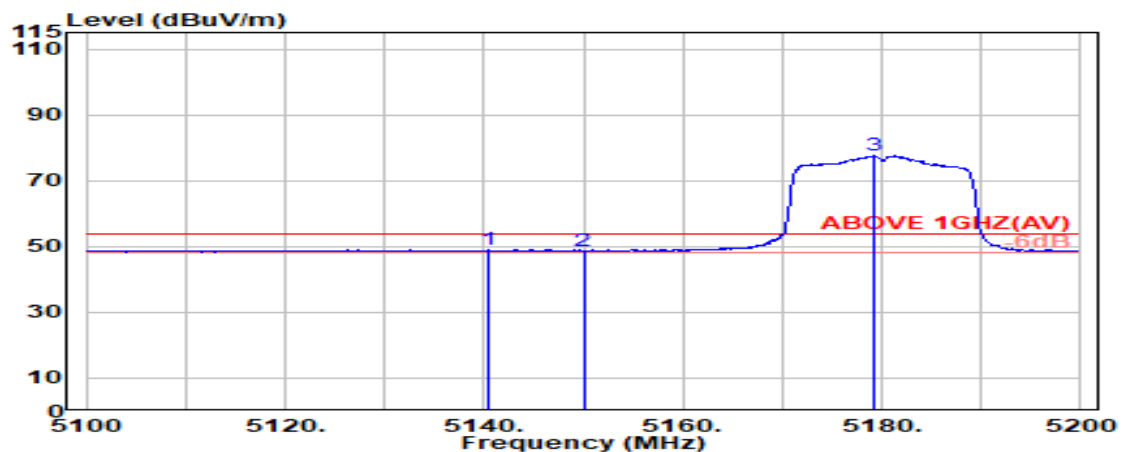
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Fax: +886 2 26099303

Mode	802.11n-HT20	U-NII Band	U-NII Band 1
		Frequency	TX 5180MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5144.700	33.49	10.75	34.12	49.63	59.75	74.00	14.25	Peak
5150.000	33.50	10.76	34.12	47.71	57.85	74.00	16.15	Peak
@ 5183.200	33.37	10.83	34.11	74.59	84.68	---	---	Peak



Antenna at Vertical Polarization

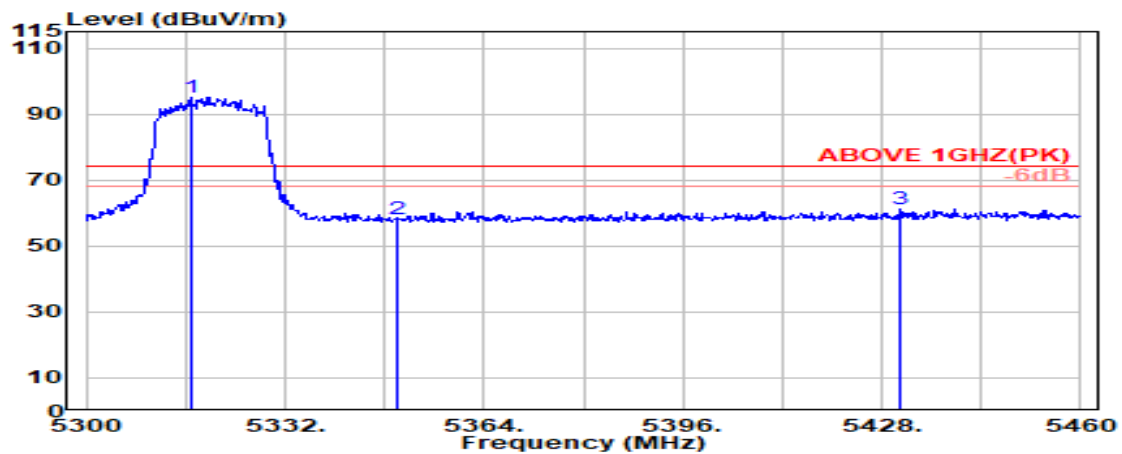
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5140.500	33.48	10.74	34.12	38.84	48.94	54.00	5.06	Average
5150.000	33.50	10.76	34.12	38.60	48.74	54.00	5.26	Average
@ 5179.200	33.38	10.82	34.11	67.42	77.52	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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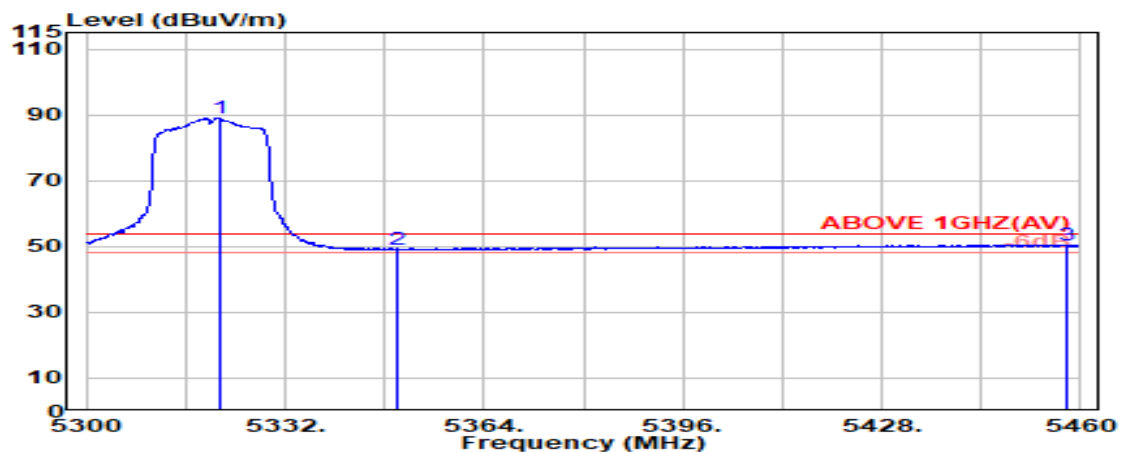
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Mode	802.11n-HT20	U-NII Band	U-NII Band 2A
		Frequency	TX 5320MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5316.960	33.50	11.10	34.06	84.42	94.96	---	---	Peak
5350.000	33.50	11.16	34.05	47.68	58.30	74.00	15.70	Peak
5431.040	33.95	11.32	34.02	50.13	61.38	74.00	12.62	Peak



Antenna at Horizontal Polarization

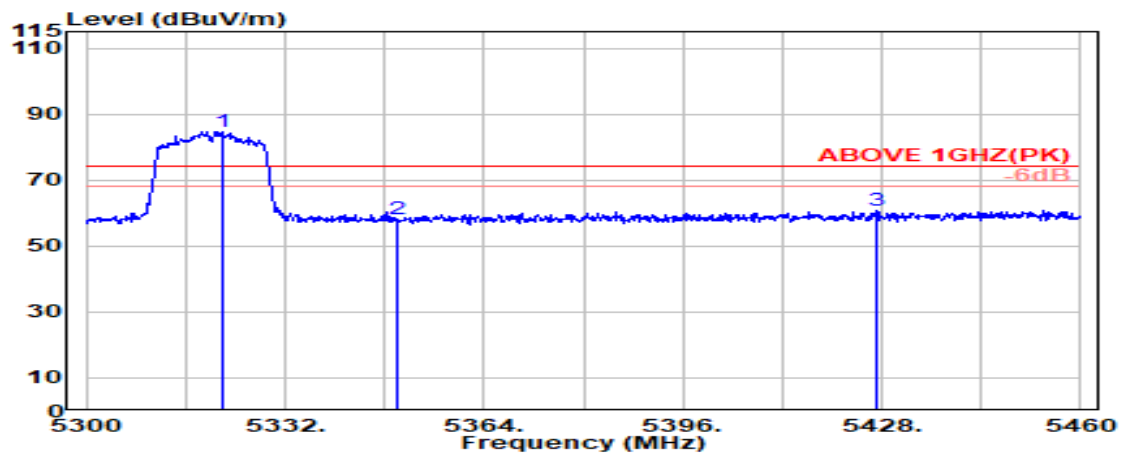
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5321.416	33.50	11.11	34.06	78.62	89.17	---	---	Average
5350.000	33.50	11.16	34.05	38.56	49.17	54.00	4.83	Average
5457.908	34.07	11.37	34.01	39.03	50.46	54.00	3.54	Average

Remark: The "@" means fundamental frequency, it is ignored in this section.

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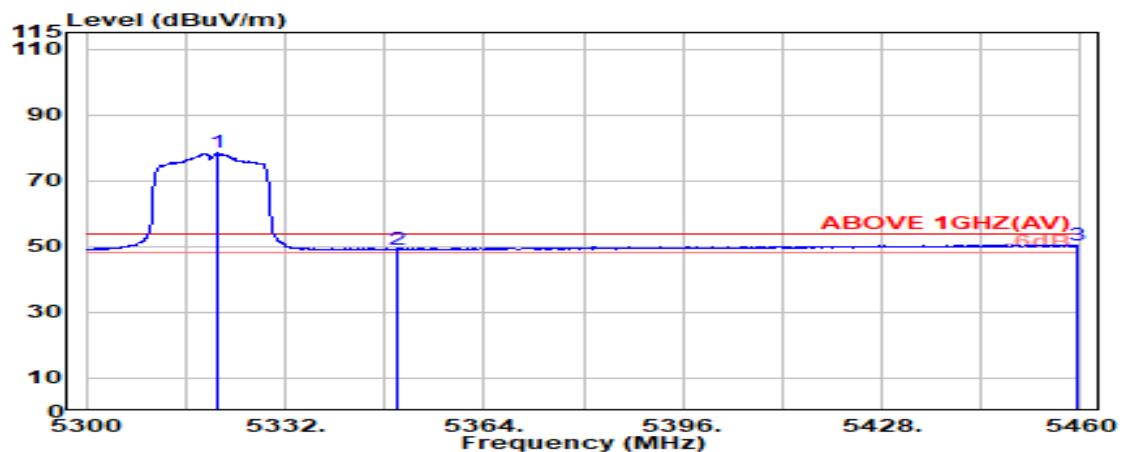
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Fax: +886 2 26099303

Mode	802.11n-HT20	U-NII Band	U-NII Band 2A
		Frequency	TX 5320MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5321.785	33.50	11.11	34.06	74.19	84.74	---	---	Peak
5350.000	33.50	11.16	34.05	47.47	58.09	74.00	15.91	Peak
5427.262	33.92	11.31	34.02	49.75	60.97	74.00	13.03	Peak



Antenna at Vertical Polarization

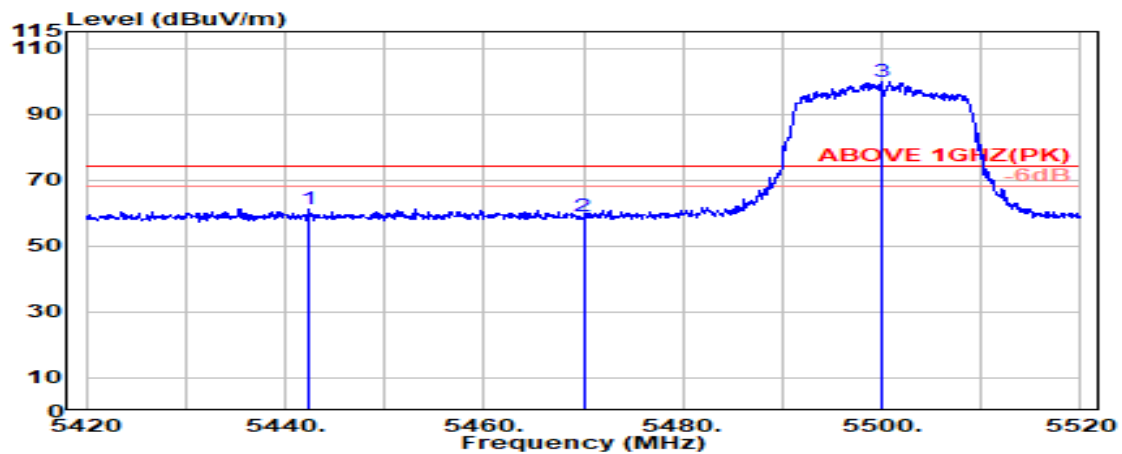
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5320.923	33.50	11.11	34.06	67.79	78.34	---	---	Average
5350.000	33.50	11.16	34.05	38.60	49.22	54.00	4.78	Average
5459.631	34.06	11.38	34.00	39.02	50.46	54.00	3.54	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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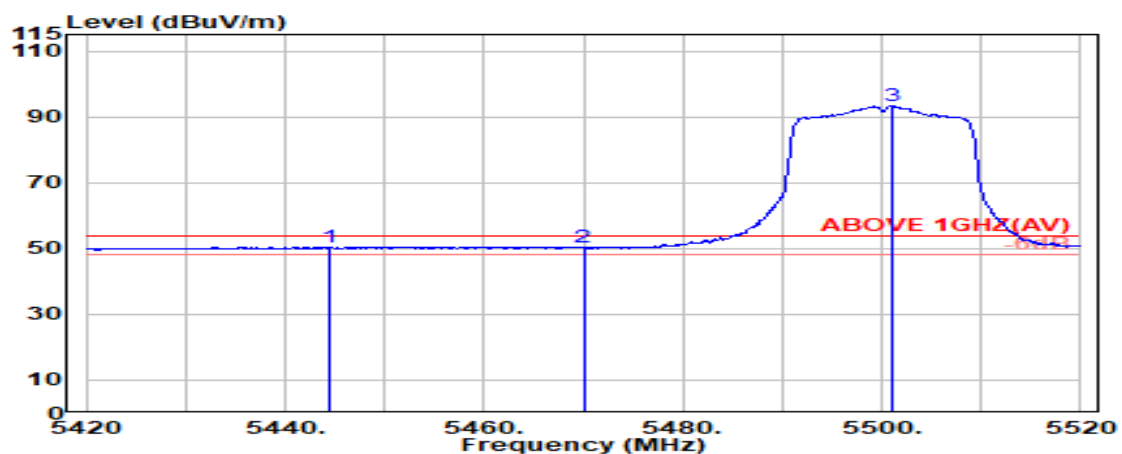
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Mode	802.11n-HT20	U-NII Band	U-NII Band 2C
		Frequency	TX 5500MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5442.461	34.04	11.34	34.01	49.73	61.10	74.00	12.90	Peak
5470.000	34.02	11.40	34.00	47.51	58.93	74.00	15.07	Peak
@ 5499.923	33.90	11.45	33.99	88.35	99.71	---	---	Peak



Antenna at Horizontal Polarization

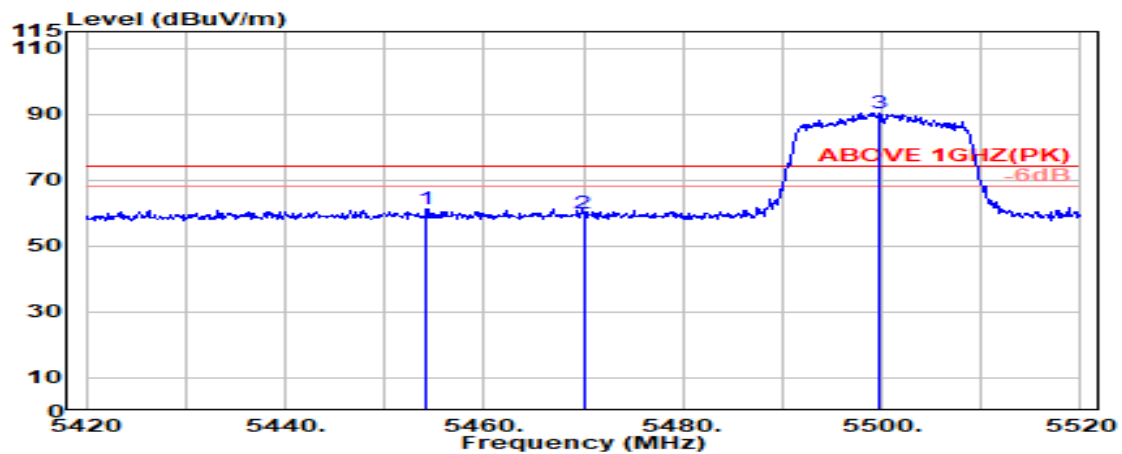
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5444.500	34.06	11.35	34.01	39.10	50.49	54.00	3.51	Average
5470.000	34.02	11.40	34.00	38.90	50.32	54.00	3.68	Average
@ 5501.000	33.89	11.46	33.99	81.82	93.18	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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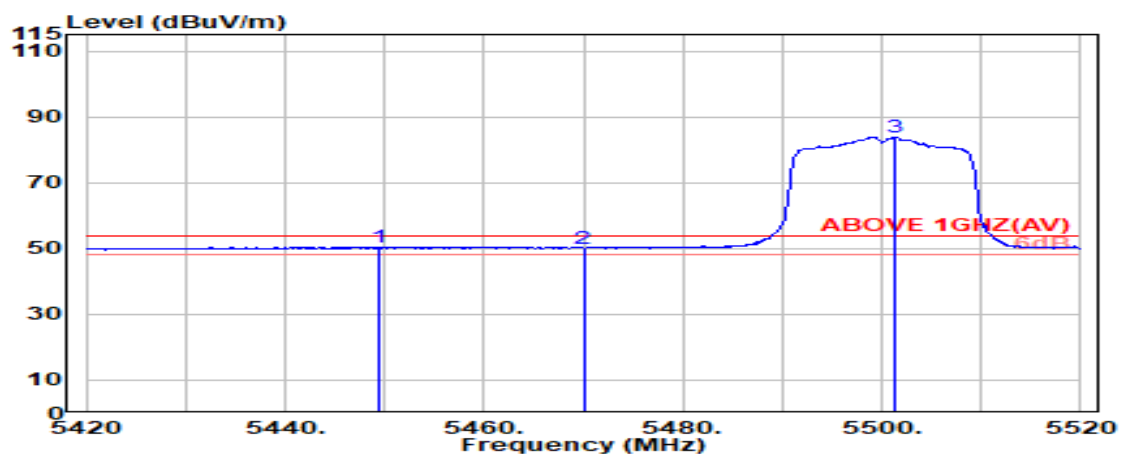
Tel: +886 2 26099301
Fax: +886 2 26099303

Mode	802.11n-HT20	U-NII Band	U-NII Band 2C
		Frequency	TX 5500MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5454.200	34.08	11.37	34.01	49.78	61.22	74.00	12.78	Peak
5470.000	34.02	11.40	34.00	48.33	59.74	74.00	14.26	Peak
@ 5499.700	33.90	11.45	33.99	79.07	90.43	---	---	Peak



Antenna at Vertical Polarization

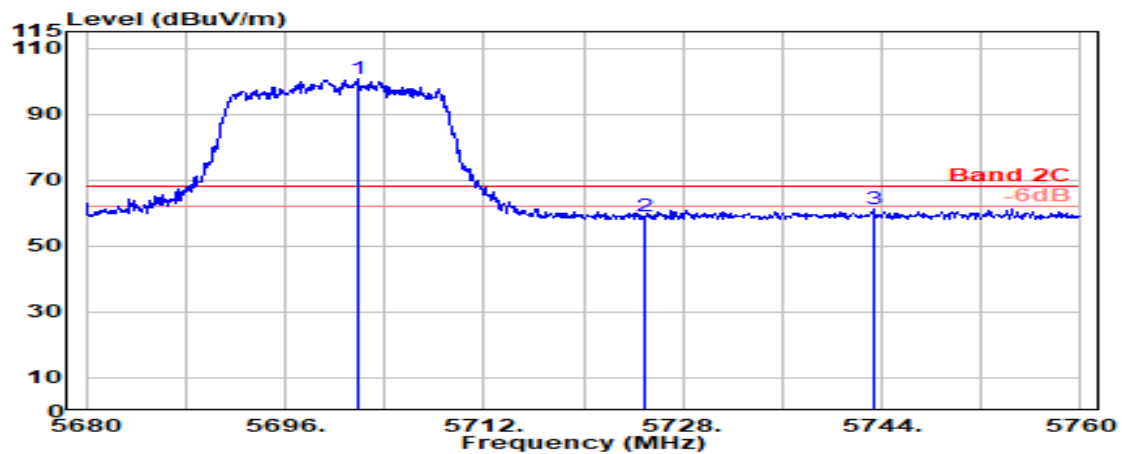
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5449.400	34.10	11.36	34.01	39.09	50.53	54.00	3.47	Average
5470.000	34.02	11.40	34.00	38.60	50.01	54.00	3.99	Average
@ 5501.200	33.89	11.46	33.99	72.39	83.75	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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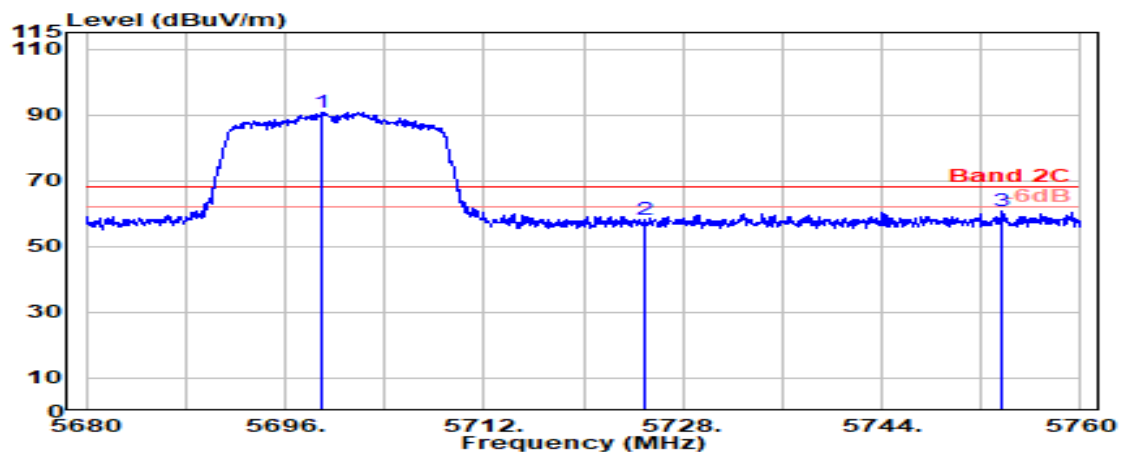
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Mode	802.11n-HT20	U-NII Band	U-NII Band 2C
		Frequency	TX 5700MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5701.920	33.22	11.83	34.06	89.50	100.49	---	---	Peak
5725.000	33.45	11.88	34.07	47.75	59.00	68.20	9.20	Peak
5743.280	33.63	11.91	34.08	49.59	61.05	68.20	7.15	Peak



Antenna at Vertical Polarization

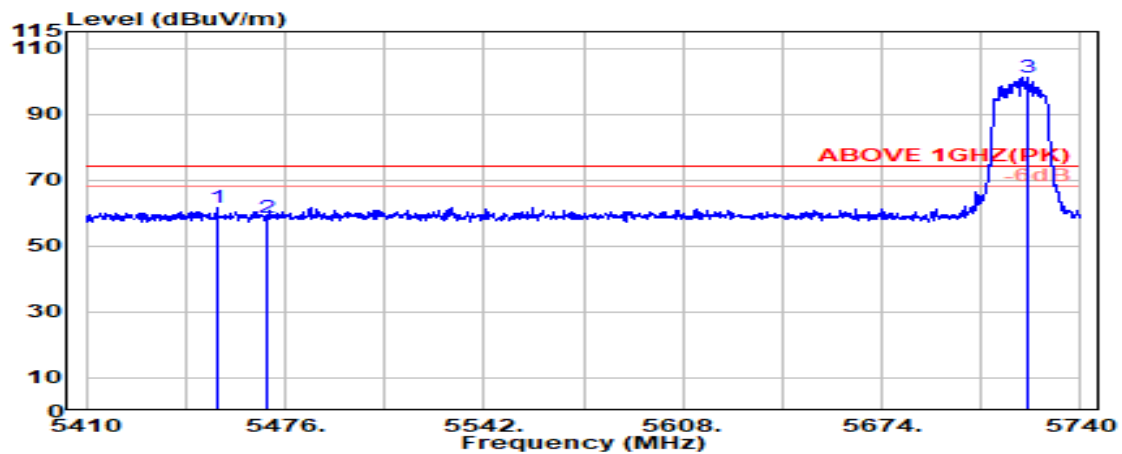
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5698.950	33.21	11.83	34.06	79.84	90.81	---	---	Peak
5725.000	33.45	11.88	34.07	47.10	58.35	68.20	9.85	Peak
5753.650	33.71	11.93	34.08	49.04	60.59	68.20	7.61	Peak

Remark: The “@” means fundamental frequency, it is ignored in this section.

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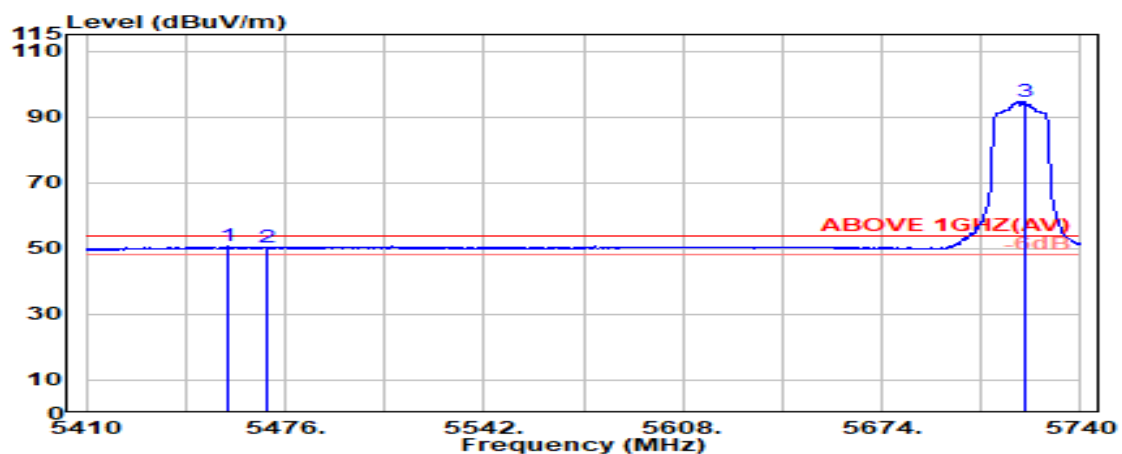
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Mode	802.11n-HT20	U-NII Band	U-NII Band 2C
		Frequency	TX 5720MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5453.313	34.09	11.36	34.01	50.37	61.81	74.00	12.19	Peak
5470.000	34.02	11.40	34.00	47.35	58.77	74.00	15.23	Peak
@ 5722.469	33.43	11.87	34.07	89.94	101.16	---	---	Peak



Antenna at Horizontal Polarization

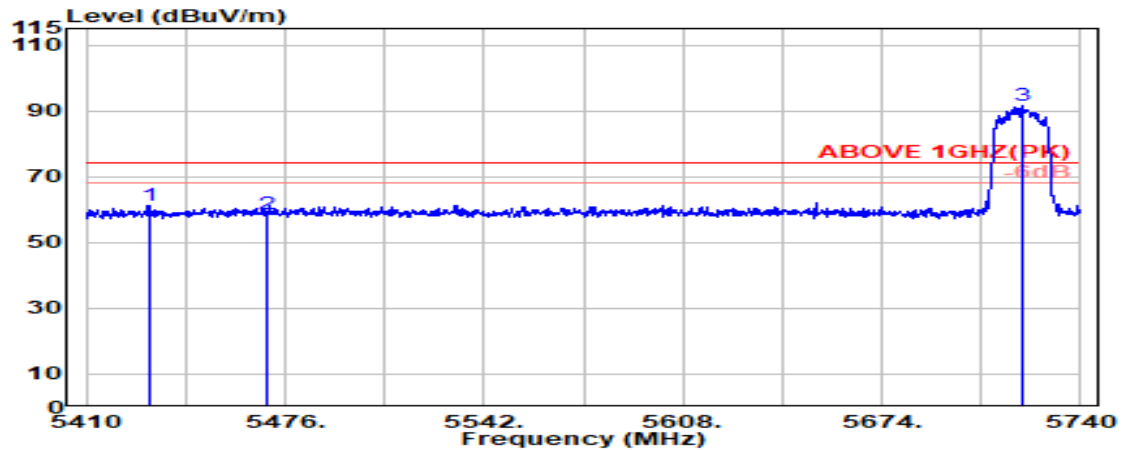
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5457.200	34.07	11.37	34.01	39.16	50.60	54.00	3.40	Average
5470.000	34.02	11.40	34.00	38.86	50.27	54.00	3.73	Average
@ 5721.200	33.41	11.87	34.07	83.55	94.76	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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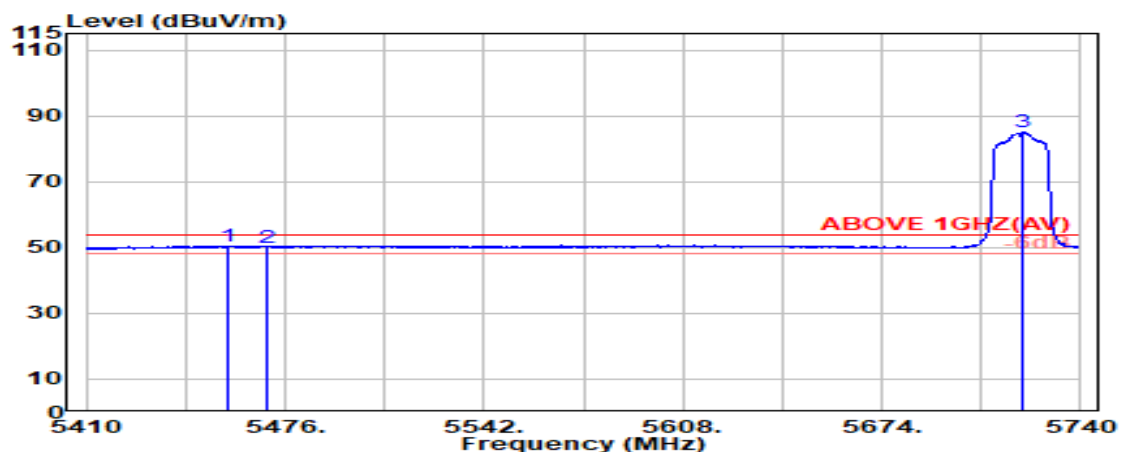
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Mode	802.11n-HT20	U-NII Band	U-NII Band 2C
		Frequency	TX 5720MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5430.800	33.95	11.32	34.02	50.00	61.25	74.00	12.75	Peak
5470.000	34.02	11.40	34.00	47.18	58.60	74.00	15.40	Peak
@ 5720.800	33.41	11.87	34.07	80.23	91.43	---	---	Peak

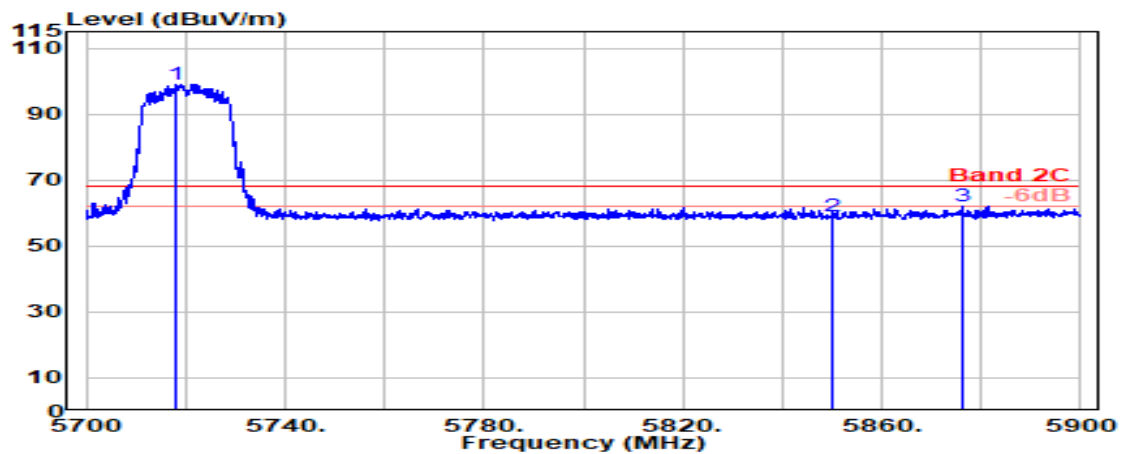


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5456.800	34.07	11.37	34.01	39.07	50.51	54.00	3.49	Average
5470.000	34.02	11.40	34.00	38.66	50.08	54.00	3.92	Average
@ 5721.000	33.41	11.87	34.07	73.84	85.04	---	---	Average

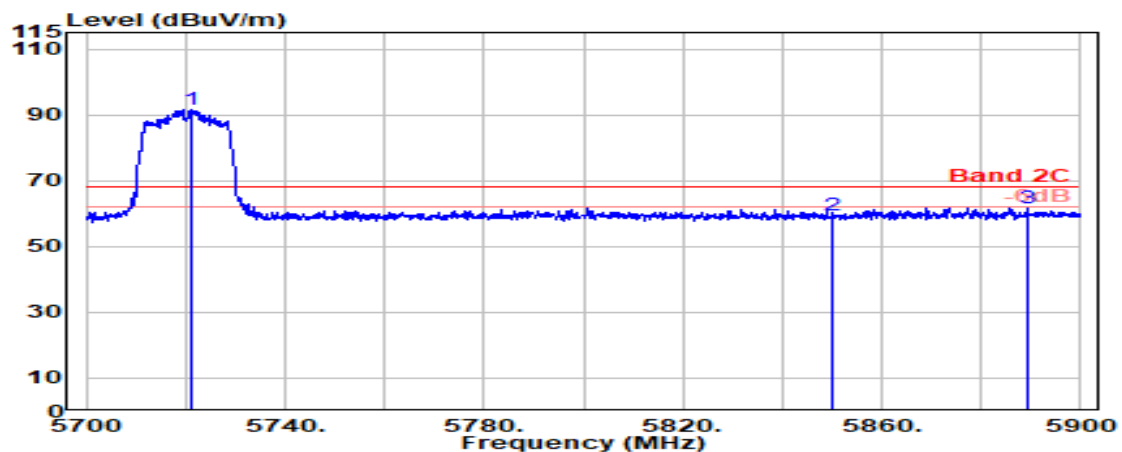
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	802.11n-HT20	U-NII Band	U-NII Band 2C
		Frequency	TX 5720MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5718.200	33.38	11.86	34.07	87.93	99.11	---	---	Peak
5850.000	33.60	12.10	34.12	47.50	59.09	68.20	9.11	Peak
5876.100	33.81	12.15	34.13	50.18	62.01	68.20	6.19	Peak

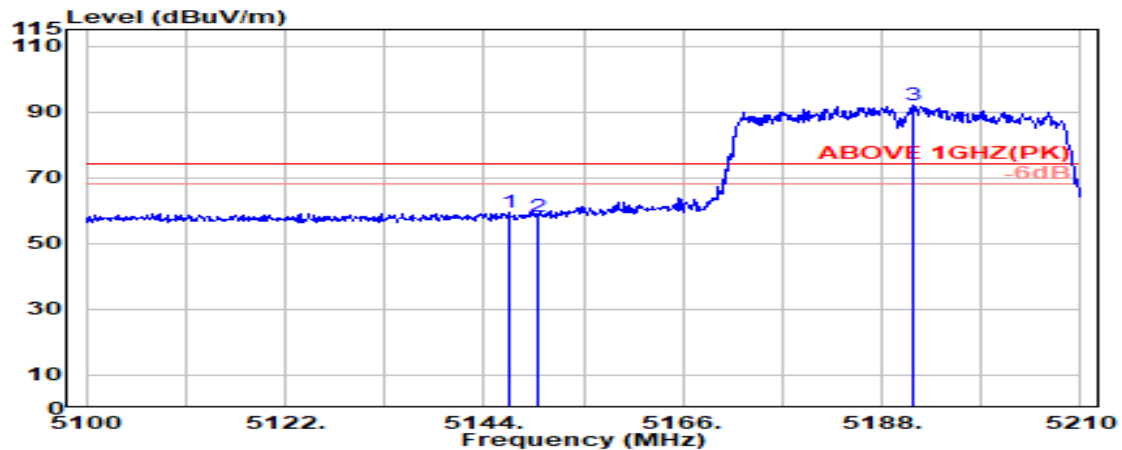


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5721.400	33.41	11.87	34.07	80.32	91.53	---	---	Peak
5850.000	33.60	12.10	34.12	47.72	59.31	68.20	8.89	Peak
5889.400	33.92	12.17	34.13	49.86	61.82	68.20	6.38	Peak

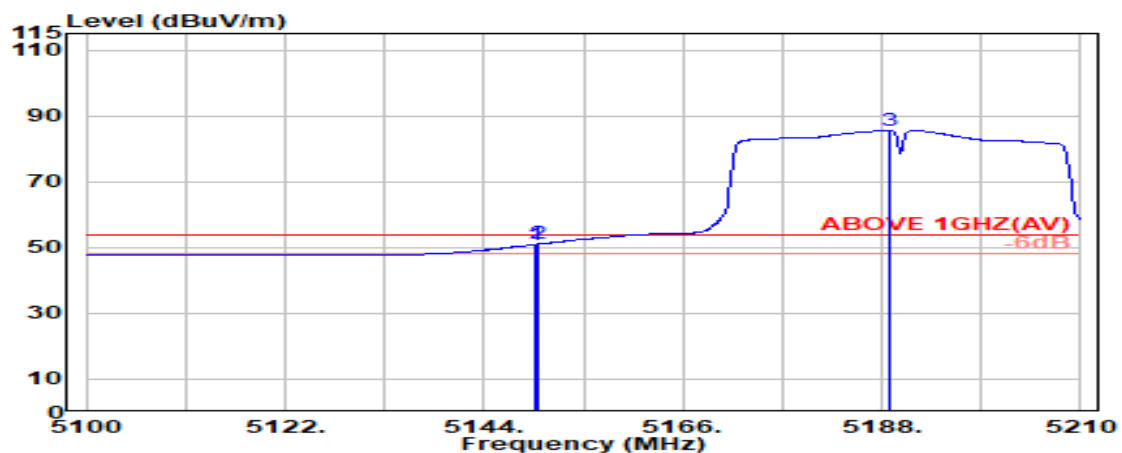
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	802.11n-HT40	U-NII Band	U-NII Band 1
		Frequency	TX 5190MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5146.723	33.49	10.75	34.12	49.43	59.56	74.00	14.44	Peak
5150.000	33.50	10.76	34.12	48.19	58.33	74.00	15.67	Peak
@ 5191.594	33.33	10.85	34.11	81.80	91.87	---	---	Peak



Antenna at Horizontal Polarization

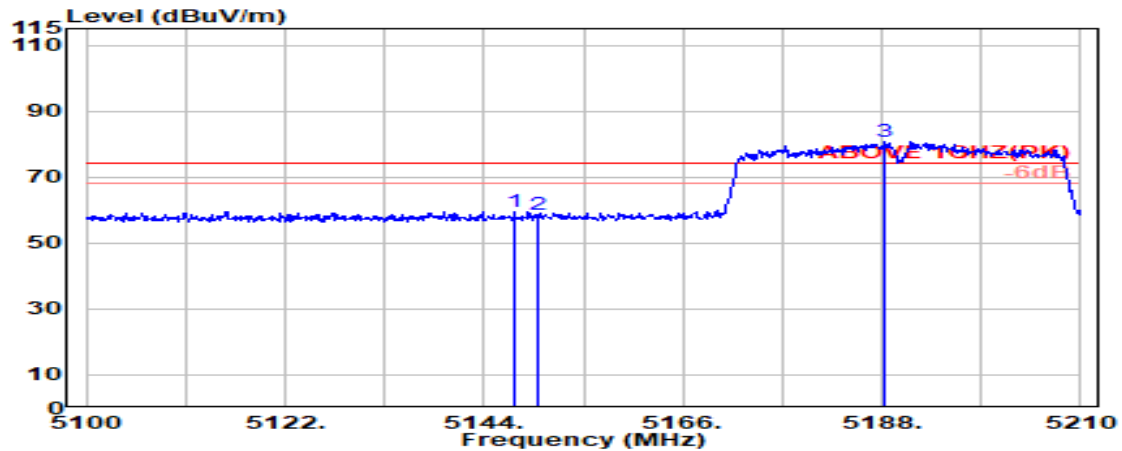
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5149.555	33.50	10.76	34.12	40.72	50.86	54.00	3.14	Average
5150.000	33.50	10.76	34.12	40.86	51.00	54.00	3.00	Average
@ 5188.762	33.34	10.84	34.11	75.55	85.63	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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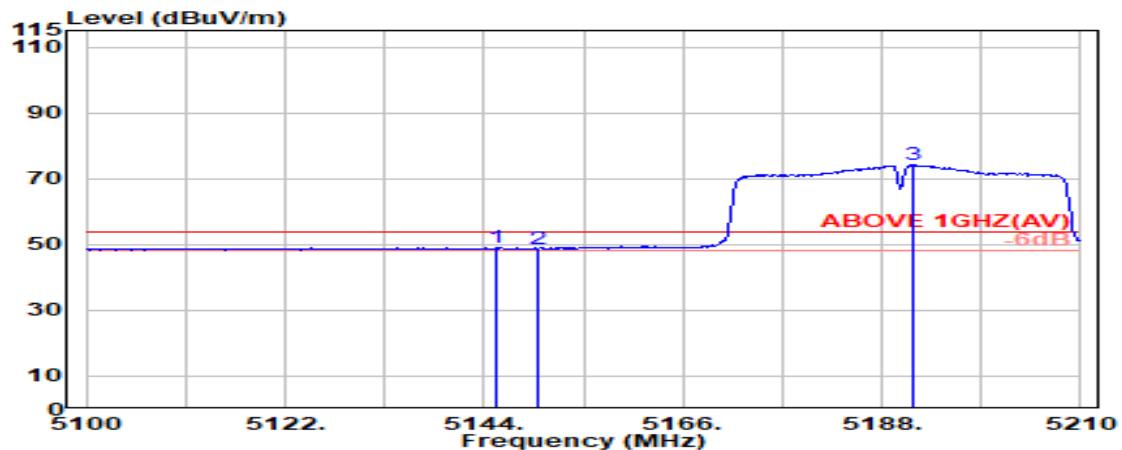
Tel: +886 2 26099301
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Mode	802.11n-HT40	U-NII Band	U-NII Band 1
		Frequency	TX 5190MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5147.376	33.49	10.76	34.12	49.37	59.50	74.00	14.50	Peak
5150.000	33.50	10.76	34.12	48.38	58.52	74.00	15.48	Peak
@ 5188.218	33.35	10.84	34.11	70.67	80.75	---	---	Peak



Antenna at Vertical Polarization

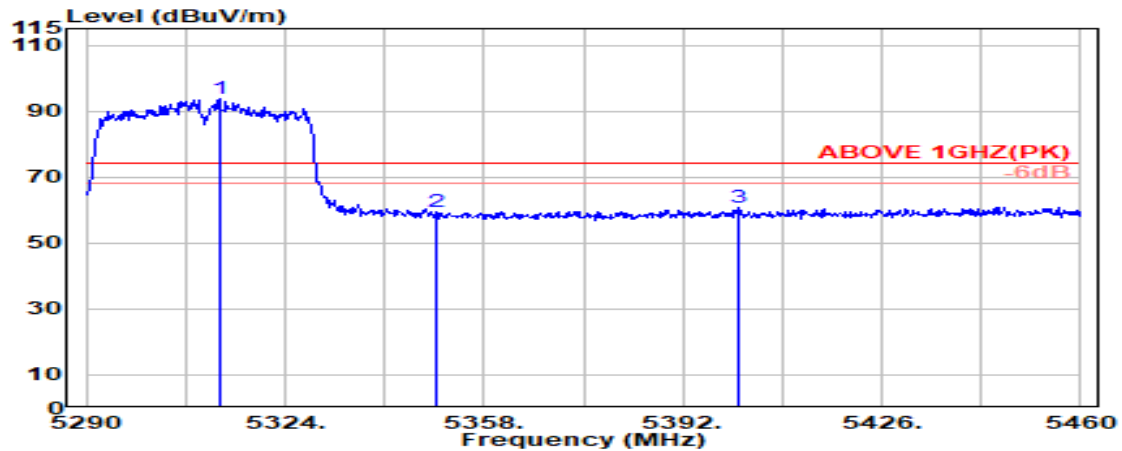
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5145.416	33.49	10.75	34.12	38.98	49.10	54.00	4.90	Average
5150.000	33.50	10.76	34.12	38.66	48.80	54.00	5.20	Average
@ 5191.376	33.33	10.85	34.11	64.22	74.30	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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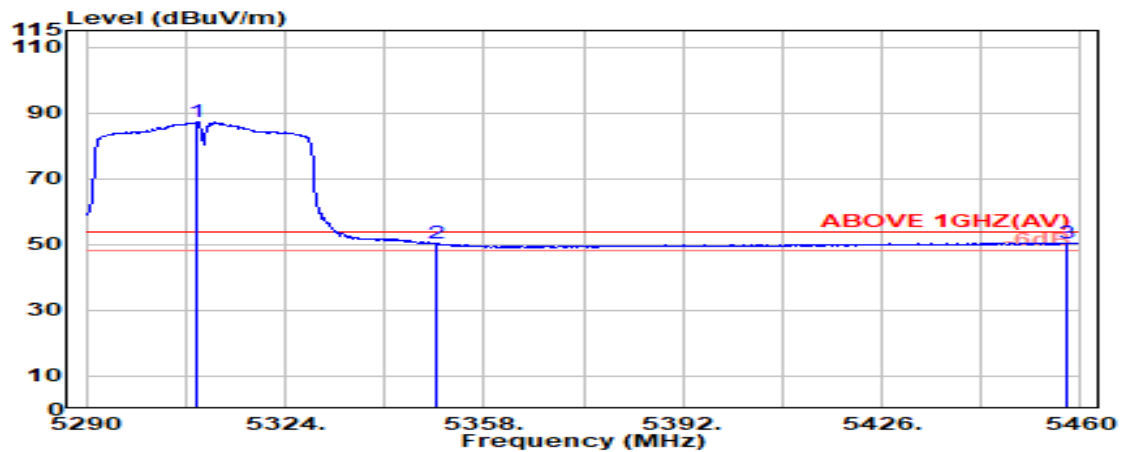
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Mode	802.11n-HT40	U-NII Band	U-NII Band 2A
		Frequency	TX 5310MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5312.723	33.50	11.09	34.06	83.00	93.53	---	---	Peak
5350.000	33.50	11.16	34.05	48.64	59.26	74.00	14.74	Peak
5401.594	33.71	11.26	34.03	49.98	60.93	74.00	13.07	Peak



Antenna at Horizontal Polarization

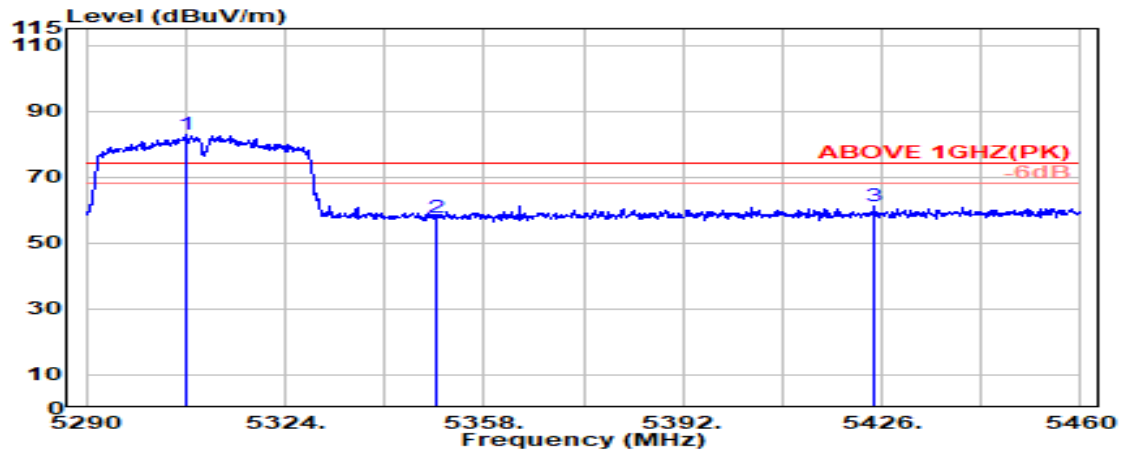
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5308.831	33.50	11.08	34.06	76.65	87.17	---	---	Average
5350.000	33.50	11.16	34.05	39.82	50.44	54.00	3.56	Average
5457.777	34.07	11.37	34.01	39.09	50.53	54.00	3.47	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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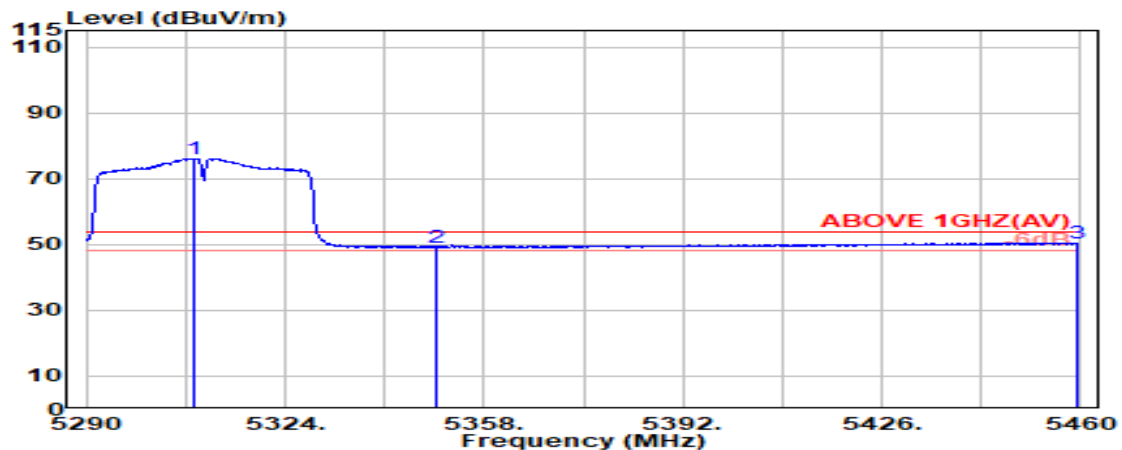
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Mode	802.11n-HT40	U-NII Band	U-NII Band 2A
		Frequency	TX 5310MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5307.131	33.50	11.08	34.06	72.41	82.93	---	---	Peak
5350.000	33.50	11.16	34.05	46.97	57.59	74.00	16.41	Peak
5424.823	33.90	11.31	34.02	50.14	61.33	74.00	12.67	Peak



Antenna at Vertical Polarization

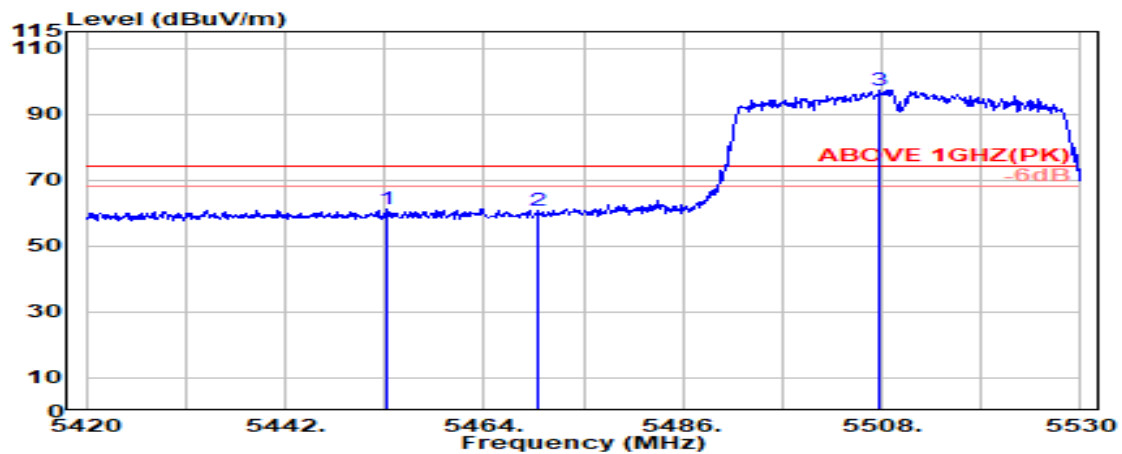
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5308.438	33.50	11.08	34.06	65.55	76.07	---	---	Average
5350.000	33.50	11.16	34.05	38.61	49.23	54.00	4.77	Average
5459.477	34.06	11.38	34.00	39.00	50.44	54.00	3.56	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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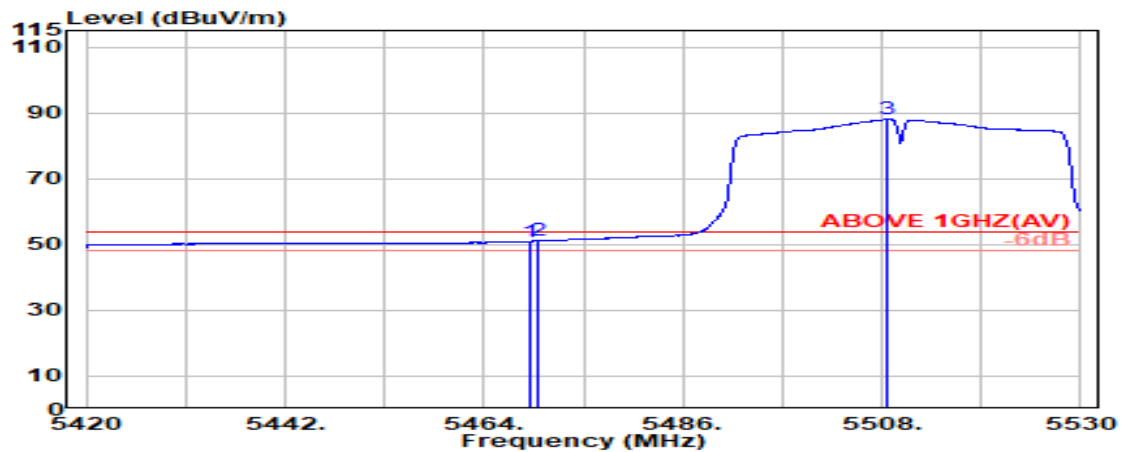
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Mode	802.11n-HT40	U-NII Band	U-NII Band 2C
		Frequency	TX 5510MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5453.200	34.09	11.36	34.01	49.87	61.31	74.00	12.69	Peak
5470.000	34.02	11.40	34.00	49.29	60.71	74.00	13.29	Peak
@ 5507.700	33.85	11.47	33.99	85.92	97.25	---	---	Peak



Antenna at Horizontal Polarization

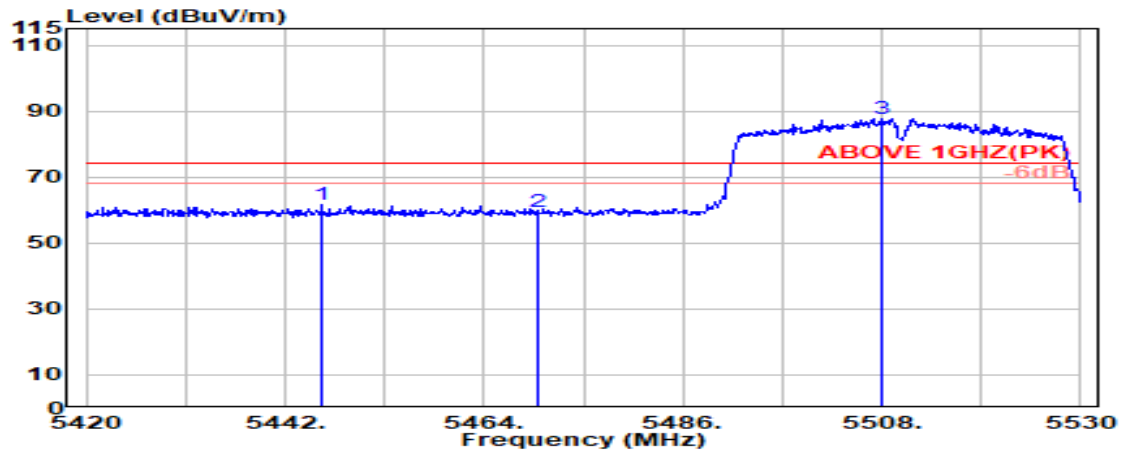
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5469.200	34.02	11.39	34.00	39.48	50.90	54.00	3.10	Average
5470.000	34.02	11.40	34.00	39.59	51.00	54.00	3.00	Average
@ 5508.700	33.85	11.47	33.99	76.66	87.98	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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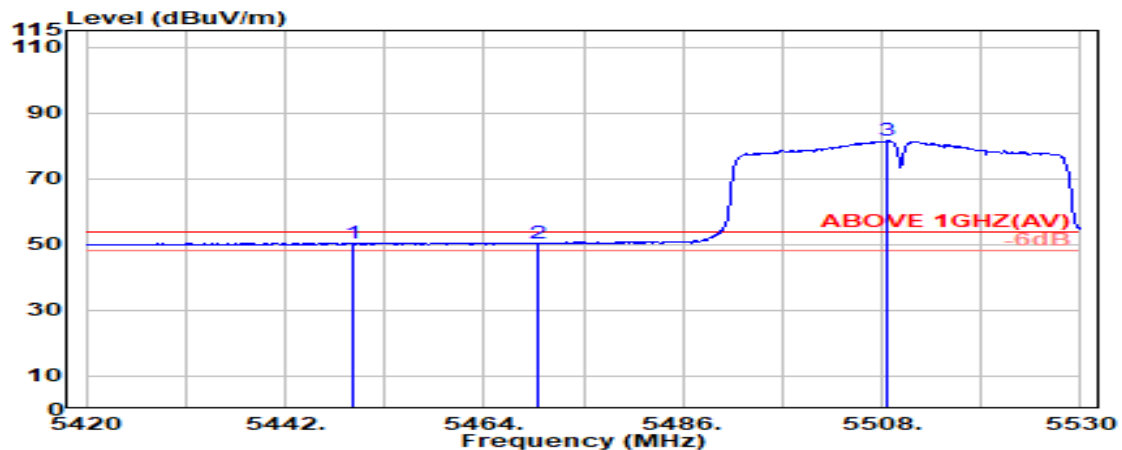
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Mode	802.11n-HT40	U-NII Band	U-NII Band 2C
		Frequency	TX 5510MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5446.000	34.07	11.35	34.01	50.01	61.42	74.00	12.58	Peak
5470.000	34.02	11.40	34.00	48.02	59.44	74.00	14.56	Peak
@ 5508.000	33.85	11.47	33.99	76.47	87.80	---	---	Peak



Antenna at Vertical Polarization

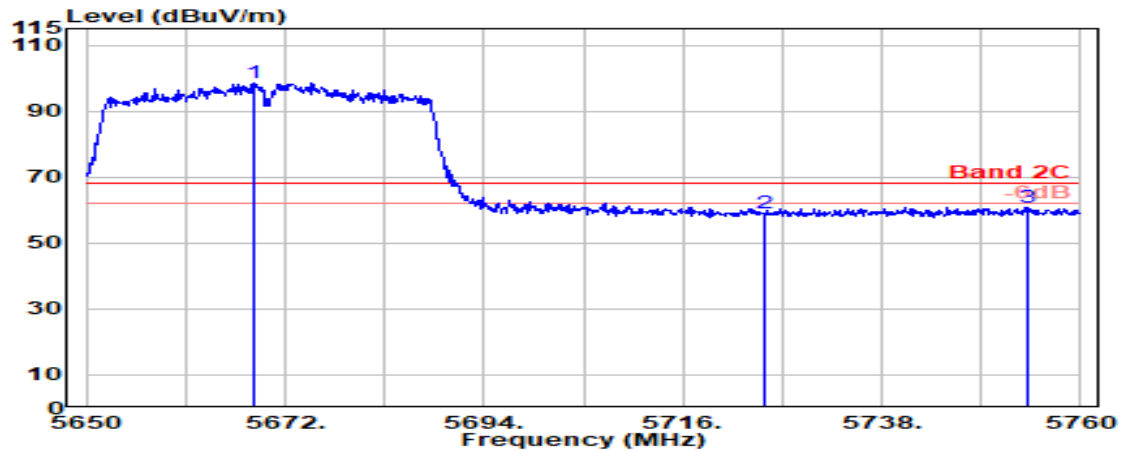
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5449.400	34.10	11.36	34.01	39.04	50.48	54.00	3.52	Average
5470.000	34.02	11.40	34.00	39.06	50.48	54.00	3.52	Average
@ 5508.600	33.85	11.47	33.99	70.20	81.53	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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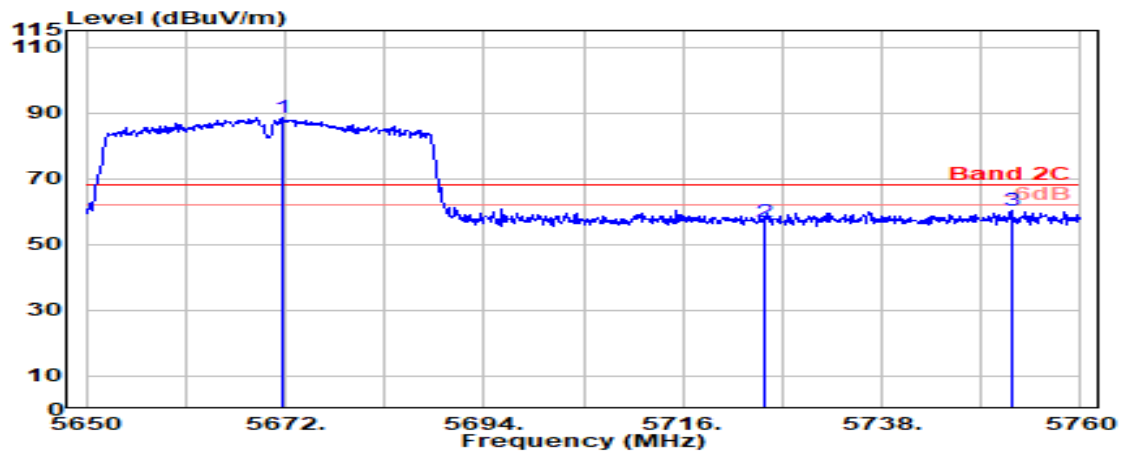
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Mode	802.11n-HT40	U-NII Band	U-NII Band 2C
		Frequency	TX 5670MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5668.631	33.45	11.77	34.05	87.24	98.41	---	---	Peak
5725.000	33.45	11.88	34.07	47.69	58.95	68.20	9.25	Peak
5754.054	33.71	11.93	34.08	49.22	60.78	68.20	7.42	Peak



Antenna at Horizontal Polarization

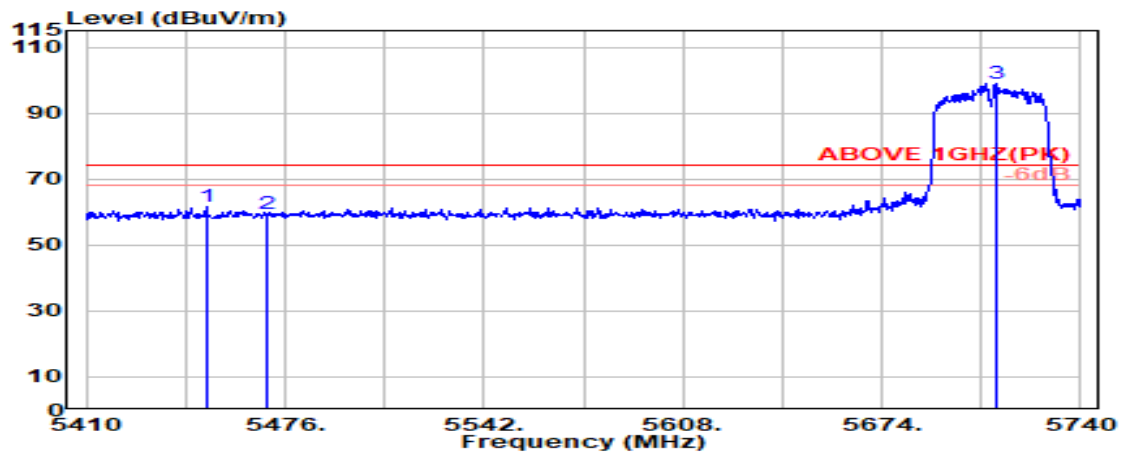
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5671.600	33.43	11.78	34.05	77.40	88.55	---	---	Peak
5725.000	33.45	11.88	34.07	45.62	56.87	68.20	11.33	Peak
5752.300	33.70	11.93	34.08	48.84	60.39	68.20	7.81	Peak

Remark: The “@” means fundamental frequency, it is ignored in this section.

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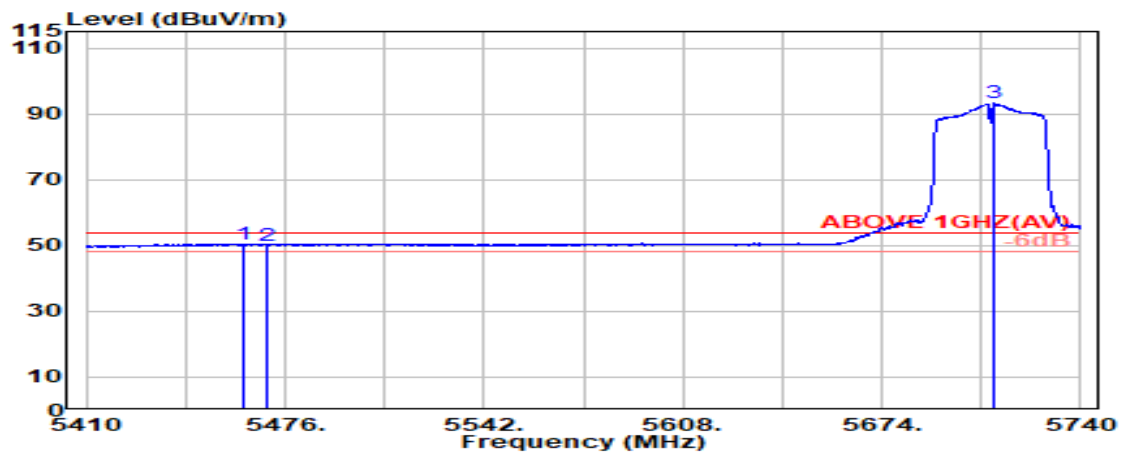
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Mode	802.11n-HT40	U-NII Band	U-NII Band 2C
		Frequency	TX 5710MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5449.900	34.10	11.36	34.01	50.00	61.44	74.00	12.56	Peak
5470.000	34.02	11.40	34.00	47.84	59.25	74.00	14.75	Peak
@ 5711.800	33.32	11.85	34.07	88.06	99.16	---	---	Peak



Antenna at Horizontal Polarization

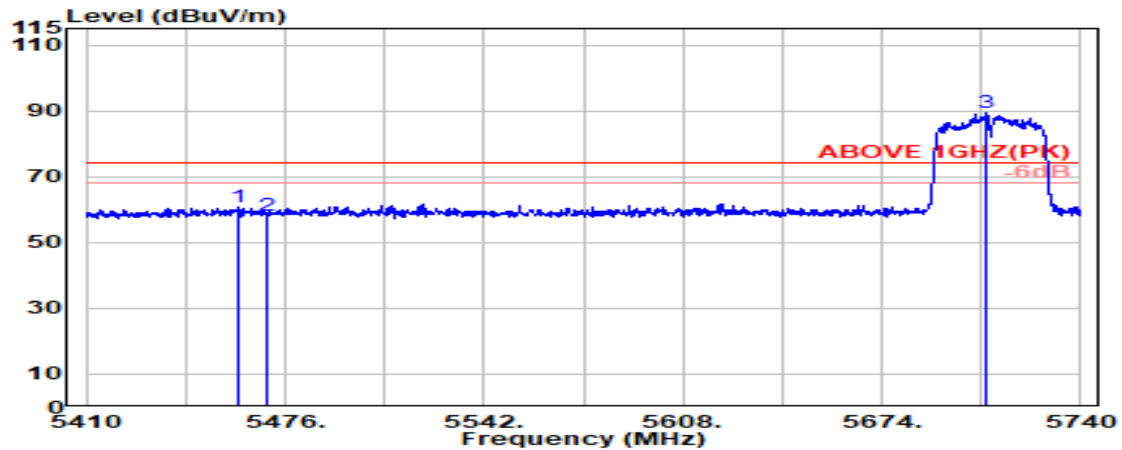
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5462.000	34.05	11.38	34.00	39.00	50.43	54.00	3.57	Average
5470.000	34.02	11.40	34.00	38.68	50.10	54.00	3.90	Average
@ 5711.400	33.31	11.85	34.07	82.06	93.15	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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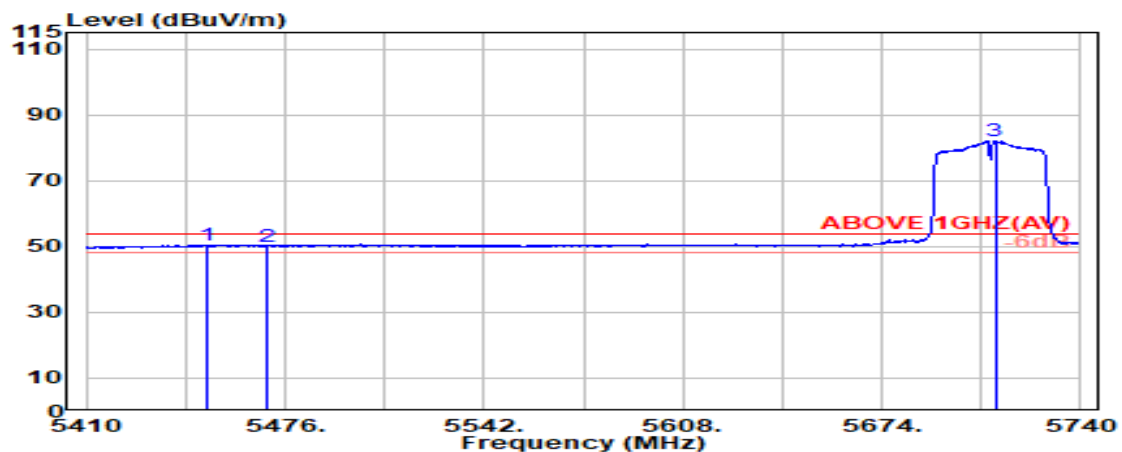
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Mode	802.11n-HT40	U-NII Band	U-NII Band 2C
		Frequency	TX 5710MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5460.400	34.06	11.38	34.00	49.24	60.68	74.00	13.32	Peak
5470.000	34.02	11.40	34.00	46.76	58.18	74.00	15.82	Peak
@ 5708.400	33.28	11.85	34.07	78.47	89.54	---	---	Peak



Antenna at Vertical Polarization

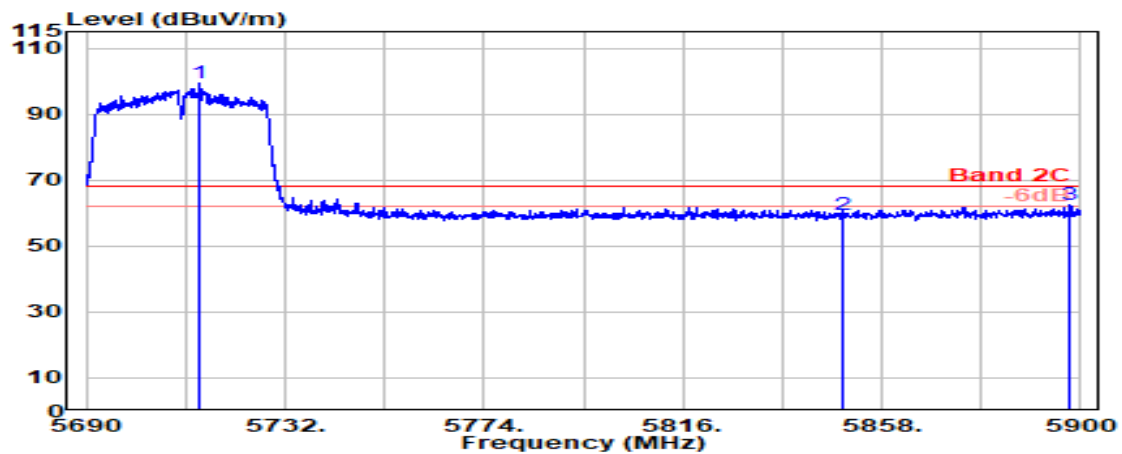
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5450.200	34.10	11.36	34.01	39.01	50.46	54.00	3.54	Average
5470.000	34.02	11.40	34.00	38.67	50.09	54.00	3.91	Average
@ 5711.600	33.32	11.85	34.07	71.11	82.21	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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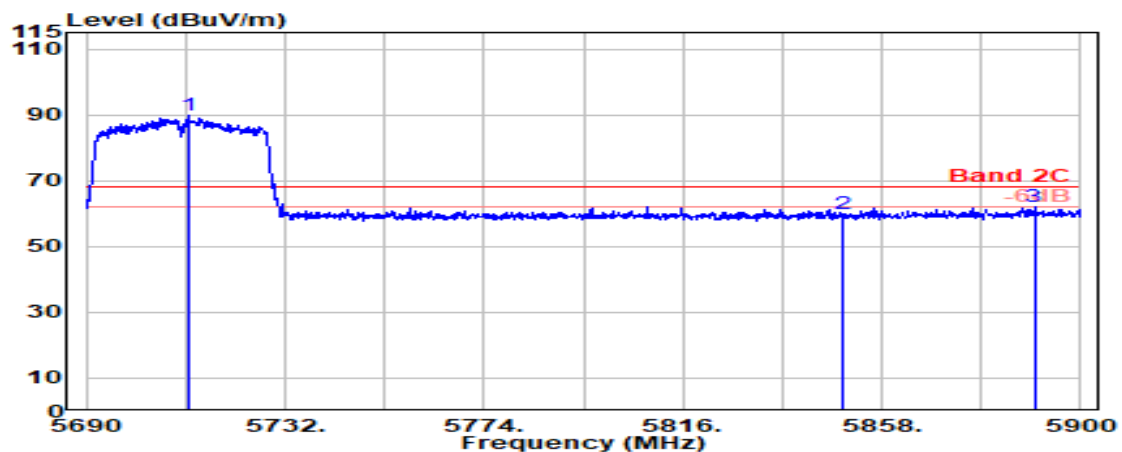
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Mode	802.11n-HT40	U-NII Band	U-NII Band 2C
		Frequency	TX 5710MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5713.925	33.34	11.86	34.07	88.13	99.25	---	---	Peak
5850.000	33.60	12.10	34.12	48.08	59.66	68.20	8.54	Peak
5897.806	33.98	12.19	34.13	50.38	62.42	68.20	5.78	Peak



Antenna at Vertical Polarization

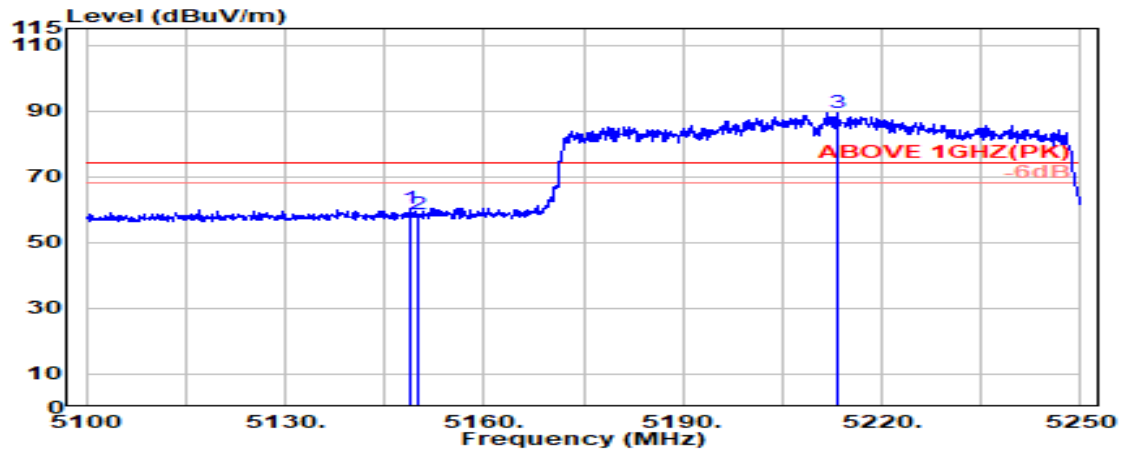
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5711.627	33.32	11.85	34.07	78.74	89.84	---	---	Peak
5850.000	33.60	12.10	34.12	48.27	59.85	68.20	8.35	Peak
5890.179	33.92	12.18	34.13	49.89	61.86	68.20	6.34	Peak

Remark: The “@” means fundamental frequency, it is ignored in this section.

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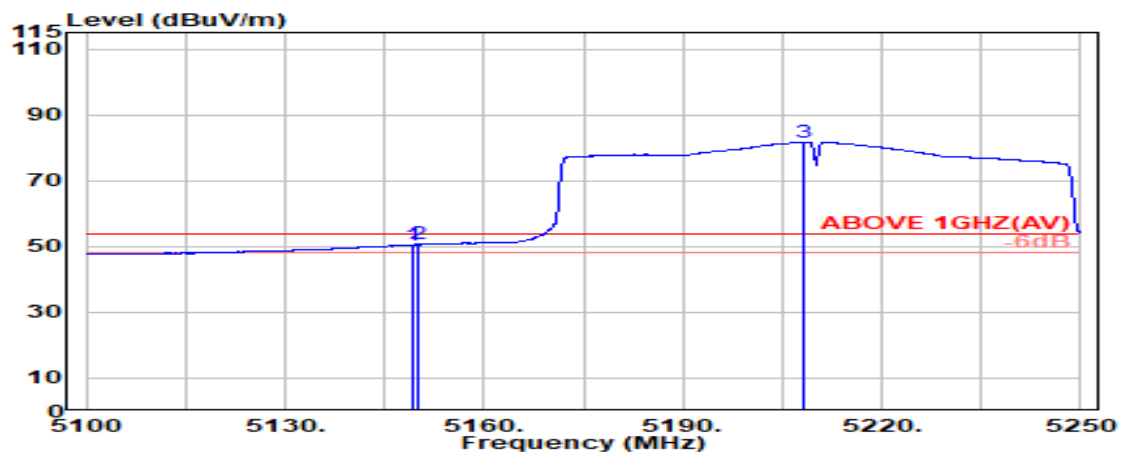
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Mode	802.11ac-VHT80	U-NII Band	U-NII Band 1
		Frequency	TX 5210MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5149.000	33.50	10.76	34.12	50.16	60.29	74.00	13.71	Peak
5150.000	33.50	10.76	34.12	48.49	58.63	74.00	15.37	Peak
@ 5213.500	33.35	10.89	34.10	79.20	89.35	---	---	Peak



Antenna at Horizontal Polarization

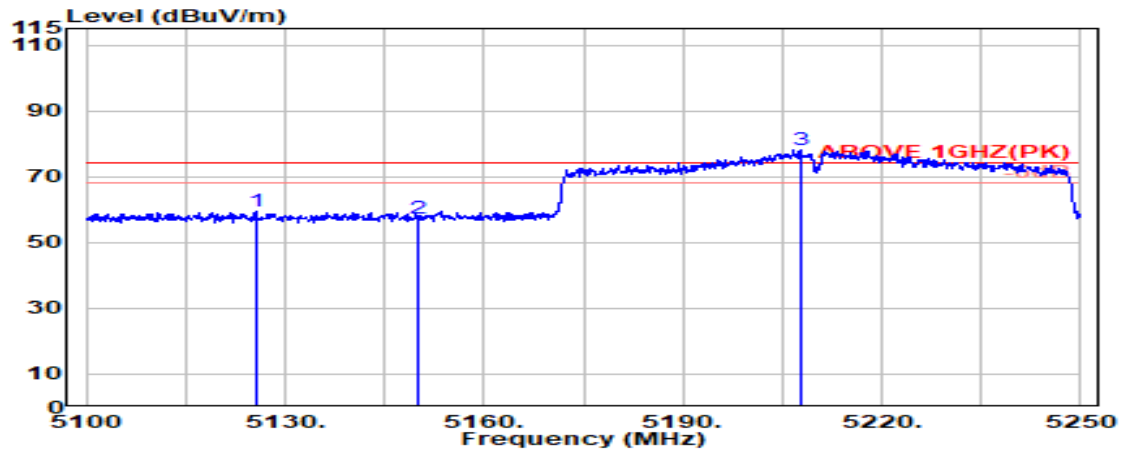
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5149.400	33.50	10.76	34.12	40.40	50.53	54.00	3.47	Average
5150.000	33.50	10.76	34.12	40.49	50.63	54.00	3.37	Average
@ 5208.300	33.33	10.88	34.10	71.63	81.75	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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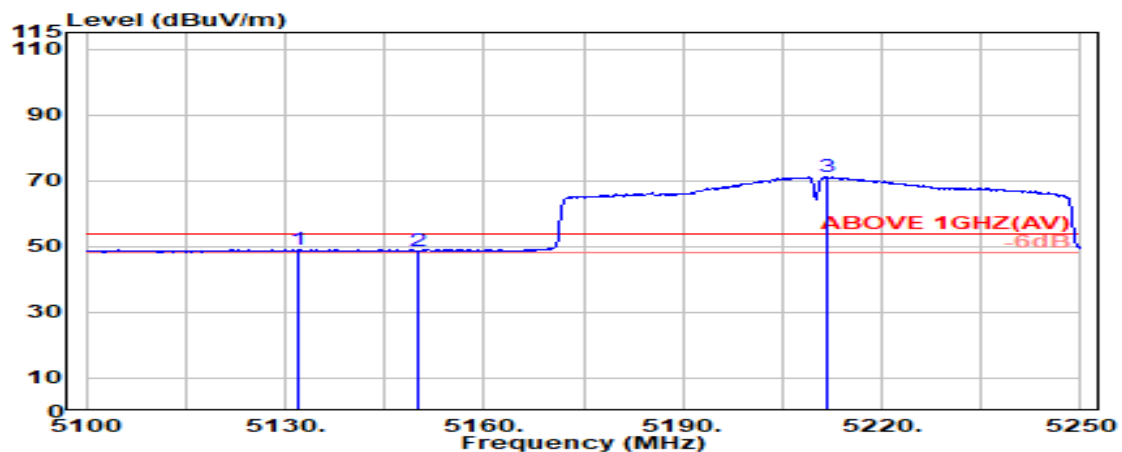
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Mode	802.11ac-VHT80	U-NII Band	U-NII Band 1
		Frequency	TX 5210MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5125.700	33.45	10.71	34.13	49.21	59.24	74.00	14.76	Peak
5150.000	33.50	10.76	34.12	47.33	57.47	74.00	16.53	Peak
@ 5207.700	33.33	10.88	34.10	68.15	78.26	---	---	Peak



Antenna at Vertical Polarization

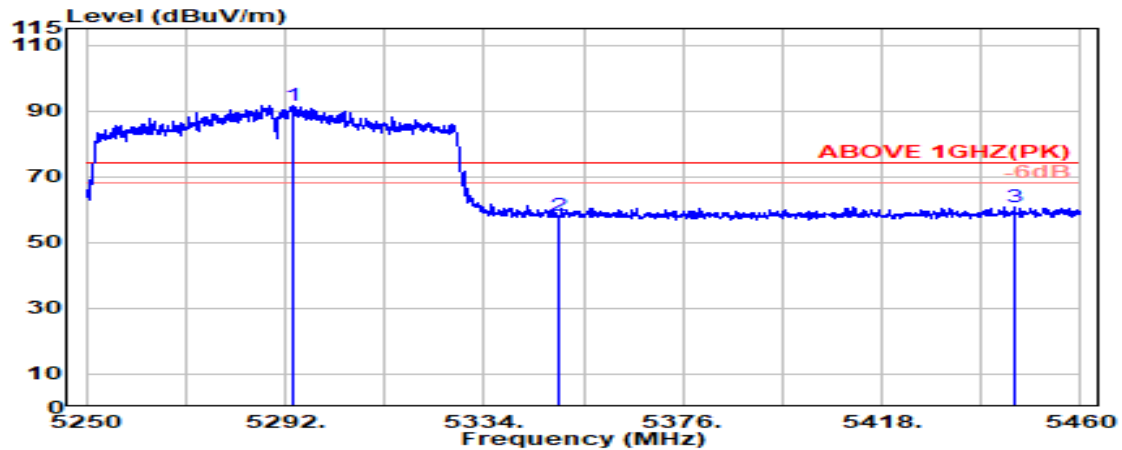
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5132.000	33.46	10.72	34.13	39.01	49.07	54.00	4.93	Average
5150.000	33.50	10.76	34.12	38.55	48.69	54.00	5.31	Average
@ 5211.600	33.35	10.89	34.10	60.96	71.10	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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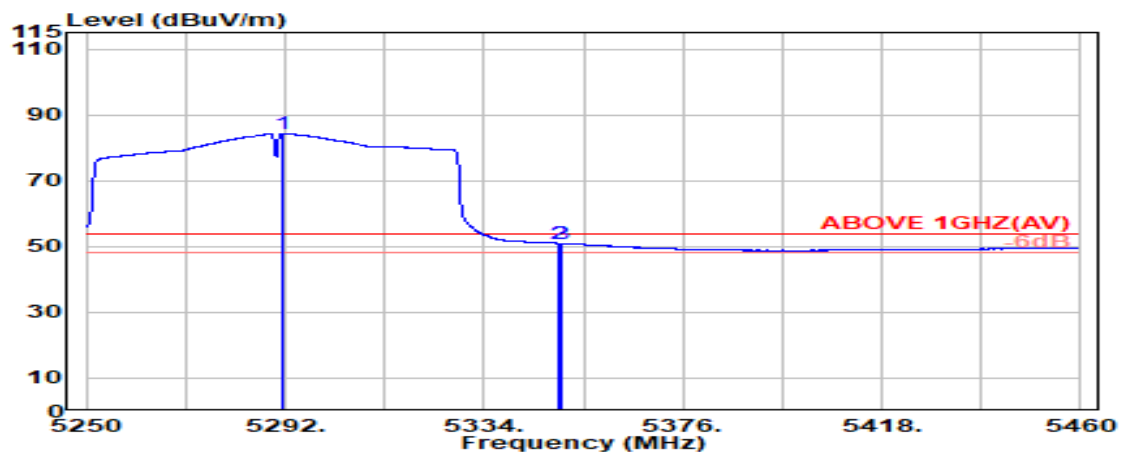
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Mode	802.11ac-VHT80	U-NII Band	U-NII Band 2A
		Frequency	TX 5290MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5293.500	33.50	11.05	34.07	81.28	91.76	---	---	Peak
5350.000	33.50	11.16	34.05	47.57	58.19	74.00	15.81	Peak
5446.000	34.07	11.35	34.01	49.36	60.77	74.00	13.23	Peak



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5291.500	33.50	11.05	34.07	73.81	84.29	---	---	Average
5350.000	33.50	11.16	34.05	40.30	50.92	54.00	3.08	Average
5350.500	33.50	11.16	34.04	40.20	50.82	54.00	3.18	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.