

FCC 15.407 NII 5GHz Test Report

for

LG Electronics Inc.

**222, LG-ro Jinwi-myeon, Pyeongtaek-Si, Gyeonggi-Do,
451-713, Korea**

Product Name : Notebook Computer
Model Name : (1)13U70P (2)13UD70P
(3)13UB70P (4)13UG70P
Brand : LG
FCC ID : BEJNT-13U70P

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.
The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

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APPENDIX A TEST DATA AND PLOTS

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TEST REPORT

Applicant : LG Electronics Inc.
Manufacturer : LG Electronics Inc.
Factory : DIGITEK (CHONGQING) LIMITED
EUT Description
(1) Product : Notebook Computer
(2) Model : (1)13U70P (2)13UD70P (3)13UB70P (4)13UG70P
(3) Brand : LG
(4) Power Supply: DC 19V, 3.42A

Applicable Standards:

Title 47 FCC CFR, Part 15, Subpart E
ANSI C63.10:2013

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: 2020. 10. 16

Reviewed by:



(Sabrina Wang/Administrator)

Approved by:



(Johnny Hsueh/Section Manager)



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1. REVISION RECORD OF TEST REPORT

Edition No	Issued Date	Revision Summary	Report Number
0	2020. 10. 16	Original Report	EM-F200418

2. SUMMARY OF TEST RESULTS

Rule	Description	Results
15.207	Conducted Emission	PASS
15.205/15.209	Radiated Band Edge and Radiated Spurious Emission	PASS
15.407(a)(5)/15.407(e)	26dB/6dB 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
15.203	Antenna Requirement	Compliance
Note: The uncertainties value is not used in determining the result.		

3. GENERAL INFORMATION

3.1. Description of Application

Applicant	LG Electronics Inc. 222, LG-roJinwi-myeon, Pyeongtaek-Si, Gyeonggi-Do, 451-713, Korea
Manufacturer	LG Electronics Inc. 222, LG-roJinwi-myeon, Pyeongtaek-Si, Gyeonggi-Do, 451-713, Korea
Factory	DIGITEK (CHONGQING) LIMITED B01,Section C, Airport Function Zone, LiangluCuntan Free Trade Port Area, Yubei District, Chongqing City, China.
Product	Notebook Computer
Model	(1)13U70P (2)13UD70P (3)13UB70P (4)13UG70P The difference between all models is different in the sales customers. Note: The 4 models [(1)13U70P (2)13UD70P (3)13UB70P (4)13UG70P] are for FCC ID application, and only 1 model (13U70P) is for ISED application.
Brand	LG

3.2. Description of EUT

Test Model	13U70P																												
Serial Number	N/A																												
Power Rating	DC 19V, 3.42A																												
Hardware Version	2.1																												
Software Version	XY (X, Y can be 0 to 9 for different SW version not influence RF parameter)																												
RF Features	WLAN: 802.11 a/b/g/n/ac/ax Bluetooth: BT and BLE (BT 5.0)																												
Transmit Type	<table border="1"> <thead> <tr> <th colspan="2">2.4 GHz</th> </tr> </thead> <tbody> <tr> <td>802.11b</td><td>1T1R</td></tr> <tr> <td>802.11g</td><td>1T1R</td></tr> <tr> <td>802.11n-HT20</td><td>2T2R</td></tr> <tr> <td>802.11n-HT40</td><td>2T2R</td></tr> <tr> <td>802.11ax-HE20</td><td>2T2R</td></tr> <tr> <td>802.11ax-HE40</td><td>2T2R</td></tr> <tr> <td>BT/BLE</td><td>1T1R</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="2">UNII Bands</th> </tr> </thead> <tbody> <tr> <td>802.11a</td><td>1T1R</td></tr> <tr> <td>802.11n-HT20/802.11ac-VHT20/802.11ax-HE20</td><td>2T2R</td></tr> <tr> <td>802.11n-HT40/802.11ac-VHT40/802.11ax-HE40</td><td>2T2R</td></tr> <tr> <td>802.11ac-VHT80/802.11ax-HE80</td><td>2T2R</td></tr> <tr> <td>802.11ac-VHT160/802.11ax-HE160</td><td>2T2R</td></tr> </tbody> </table>	2.4 GHz		802.11b	1T1R	802.11g	1T1R	802.11n-HT20	2T2R	802.11n-HT40	2T2R	802.11ax-HE20	2T2R	802.11ax-HE40	2T2R	BT/BLE	1T1R	UNII Bands		802.11a	1T1R	802.11n-HT20/802.11ac-VHT20/802.11ax-HE20	2T2R	802.11n-HT40/802.11ac-VHT40/802.11ax-HE40	2T2R	802.11ac-VHT80/802.11ax-HE80	2T2R	802.11ac-VHT160/802.11ax-HE160	2T2R
2.4 GHz																													
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802.11ac-VHT80/802.11ax-HE80	2T2R																												
802.11ac-VHT160/802.11ax-HE160	2T2R																												
Device Category	☐ Outdoor Access Point ☐ Fixed point-to-point Access Point ☐ Indoor Access Point ☒ Mobile and Portable client device																												
Test Sample	<table border="1"> <thead> <tr> <th>Sample No.</th><th>Test Item</th><th>Firmware</th></tr> </thead> <tbody> <tr> <td>-01</td><td>AC Conduction</td><td>N/A</td></tr> <tr> <td>-02</td><td>AC Conduction, RSE, Output Power</td><td>N/A</td></tr> </tbody> </table>	Sample No.	Test Item	Firmware	-01	AC Conduction	N/A	-02	AC Conduction, RSE, Output Power	N/A																			
Sample No.	Test Item	Firmware																											
-01	AC Conduction	N/A																											
-02	AC Conduction, RSE, Output Power	N/A																											
Sample Status	Mass production																												
Date of Receipt	2020. 09. 16																												
Date of Test	2020. 09. 21 ~ 10. 16																												

Interface Ports of EUT	• One Micro SD Card Slot • One Earphone Port • Two USB 3.0 Ports • One USB Type C Port • One HDMI Port • One DC Input Port
Accessories Supplied	• AC Adapter • LAN Gender

3.3. Reference Test Guidance

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

3.4. Antenna Information

No.	Antenna Part Number	Manufacture	Antenna Type	Frequency (MHz)	Max Gain (dBi)
1.	1415-07YW000 (Main)	AWAN	PIFA Type	2400~2500	-0.66
				5150-5350	-1.31
				5470-5725	1.59
				5725-5850	1.59
	1415-07YW000 (AUX)	AWAN	PIFA Type	2400~2500	-0.15
				5150-5350	-0.21
				5470-5725	0.24
				5725-5850	-1.01
2	F.0G.LS-6017-001-00 (Main)	Speed	PIFA Type	2400~2500	1.60
				5150-5350	-1.26
				5470-5725	2.54
				5725-5850	2.54
	F.0G.LS-6017-0041-00 (AUX)	Speed	PIFA Type	2400~2500	1.51
				5150-5350	0.78
				5470-5725	0.24
				5725-5850	-2.36

3.5. EUT Specifications Assessed in Current Report

Mode	Band	Fundamental Range (MHz)	Channel Number
802.11a	NII-I	5180-5240	4
	NII-2A	5260-5320	4
	NII-2C	5500-5700	11
	NII-III	5745-5825	5
802.11n-HT20/ 802.11ac-VHT20 802.11ax-HE20	NII-I	5180-5240	4
	NII-2A	5260-5320	4
	NII-2C	5500-5720	12
	NII-III	5745-5825	5
802.11n-HT40/ 802.11ac-VHT40 802.11ax-HE40	NII-I	5190-5230	2
	NII-2A	5270-5310	2
	NII-2C	5510-5710	6
	NII-III	5755-5795	2
802.11ac-VHT80 802.11ax-HE80	NII-I	5210	1
	NII-2A	5290	1
	NII-2C	5530-5690	3
	NII-III	5775	1
802.11ac-VHT160 802.11ax-HE160	NII-I	5250	1
	NII-2A		
	NII-2C	5570	1
Remark: Band NII-2A and NII-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 144.4
802.11n-HT40		Up to 300
802.11ac-VHT20	OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)	Up to 173.3
802.11ac-VHT40		Up to 400
802.11ac-VHT80		Up to 866.7
802.11ac-VHT160		Up to 1733.3
802.11ax-HE20	OFDMA (BPSK/ QPSK/ 16QAM/ 64QAM/ 256QAM/1024QAM)	Up to 287
802.11ax-HE40		Up to 574
802.11ax-HE80		Up to 1201
802.11ax-HE160		Up to 2402

Channel List					
802.11a					
Band	Channel Number	Frequency (MHz)	Band	Channel Number	Frequency (MHz)
NII-I	36	5180	NII-2C	120	5600
	40	5200		124	5620
	44	5220		128	5640
	48	5240		132	5660
NII-2A	52	5260		136	5680
	56	5280		140	5700
	60	5300	NII-III	149	5745
	64	5320		153	5765
NII-2C	100	5500		157	5785
	104	5520		161	5805
	108	5540		165	5825
	112	5560			
	116	5580			

Channel List					
802.11n-HT20/802.11ac-VHT20/802.11ax-HE20					
Band	Channel Number	Frequency (MHz)	Band	Channel Number	Frequency (MHz)
NII-I	36	5180	NII-2C	120	5600
	40	5200		124	5620
	44	5220		128	5640
	48	5240		132	5660
NII-2A	52	5260		136	5680
	56	5280		140	5700
	60	5300		144	5720
	64	5320	NII-III	149	5745
NII-2C	100	5500		153	5765
	104	5520		157	5785
	108	5540		161	5805
	112	5560		165	5825
	116	5580			

Channel List					
802.11n-HT40/802.11ac-VHT40/802.11ax-HE40					
Band	Channel Number	Frequency (MHz)	Band	Channel Number	Frequency (MHz)
NII-I	38	5190	NII-2C	118	5590
	46	5230		126	5630
NII-2A	54	5270		134	5670
	62	5310		142	5710
NII-2C	102	5510	NII-III	151	5755
	110	5550		159	5795

Channel List					
802.11ac-VHT80/802.11ax-HE80					
Band	Channel Number	Frequency (MHz)	Band	Channel Number	Frequency (MHz)
NII-I	42	5210	NII-2C	138	5690
NII-2A	58	5290	NII-III	155	5775
NII-2C	106	5530			
	122	5610			

Channel List					
802.11ac-VHT160/802.11ax-HE160					
UNII Band	Channel Number	Frequency (MHz)	UNII Band	Channel Number	Frequency (MHz)
NII-I	50	5250	NII-2C	114	5570
NII-2A					

Note: Test modes are presented at section 3.7.

3.6. Description of Key Components

3.6.1. For the All Component Lists

Item	Supplier	Model / Type	Character
System	Microsoft	Win10 Home	---
		Win10 Pro	---
Main Board	LG	GT13R MB	Manufacturer: #1 HannstarBoardTech(Jiang Yin)Corp.,Ltd. #2 Changshu Gold Circuit Technoligy Co. Ltd.
WLAN SUB Board	LG	GT13R IO BD	Manufacturer: #1 HannstarBoardTech(Jiang Yin)Corp.,Ltd. #2 Changshu Gold Circuit Technoligy Co. Ltd.
CPU (Socket: BGA (FP6))	AMD	RYZEN 7 4700U	2.0GHz,
		RYZEN 5 4500U	2.3GHz
		RYZEN 3 4300U	2.7GHz
13" LCD Panel	LG Display	LP133WF7-SPA1	Resolution: 1920 x 1080, 60Hz FHD IPS
Memory (RAM)	SK Hynix	---	16Gb x16 DDR4-3200 (on Board)
		---	8Gb x16 DDR4-3200 (on Board)
	Samsung	---	16Gb x16 DDR4-3200 (on Board)
		---	8Gb x16 DDR4-3200 (on Board)
Storage (SSD)	SK hynix	---	512GB-NVMe
		---	256GB-NVMe
	Samsung	---	512GB-NVMe
		---	256GB-NVMe
		---	128GB-SATA
Battery Pack	LG	LBU5228E	DC 11.25V, 51Wh, Typ 4540mAh
Web Camera	Chicony	CKFIH3421005110LH	With two microphones
WLAN Combo Card	Intel	AX200NGW	WLAN and BT, 2x2 FCC ID: PD9AX200NG IC: 1000M-AX200NG NCC ID: CCAH19LP0850T0
WLAN Combo Antenna	AWAN	AYP6Y-200017	PIFA Type, Main: Black
			PIFA Type, Aux: Gray
	Speed	F.0G.LS-6017-001-00	PIFA Type, Main: Black
		F.0G.LS-6017-0041-00	PIFA Type, Aux: Gray
LAN Gender (Type C to LAN)	MEC	80-5946-111	(White) 10/100Megabit Ethernet
		80-5946-101	(Black) 10/100 Megabit Ethernet
	MEC	80-5946-200	(White) 10/100/1000 Megabit Ethernet
		80-5946-210	(Black) 10/100/1000 Megabit Ethernet
	Type C to LAN: Shielded, Undetached, 0.12m		
AC Adapter	Chicony	A18-065N3A	I/P: AC 100-240V, 50-60Hz, 1.7A, O/P: DC 19V, 3.42A, 65W
	DC Power Cord: Non-Shielded, Undetached, 1.8m, bonded a ferrite core AC Power Cord: Non-Shielded, Detached, 1m (3C)		

Remark: For more detailed features description, please refer to the manufacturer's specifications or the user manual.

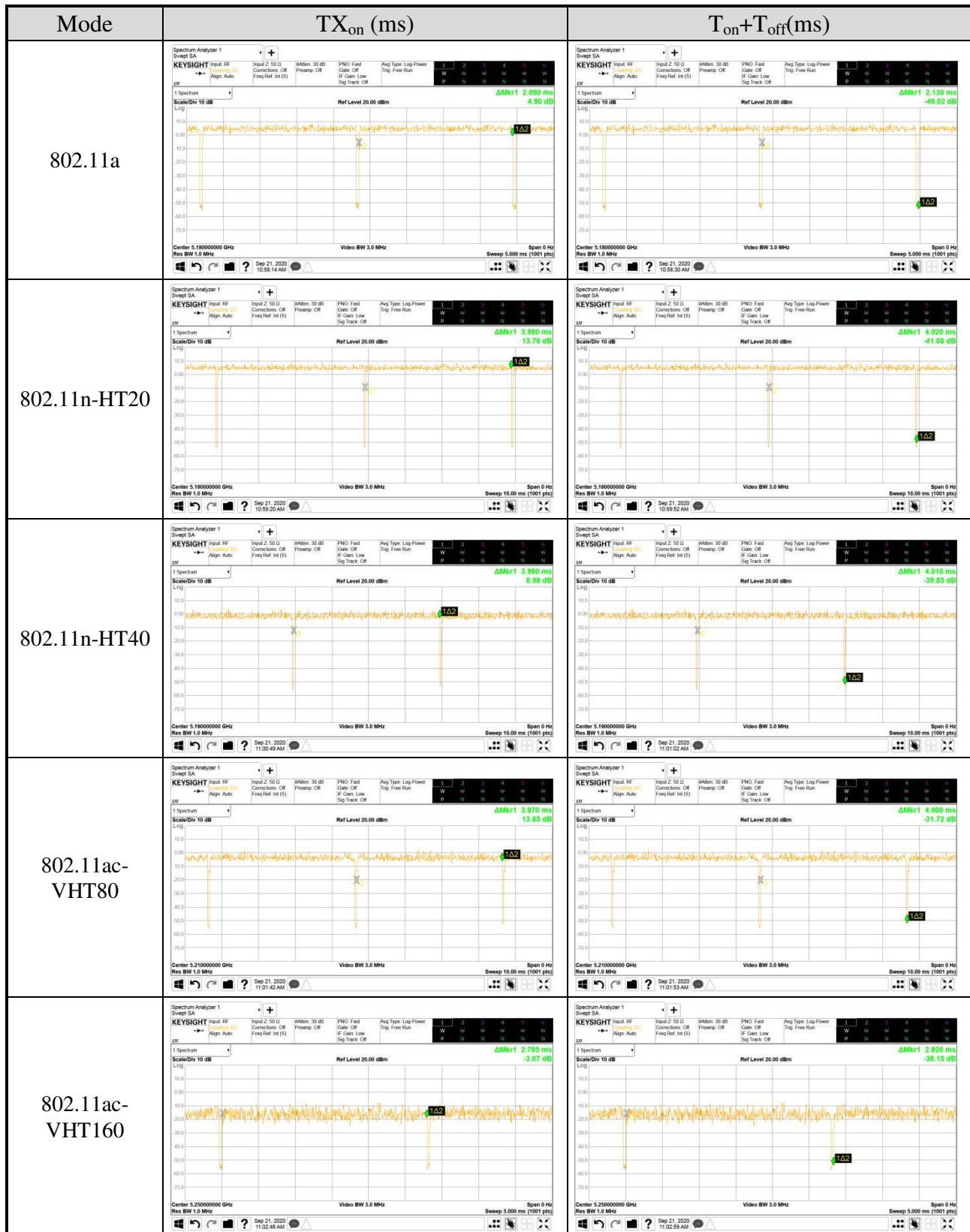
3.6.2. The EUT collocates with following worst components, which are used to establish a basic configuration of system during test:

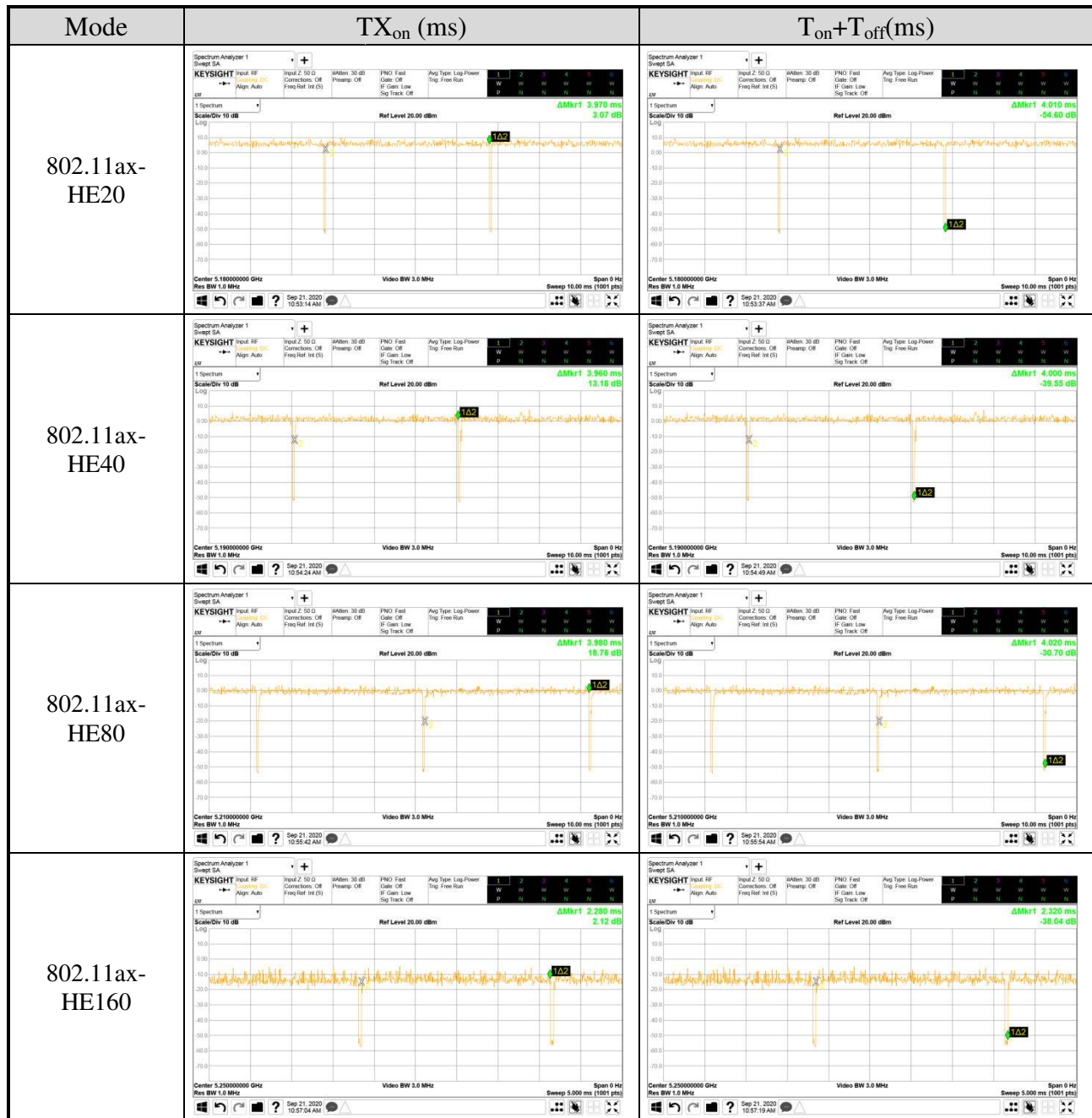
SKU		1	2
System	Microsoft, Win10 Home	V	V
Main Board	LG, GT13R MB	V	V
WLAN SUB Board	LG, GT13R IO BD	V	V
CPU	AMD, RYZEN 7 4700U	V	
	AMD, RYZEN 3 4300U		V
13" LCD Panel	LG Display, LP133WF7-SPA1	V	V
Memory (RAM)	16GB	V	
	8GB		V
Storage (SSD)	512GB	V	
	256GB		V
Battery Pack	LG, LBU5228E	V	V
Web Camera	Chicony, CKFIH3421005110LH	V	V
WLAN Combo Card	Intel, AX200NGW	V	V
WLAN Combo Antenna	AWAN, PIFA Type, Main/Aux	V	
	Speed, PIFA Type, Main/Aux		V
AC Adapter	Chicony, A18-065N3A	V	V
Type C	Type C to LAN Gender	V	V
	MEC, 80-5946-111	V	
	MEC, 80-5946-200		V

3.7. Test Configuration

Mode	T _{Xon} (ms)	1/ T _{Xon} (kHz)	Duty Cycle (x)	Duty Cycle Factor [10log(1/x)] (dB)
802.11a	2.090	0.478	0.981	N/A
802.11n-HT20	3.980	0.251	0.990	N/A
802.11n-HT40	3.980	0.251	0.993	N/A
802.11ac-VHT80	3.970	0.252	0.993	N/A
802.11ac-VHT160	2.785	0.359	0.988	N/A
802.11ax-HE20	3.970	0.252	0.990	N/A
802.11ax-HE40	3.960	0.253	0.990	N/A
802.11ax-HE80	3.980	0.251	0.990	N/A
802.11ax-HE160	2.280	0.439	0.983	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.





AC Conduction	
SKU #1	Normal operation (SKU #1 with AWAN Antenna)
SKU #2	Normal operation (SKU #2 with Speed Antenna)

Item			Mode	Data Rate	Test Channel
Radiated Test Case Note3	SKU#2	Radiated Band Edge Note1	802.11a	6 Mbps	36/64/100/140/149/165
			802.11n-HT20	MCS8	36/64/100/140/144/149/165
			802.11n-HT40	MCS8	38/62/102/134/142/151/159
			802.11ac-VHT80	MCS0	42/58/106/122/138/155
			802.11ac-VHT160	MCS0	50/114
			802.11ax-HE20	HE0	36/64/100/140/144/149/165
			802.11ax-HE40	HE0	38/62/102/134/142/151/159
			802.11ax-HE80	HE0	42/58/106/122/138/155
			802.11ax-HE160	HE0	50/114
		Radiated Spurious Emission Note1 & 2	802.11a	6 Mbps	48/52/116/149
			802.11n-HT20	MCS8	48/60/116/144/157
			802.11n-HT40	MCS8	46/54/110/142/159
			802.11ac-VHT80	MCS0	42/58/122/138/155
			802.11ac-VHT160	MCS0	50/114
			802.11ax-HE20	HE0	40/52/116/144/149
			802.11ax-HE40	HE0	46/54/110/142/159
			802.11ax-HE80	HE0	42/58/122/138/155
			802.11ax-HE160	HE0	50/114

Item			Mode	Data Rate	RU Configuration	Test Channel
Radiated Test Case Note3	SKU#2	Radiated Band Edge Note1	802.11ax-HE20	HE0	26/0	36/100/149
					52/37	
					106/53	
				HE0	26/8	64/140/165
					52/40	
					106/54	
			802.11ax-HE40	HE0	242/61	38/102/151
				HE0	242/62	62/134/159
			802.11ax-HE80	HE0	484/65	42/106/155
				HE0	484/66	58/122/155
			802.11ax-HE160	HE0	996/67	50/114
				HE0	996/S67	50/114
				HE0	996/S67	50/114

Item		Mode	Data Rate	Test Channel
Conducted Test Case Note6	26dB/6dB Bandwidth	802.11a	6 Mbps	36/40/48/52/60/64/100/116/140/ 149/157/165
		802.11n-HT20	MCS8	36/40/48/52/60/64/100/116/140/ 144/149/157/165
		802.11n-HT40	MCS8	38/46/54/62/102/110/134/142/ 151/159
		802.11ac-VHT80	MCS0	42/58/106/122/138/155
		802.11ac-VHT160	MCS0	50/114
		802.11ax-HE20	HE0	36/40/48/52/60/64/100/116/140/ 144/149/157/165
		802.11ax-HE40	HE0	38/46/54/62/102/110/134/142/ 151/159
		802.11ax-HE80	HE0	42/58/106/122/138/155
		802.11ax-HE160	HE0	50/114
	Maximum output power	802.11a	6 Mbps	36/40/48/52/60/64/100/116/140/ 149/157/165
		802.11n-HT20	MCS8	36/40/48/52/60/64/100/116/140/ 144/149/157/165
		802.11n-HT40	MCS8	38/46/54/62/102/110/134/142/ 151/159
		802.11ac-VHT80	MCS0	42/58/106/122/138/155
		802.11ac-VHT160	MCS0	50/114
		802.11ax-HE20	HE0	36/40/48/52/60/64/100/116/140/ 144/149/157/165
		802.11ax-HE40	HE0	38/46/54/62/102/110/134/142/ 151/159
		802.11ax-HE80	HE0	42/58/106/122/138/155
		802.11ax-HE160	HE0	50/114
	Power spectral density	802.11a	6 Mbps	36/40/48/52/60/64/100/116/140/ 149/157/165
		802.11n-HT20	MCS8	36/40/48/52/60/64/100/116/140/ 144/149/157/165
		802.11n-HT40	MCS8	38/46/54/62/102/110/134/142/ 151/159
		802.11ac-VHT80	MCS0	42/58/106/122/138/155
		802.11ac-VHT160	MCS0	50/114
		802.11ax-HE20	HE0	36/40/48/52/60/64/100/116/140/ 144/149/157/165
		802.11ax-HE40	HE0	38/46/54/62/102/110/134/142/ 151/159
		802.11ax-HE80	HE0	42/58/106/122/138/155
		802.11ax-HE160	HE0	50/114

Item		Mode	Data Rate	RU Configuration	Test Channel
Conducted Test Case Note6	26dB/6dB Bandwidth	802.11ax-HE20	HE0	26/0	36/100/149
				52/37	
				106/53	
			HE0	26/8	64/140/165
				52/40	
				106/54	
		802.11ax-HE40	HE0	242/61	38/102/151
			HE0	242/62	62/134/159
		802.11ax-HE80	HE0	484/65	42/106/155
			HE0	484/66	58/122/155
		802.11ax-HE160	HE0	996/67	50/114
			HE0	996/S67	50/114

Item		Mode	Data Rate	RU Configuration	Test Channel
Conducted Test Case Note6	Maximum output power	802.11ax-HE20	HE0	26/0	36/100/149
				52/37	
				106/53	
			HE0	26/8	64/140/165
				52/40	
				106/5	
		802.11ax-HE40	HE0	242/61	38/102/151
			HE0	242/62	62/134/159
		802.11ax-HE80	HE0	484/65	42/106/155
			HE0	484/66	58/122/155
		802.11ax-HE160	HE0	996/67	50/114
			HE0	996/S67	50/114
	Power spectral density	802.11ax-HE20	HE0	26/0	36/100/149
				52/37	
				106/53	
			HE0	26/8	64/140/165
				52/40	
				106/54	
		802.11ax-HE40	HE0	242/61	38/102/151
			HE0	242/62	62/134/159
		802.11ax-HE80	HE0	484/65	42/106/155
			HE0	484/66	58/122/155
		802.11ax-HE160	HE0	996/67	50/114
			HE0	996/S67	50/114

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: Both of the antennas are the same type, and we presented the worst case in the report. The max-gain condition with SISO (Chain 1: Main port) and MIMO is SKU 2. The MIMO is uncorrelated and supported SDM mode only.

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

Note 6: For all conducted items except to output power: after pre-tested for each antenna ports, the worst port (Chain 1: Main port) was selected and the test data presented in this report.

3.8. Output Power Setting

Mode	Band	Centre Frequency (MHz)	Power Setting	
			Chain 0 (AUX)	Chain 1 (Main)
802.11a	NII-I	5180	19.500	20.250
		5200	21.250	21.375
		5240	21.250	21.500
	NII-2A	5260	21.125	21.500
		5300	21.250	21.500
		5320	18.500	18.500
	NII-2C	5500	18.875	19.375
		5580	21.250	21.750
		5700	18.750	19.625
	NII-III	5745	21.250	21.875
		5785	21.250	21.250
		5825	21.250	21.000

Mode	Band	Centre Frequency (MHz)	Power Setting	
			Chain 0 (AUX)	Chain 1 (Main)
802.11n-HT20	NII-I	5180	18.000	18.375
		5200	19.500	19.750
		5240	19.625	19.750
	NII-2A	5260	19.625	19.750
		5300	19.625	19.875
		5320	16.625	16.750
	NII-2C	5500	17.875	18.500
		5580	19.375	19.750
		5700	15.750	18.000
	NII-III	5720	18.750	19.000
		5745	20.250	20.375
		5785	20.375	20.250
		5825	20.375	20.125

Mode	Band	Centre Frequency (MHz)	Power Setting	
			Chain 0 (AUX)	Chain 1 (Main)
802.11n-HT40	NII-I	5190	17.000	17.500
		5230	19.000	19.250
	NII-2A	5270	18.625	19.000
		5310	13.875	14.500
	NII-2C	5510	16.500	17.125
		5550	20.000	20.500
		5670	18.500	19.625
	NII-III	5710	19.375	19.625
		5755	19.750	19.625
		5795	19.875	19.750

Mode	Band	Centre Frequency (MHz)	Power Setting	
			Chain 0 (AUX)	Chain 1 (Main)
802.11ac-VHT80	NII-I	5210	17.000	17.250
	NII-2A	5290	16.000	16.000
	NII-2C	5530	17.125	17.875
		5610	19.000	19.250
		5690	20.125	20.250
	NII-III	5775	17.500	18.000

Mode	Band	Centre Frequency (MHz)	Power Setting	
			Chain 0 (AUX)	Chain 1 (Main)
802.11ac-VHT160	NII-I/NII-2A	5250	12.625	13.875
	NII-2C	5570	12.125	14.375

Mode	Band	Centre Frequency (MHz)	Power Setting	
			Chain 0 (AUX)	Chain 1 (Main)
802.11ax-HE20	NII-I	5180	18.250	18.620
		5200	20.000	20.625
		5240	20.000	20.125
	NII-2A	5260	19.750	20.000
		5300	19.750	20.000
		5320	17.125	17.125
	NII-2C	5500	18.000	18.250
		5580	20.000	20.000
		5700	16.250	18.875
		5720	18.750	19.125
	NII-III	5745	20.250	20.625
		5785	20.500	20.500
		5825	20.250	20.375

Mode	Band	Centre Frequency (MHz)	Power Setting	
			Chain 0 (AUX)	Chain 1 (Main)
802.11ax-HE40	NII-I	5190	17.125	17.625
		5230	19.250	19.375
	NII-2A	5270	18.750	19.000
		5310	14.875	15.000
	NII-2C	5510	16.625	17.000
		5550	20.000	20.500
		5670	18.000	18.500
		5710	19.500	19.500
	NII-III	5755	19.375	19.625
		5795	19.875	20.000

Mode	Band	Centre Frequency (MHz)	Power Setting	
			Chain 0 (AUX)	Chain 1 (Main)
802.11ax-HE80	NII-I	5210	17.000	17.250
	NII-2A	5290	15.375	15.875
	NII-2C	5530	17.250	18.000
		5610	18.375	19.125
		5690	20.000	20.625
	NII-III	5775	17.500	18.000

Mode	Band	Centre Frequency (MHz)	Power Setting	
			Chain 0 (AUX)	Chain 1 (Main)
802.11ax-HE160	NII-I/NII-2A	5250	12.625	13.250
	NII-2C	5570	12.625	14.375

Mode	Band	Centre Frequency (MHz)	RU Configuration	Power Setting	
				Chain 0 (AUX)	Chain 1 (Main)
802.11ax-HE20	NII-I	5180	26/0	10.250	10.750
			52/37	13.000	13.375
			106/53	16.375	16.500
	NII-2A	5320	26/8	10.250	10.250
			52/40	13.125	13.125
			106/54	16.500	16.375
	NII-2C	5500	26/0	10.250	10.250
			52/37	13.000	13.125
			106/53	16.375	16.500
		5700	26/8	10.000	10.250
			52/40	13.000	13.250
			106/54	16.375	16.625
	NII-III	5745	26/0	14.000	14.000
			52/37	16.500	16.750
			106/53	19.875	20.000
		5825	26/8	14.500	14.500
			52/40	17.000	17.000
			106/54	19.750	19.750

Mode	Band	Centre Frequency (MHz)	RU Configuration	Power Setting	
				Chain 0 (AUX)	Chain 1 (Main)
802.11ax-HE40	NII-I	5190	242/61	18.000	18.250
	NII-2A	5310	242/62	17.375	16.875
	NII-2C	5510	242/61	18.500	19.000
		5670	242/62	18.500	19.375
	NII-III	5755	242/61	19.875	20.250
		5795	242/62	19.875	20.000

Mode	Band	Centre Frequency (MHz)	RU Configuration	Power Setting	
				Chain 0 (AUX)	Chain 1 (Main)
802.11ax-HE80	NII-I	5210	484/65	16.750	16.625
	NII-2A	5290	484/66	16.500	16.375
	NII-2C	5530	484/65	16.875	17.750
		5610	484/66	18.500	19.125
	NII-III	5775	484/65	18.875	19.500
		5775	484/66	18.875	19.500

Mode	Band	Centre Frequency (MHz)	RU Configuration	Power Setting	
				Chain 0 (AUX)	Chain 1 (Main)
802.11ax-HE160	NII-I/NII-2A	5250	996/67	16.750	17.000
		5250	996/S67	15.875	15.875
	NII-2C	5570	996/67	15.875	17.000
		5570	996/S67	18.625	19.625

3.9. Tested Supporting System List

3.9.1. Support Peripheral Unit

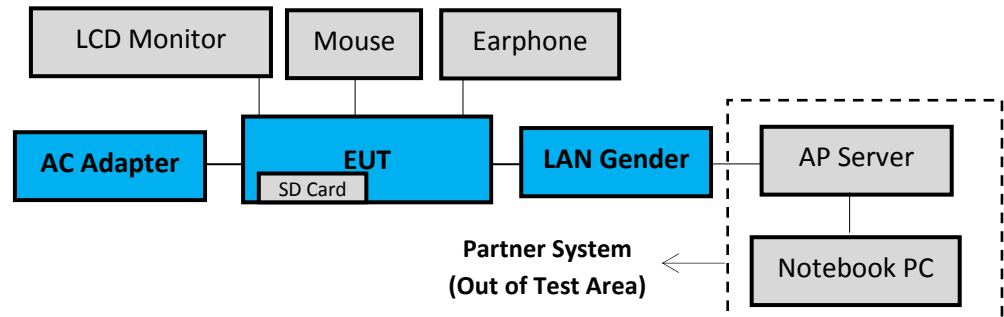
No.	Product	Brand	Model No.	Serial No.	Approval
1.	LCD Monitor	LG	22LK330-DB	N/A	N/A
2.	USB Mouse	LENOVO	45J4886	N/A	FCC By DoC
3.	Earphone	APPLE	N/A	N/A	N/A
4.	SD Card	ADATA	MicroSDHC Card	N/A	N/A
Partner System					
5.	AP Server	D-Link	DIR-868L	R3WE1D7002319	FCC ID: KA2IR868LA1
					Contains FCC ID: RRK2012060056-1
6	Notebook PC	Lenovo	TP00034A	895097	FCC By DoC

3.9.2. Cable Lists

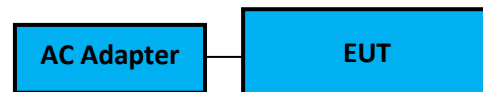
No.	Cable Description Of The Above Support Units
1.	HDMI Cable: Shielded, Detachable, 1.8m AC Power Cord: Unshielded, Detachable, 1.8m
2.	USB Cable: Unshielded, Undetachable, 1.8m
3.	Earphone Cable: Unshielded, Undetachable, 0.9m
4.	N/A
5.	AC adapter: M/N:WA-30B12, Cable: Unshielded, Detachable, 1.2m LAN cable: Unshielded, Detachable, 3.0m
6.	LAN cable: Unshielded, Detachable, 1.8m

3.10. Setup Configuration

3.10.1. EUT Configuration for Power Line & Radiated Emission



3.10.2. EUT Configuration for RF Conducted Test Items



3.11. Operating Condition of EUT

Test program “DRTU” is used for enabling EUT WLAN function under continues transmitting and choosing data rate/ channel.

[Chain 0 is aux port (A Button in DRTU) Chain 1 is main port (B Button in DRTU)].

3.12. Description of Test Facility

Name of Test Firm	Audix Technology Corporation / EMC Department No. 53-11, Dingfu, 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) Fully Anechoic Chamber

3.13.Measurement Uncertainty

Test Items/Facilities			Frequency Range	Uncertainty
Conduction Test			9kHz-150kHz	±3.7dB
			150kHz-30MHz	±3.5dB
Radiation Test	☒	No.1 3m Semi Anechoic Chamber	30MHz-200MHz, 3m, Horizontal	±4.1dB
			200MHz-1000MHz, 3m, Horizontal	±3.9dB
			30MHz-200MHz, 3m, Vertical	±4.2dB
			200MHz-1000MHz, 3m, Vertical	±4.1dB
			1GHz-6GHz, 3m	±4.2dB
			6GHz-18GHz, 3m	±4.6dB
	☐	No.3 3m Semi Anechoic Chamber	30MHz-200MHz, 3m, Horizontal	±3.9dB
			200MHz-1000MHz, 3m, Horizontal	±3.9dB
			30MHz-200MHz, 3m, Vertical	±4.4dB
			200MHz-1000MHz, 3m, Vertical	±4.1dB
	☐	No.4 3m Semi Anechoic Chamber	30MHz-200MHz, 3m, Horizontal	±4.3dB
			200MHz-1000MHz, 3m, Horizontal	±4.0dB
			30MHz-200MHz, 3m, Vertical	±4.3dB
			200MHz-1000MHz, 3m, Vertical	±4.4dB
			1GHz-6GHz, 3m	±4.5dB
			6GHz-18GHz, 3m	±4.6dB
	☐	No.5 3m Semi Anechoic Chamber	30MHz-200MHz, 3m, Horizontal	±4.0dB
			200MHz-1000MHz, 3m, Horizontal	±3.9dB
			30MHz-200MHz, 3m, Vertical	±4.2dB
			200MHz-1000MHz, 3m, Vertical	±4.3dB
			1GHz-6GHz, 3m	±4.3dB
			6GHz-18GHz, 3m	±4.7dB
	☒	Fully Anechoic Chamber	30MHz~1000MHz	±4.7dB
			1GHz~18GHz	±5.3dB

Remark : Uncertainty = $ku_c(y)$

Test Items	Uncertainty
Emission Bandwidth	± 0.2kHz
Maximum output power	± 0.33dB
Power spectral density	± 0.13dB

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	2020.02.04	1 Year
2.	A.M.N.	R&S	ENV432	101567	2020.04.20	1 Year
3.	L.I.S.N.	Kyoritsu	KNW-407	8-855-9	2019.12.10	1 Year
4.	Pulse Limiter	R&S	ESH3-Z2	100354	2020.01.05	1 Year
5.	Digital Thermo-Hygro Meter	iMax	HTC-1	No.8 S/R	2020.04.17	1 Year
6.	Coaxial Cable	Yeida	RG/58AU	CE-08	2020.09.19	1 Year
7.	Test Software	Audix	e3	V6.120619c	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	N9030A-526	MY53400071	2020.01.16	1 Year
2.	Spectrum Analyzer	Keysight	N9010B-544	MY55460198	2020.04.29	1 Year
3.	Test Receiver	R&S	ESCS30	100338	2020.06.10	1 Year
4.	Amplifier	HP	8447D	2944A06305	2020.01.16	1 Year
5.	Amplifier	HP	8449B	3008A02678	2020.02.27	1 Year
6.	Amplifier	HP	8449B	3008A01284	2020.05.26	1 Year
7.	Amplifier	Keysight	83051A	MY53010042	2020.08.05	1 Year
8.	Loop Antenna	R&S	HFH2-Z2	891847/27	2019.12.26	2 Years
9.	Bilog Antenna	TESEQ	CBL6112D	33821	2020.01.17	1 Year
10.	Horn Antenna	EMCO	3115	9609-4927	2020.06.23	1 Year
11.	Horn Antenna	EMCO	3117	00135902	2020.03.20	1 Year
12.	Horn Antenna	COM-POWER	AH-840	101092	2020.05.08	1 Year
13.	5G Notch Filter	Microwave	N0452502	459775	2020.05.06	1 Year
14.	5G Notch Filter	Microwave	N0555983	504921	2020.08.05	1 Year
15.	5G Notch Filter	Microwave	N0257881	459776	2020.08.20	1 Year
16.	Coaxial Cable	MIYAZAKI	5D2W	RE-11	2020.01.31	1 Year
17.	Coaxial Cable	HUBER+SUHNER	SUCOFLEX 106	RE-14	2020.01.31	1 Year
18.	Coaxial Cable	HUBER+SUHNER	SUCOFLEX 104	RE-29	2020.09.19	1 Year
19.	Coaxial Cable	HUBER+SUHNER	SUCOFLEX 102	RE-30	2020.09.19	1 Year
20.	Digital Thermo-Hygro Meter	iMax	HTC-1	No.1 3m A/C	2020.04.17	1 Year
21.	Digital Thermo-Hygro Meter	EVERY DAY	E-512	RF-02	2020.04.17	1 Year
22.	Test Software	Audix	e3	V6.120619c	N.C.R.	N.C.R.

4.3. RF Conducted Measurement

Item	Type	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
1.	Spectrum Analyzer	Keysight	N9020B-544	MY57120357	2020.01.10	1 Year
2.	Power Meter	Anritsu	ML2495A	1145008	2019.11.06	1 Year
3.	Power Sensor	Anritsu	MA2411B	1126096	2019.11.06	1 Year
4.	Digital Thermo-Hygro Meter	Shenzhen Datronn Electronics	KT-905	RF	2020.04.17	1 Year

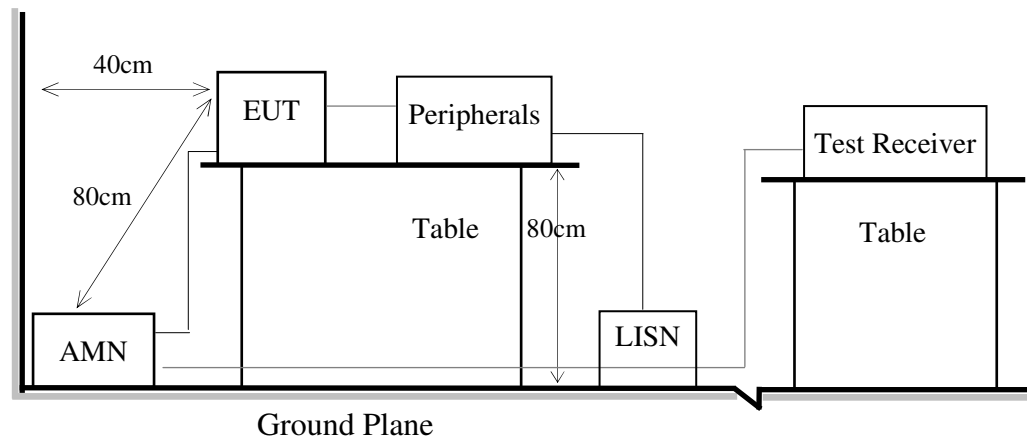
5. CONDUCTED EMISSION

5.1. Block Diagram of Test Setup

5.1.1. Block Diagram of EUT

Indicated as section 3.9

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

Remark1.: 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.

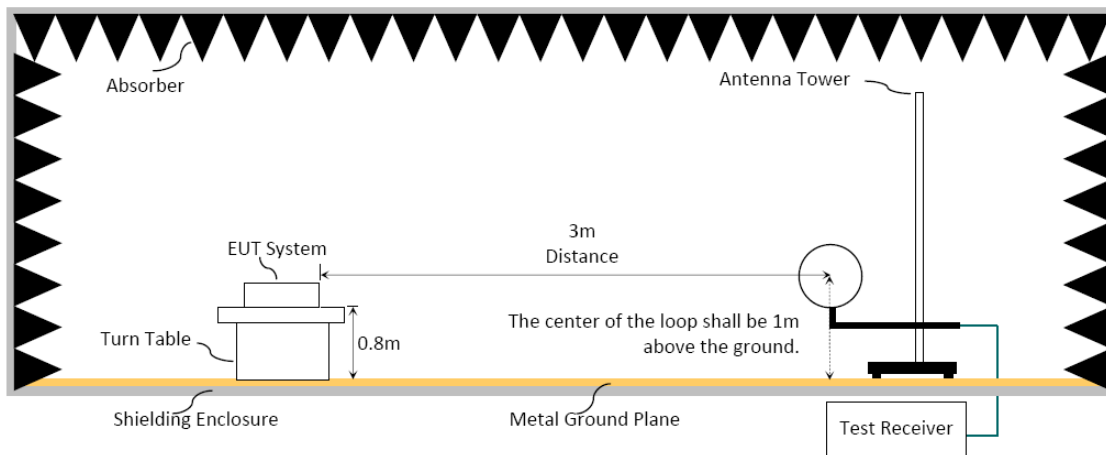
6. RADIATED EMISSION

6.1. Block Diagram of Test Setup

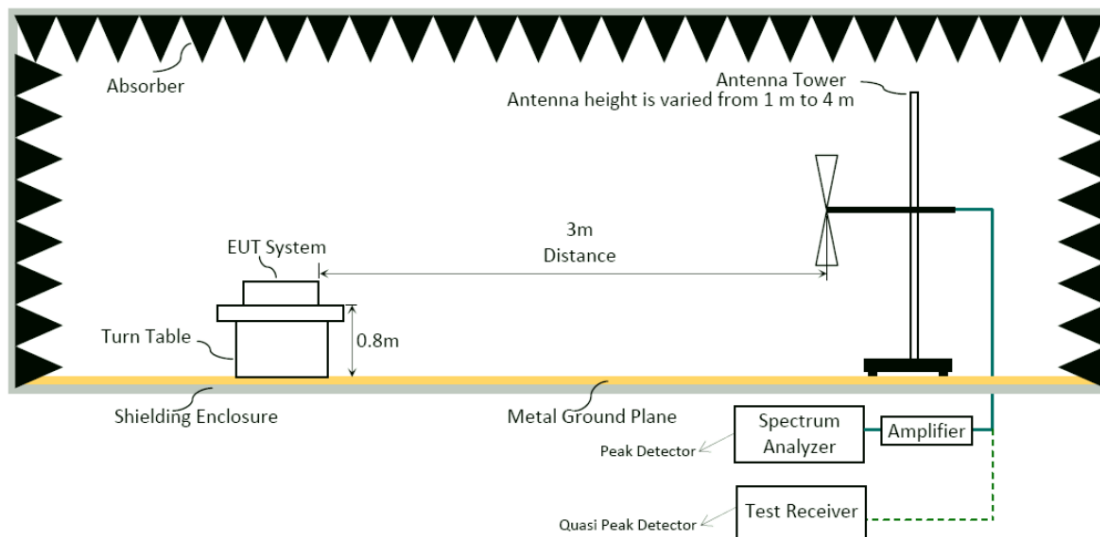
6.1.1. Block Diagram of EUT

Indicated as section 3.9

6.1.2. Setup Diagram for 9kHz-30MHz

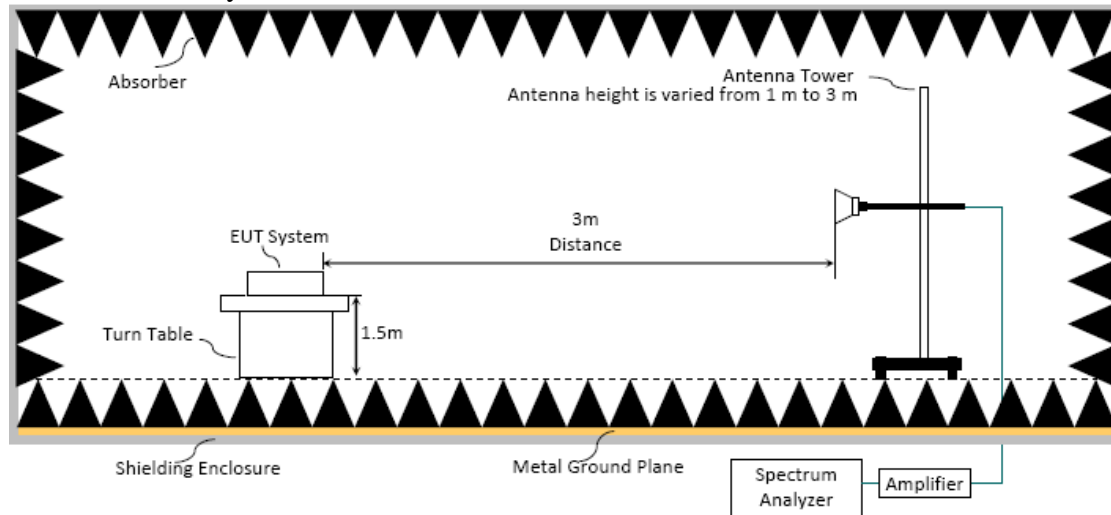


6.1.3. Setup Diagram for 30-1000MHz

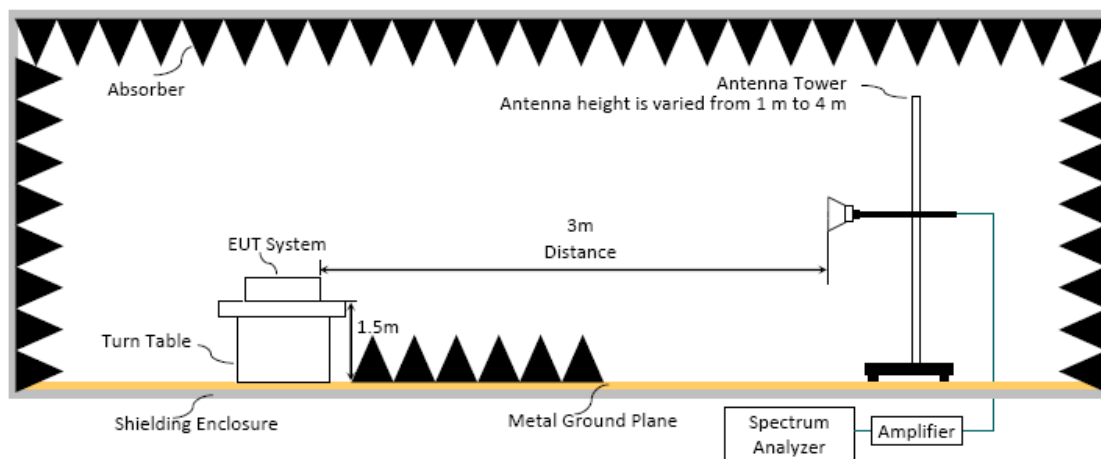


6.1.4. Setup Diagram for above 1GHz

Fully Anechoic Chamber



Semi Anechoic Chamber



6.2. Radiated Emission Limits

Radiated emissions fall in restricted bands, as defined in Section 15.205 must be in compliance with the radiated emission limits specified in 15.209 as below.

6.2.1. General Limit

Frequency (MHz)	Distance(m)	Limits	
		dB μ V/m	μ V/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 dB μ V/m (Peak) 54.0 dB μ V/m (Average)	

Remark : (1) dB μ V/m = 20 log (μ 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.

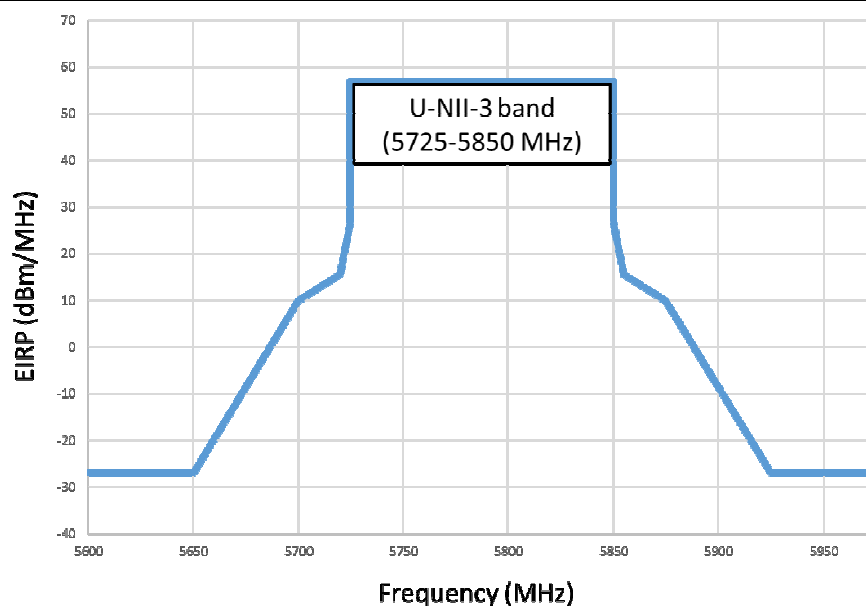
(5) Pursuant to ANSI C63.10: 6.6.4.3, if the maximized peak measured value complies with the average limit, then it is unnecessary to perform an average measurement.

6.2.2. Limit for non-restricted frequency above 1 GHz

Frequency Band (MHz)	E.I.R.P. Limit	Field Strength Limit at 3 m
5150 to 5250	-27 dBm	68.2
5250 to 5350		68.2
5470 to 5725		68.2

Note: Field Strength at 3 m= E.I.R.P. + 95.2 dB

Frequency Band (MHz)	Field Strength Limit at 3 m	
5725 to 5850	☒	15.407(b)(4)(i) All emissions shall be limited to a level of 68.2 dBμV/m at 75 MHz or more above or below the band edge increasing linearly to 105.2dBμV/m at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 110.8 dBμV/m at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 68.2 dBμV/m at the band edge.
	☐	15.407(b)(4)(ii) ,compliance with the emission limits in § 15.247(d) Shall be at least 30dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power,. Attenuation below the general limits specified in §15.209(a) is not required. In addition,radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c))



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 C63.10-2013 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 (for 30-1000MHz) and from 1m to 3m (for above 1GHz at fully Anechoic Chamber) or from 1 m to 4 m (for above 1GHz at Semi Anechoic Chamber) 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 C63.10-2013 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 $\geq 1/T$.

Modulation Type	TX _{on} (ms)	1/ TX _{on} (kHz)	VBW Setting(kHz)
802.11a	2.090	0.478	10Hz
802.11n-HT20	3.980	0.251	10Hz
802.11n-HT40	3.980	0.251	10Hz
802.11ac-VHT80	3.970	0.252	10Hz
802.11ac-VHT160	2.785	0.359	10Hz
802.11ax-HE20	3.970	0.252	10Hz
802.11ax-HE40	3.960	0.253	10Hz
802.11ax-HE80	3.980	0.251	10Hz
802.11ax-HE160	2.280	0.439	10Hz

N/A: 1/ T is not implemented when duty cycle presented in section 3.6 is $\geq 98\%$.

(1) Detector = Peak.

(2) Sweep time = auto.

(3) Trace mode = max hold.

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

□ Option 2:

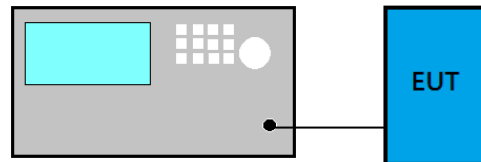
Average Emission Level= Peak Emission Level+ D.C.C.F.

6.4. Measurement Result Explanation**■** Peak Emission Level=Antenna Factor + Cable Loss + Meter Reading (including Preamp factor if test used)**■** Average Emission Level=Antenna Factor + Cable Loss + Meter Reading (including Preamp factor if test used)**□** Average Emission Level= Peak Emission Level+ DCCFDuty Cycle Correction Factor (DCCF)= $20\log(TX_{on}/TX_{on+off})$ presented in section 3.6.**□** ERP= Peak Emission Level-95.2dB-2.14dB**6.5. Test Results**

Please refer to Appendix A.

7. 26dB/6dB 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 5850	$\geq 500\text{kHz}$

7.3. Test Procedure

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

■ Applicable to all bands except to 5725 MHz- 5850 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.

■ 5725 MHz- 5850 MHz

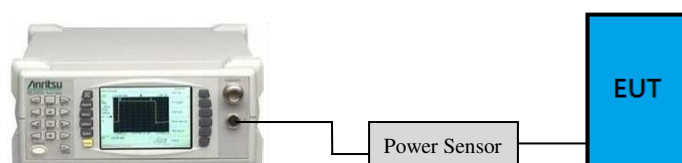
- (1) Set RBW = 100 kHz.
- (2) Set the video bandwidth (VBW) $\geq 3 \times \text{RBW}$.
- (3) Detector = Peak.
- (4) Trace mode = max hold.
- (5) Sweep = auto couple.
- (6) Allow the trace to stabilize.
- (7) Setting channel bandwidth function x dB to -6 dB to record the final bandwidth.

7.4. Test Results

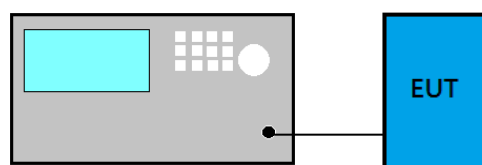
Please refer to Appendix A

8. MAXIMUM OUTPUT POWER

8.1. Block Diagram of Test Setup



- For 802.11ac-VHT80/160, 802.11ax-HE160 modes only



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 $11 \text{ dBm} + 10 \log B$ ^{Note1}
5470 to 5725		250 mW or $11 \text{ dBm} + 10 \log B$ ^{Note1}
5725 to 5850		1 W(30 dBm)

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:

■ **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) for 802.11ac-VHT80/160, 802.11ax-HE80/160 modes only**

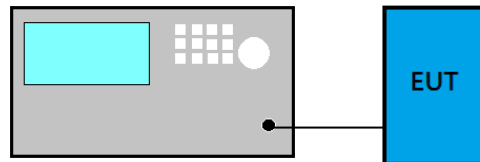
- (1) Set span to at least 1.5 times the OBW
- (2) Set RBW = 1 MHz
- (3) Set the video bandwidth (VBW) ≥ 3 MHz.
- (4) Detector = RMS.
- (5) Trace mode = trace average at least 100 traces
- (6) Sweep = auto couple.
- (7) Compute power by integrating the spectrum across the OBW of the signal using the 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		30dBm/500 kHz

9.3. Test Procedure

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

■ Method AVGSA-2 (Spectrum channel power)

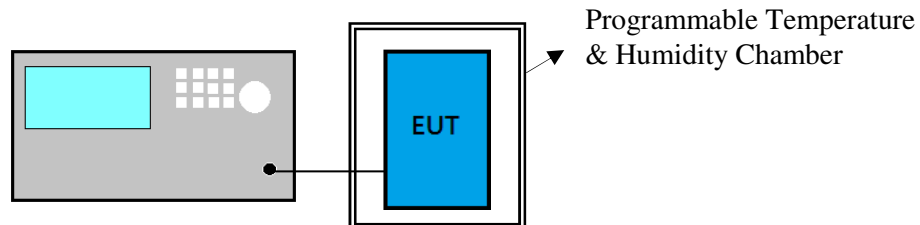
- (1) Set span to at least 1.5 times the OBW
- (2) Set RBW = 1 MHz
- (3) Set the video bandwidth (VBW) ≥ 3 MHz.
- (4) Detector = RMS.
- (5) Trace mode = trace average at least 100 traces
- (6) Sweep = auto couple.
- (7) Use peak search function to find out the maximum power density.
- (8) Duty cycle factor is added when duty cycle presented in section 3.7 is $< 98\%$.

9.4. 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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APPDNDIX A

TEST DATA AND PLOTS

(Model: 13U70P)

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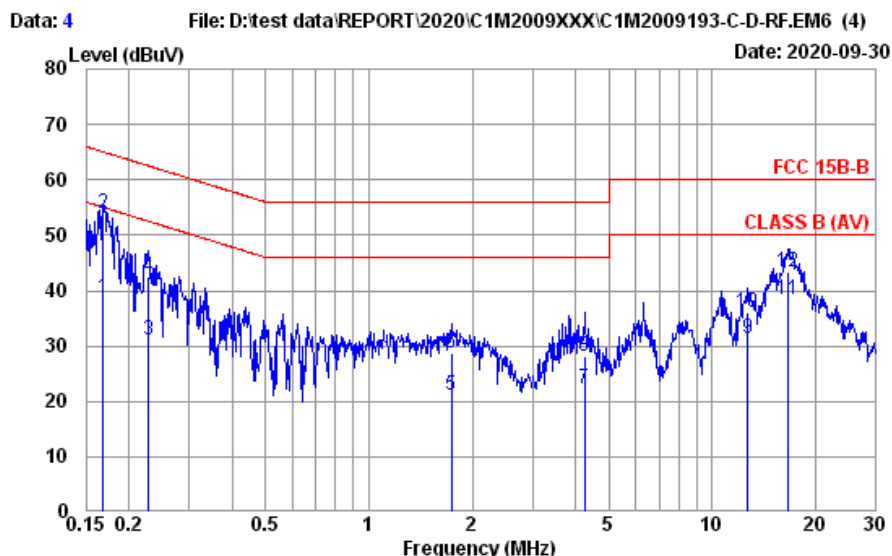
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A.1 CONDUCTED EMISSION

Test Date	2020/09/30	Temp./Hum.	25°C/62%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung
Test SKU	SKU #1 with AWAN Antenna		



Site No. : No.8 Shielded Room Data No. : 4
Instrument 1 : Receiver ESR(774)
Instrument 2 : ENIV432 (567)(A)|CE-08|ESH3-Z2 (354)
Limit : FCC 15B-B Phase : NEUTRAL
Environment : 25°C / 62% Engineer : Roy Hung
EUT Model : 13U70P(AWAN) Test Rating : 120Vac/60Hz
Test Mode : Operating

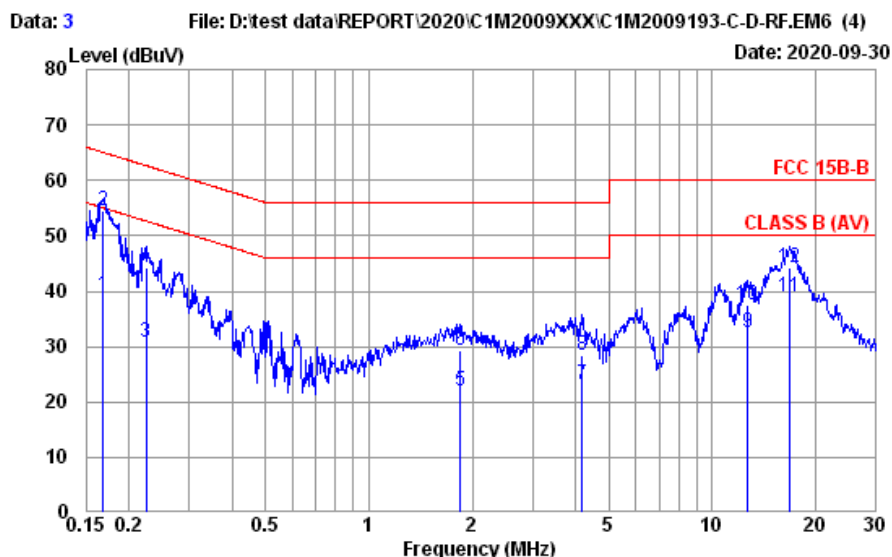
	Freq. (MHz)	AMM Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.168	10.20	0.04	9.85	18.51	38.60	55.07	16.47	Average
2	0.168	10.20	0.04	9.85	33.88	53.97	65.07	11.10	QP
3	0.228	10.20	0.04	9.85	11.00	31.09	52.52	21.43	Average
4	0.228	10.20	0.04	9.85	22.44	42.53	62.52	19.99	QP
5	1.744	10.30	0.07	9.86	0.94	21.17	46.00	24.83	Average
6	1.744	10.30	0.07	9.86	8.57	28.80	56.00	27.20	QP
7	4.247	10.30	0.09	9.88	1.95	22.22	46.00	23.78	Average
8	4.247	10.30	0.09	9.88	7.98	28.25	56.00	27.75	QP
9	12.716	10.62	0.15	9.93	10.80	31.50	50.00	18.50	Average
10	12.716	10.62	0.15	9.93	15.32	36.02	60.00	23.98	QP
11	16.573	10.77	0.17	9.95	17.53	38.42	50.00	11.58	Average
12	16.573	10.77	0.17	9.95	22.55	43.44	60.00	16.56	QP

Remarks: 1. Emission Level= AMM Factor + Cable Loss + Pulse Att. + Reading.

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Test Date	2020/09/30	Temp./Hum.	25°C/62%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung
Test SKU	SKU #1 with AWAN Antenna		



Site No. : No.8 Shielded Room Data No. : 3
Instrument 1 : Receiver ESR(774)
Instrument 2 : ENH432 (567)(A)|CE-08|ESH3-Z2 (354)
Limit : FCC 15B-B Phase : LINE
Environment : 25°C / 62% Engineer : Roy Hung
EUT Model : 13U70P(AWAN) Test Rating : 120Vac/60Hz
Test Mode : Operating

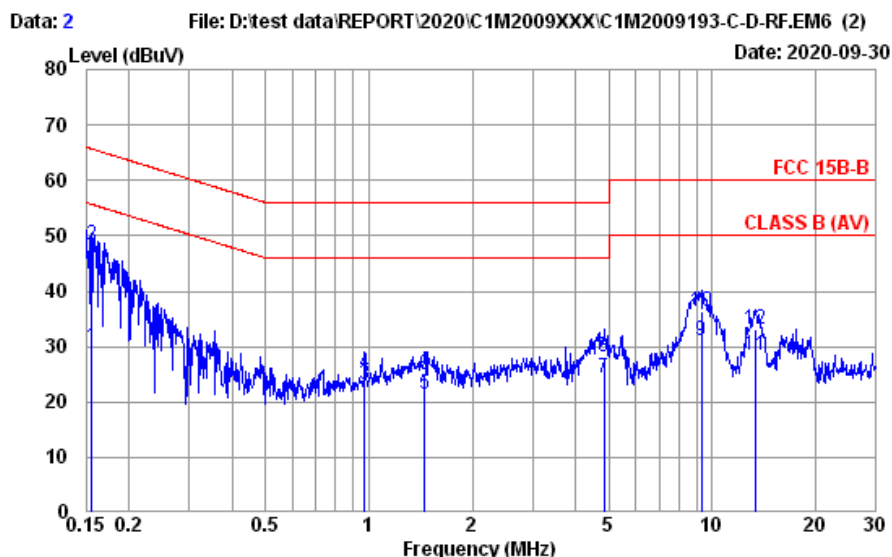
	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.169	10.20	0.04	9.85	19.09	39.18	55.03	15.85	Average
2	0.169	10.20	0.04	9.85	34.47	54.56	65.03	10.47	QP
3	0.224	10.20	0.04	9.85	10.55	30.64	52.66	22.02	Average
4	0.224	10.20	0.04	9.85	24.22	44.31	62.66	18.35	QP
5	1.848	10.30	0.07	9.86	1.87	22.10	46.00	23.90	Average
6	1.848	10.30	0.07	9.86	8.96	29.19	56.00	26.81	QP
7	4.180	10.30	0.09	9.88	2.88	23.15	46.00	22.85	Average
8	4.180	10.30	0.09	9.88	8.28	28.55	56.00	27.45	QP
9	12.716	10.46	0.15	9.93	11.85	32.39	50.00	17.61	Average
10	12.716	10.46	0.15	9.93	16.90	37.44	60.00	22.56	QP
11	16.839	10.54	0.17	9.95	18.36	39.02	50.00	10.98	Average
12	16.839	10.54	0.17	9.95	23.59	44.25	60.00	15.75	QP

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.

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Test Date	2020/09/30	Temp./Hum.	25°C/62%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung
Test SKU	SKU #2 with Speed Antenna		



Site No. : No.8 Shielded Room Data No. : 2
Instrument 1 : Receiver ESR(774)
Instrument 2 : ENH432 (567)(A)|CE-08|ESH3-Z2 (354)
Limit : FCC 15B-B Phase : LINE
Environment : 25°C / 62% Engineer : Roy Hung
EUT Model : 13U70P Test Rating : 120Vac/60Hz
Test Mode : Operating

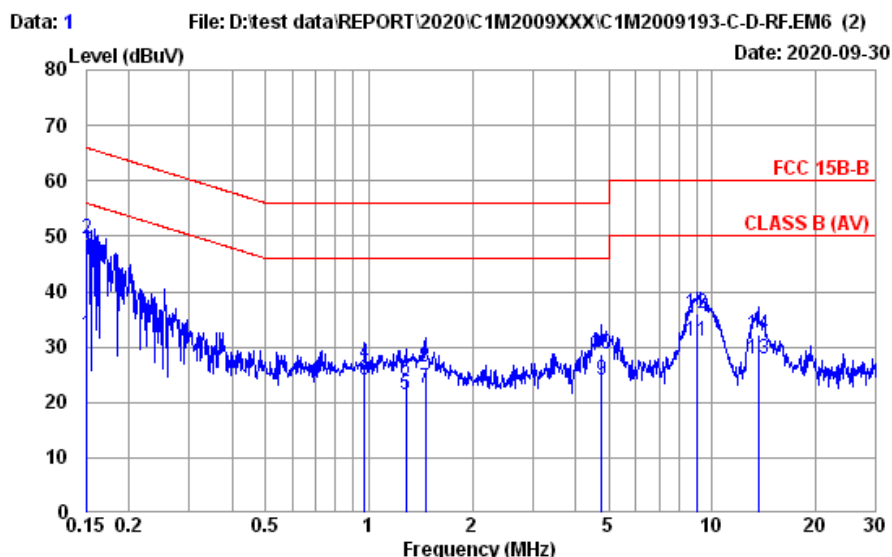
	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.156	10.20	0.04	9.85	9.84	29.93	55.69	25.76	Average
2	0.156	10.20	0.04	9.85	28.30	48.39	65.69	17.30	QP
3	0.974	10.20	0.05	9.86	2.94	23.05	46.00	22.95	Average
4	0.974	10.20	0.05	9.86	5.09	25.20	56.00	30.80	QP
5	1.456	10.30	0.06	9.86	1.03	21.25	46.00	24.75	Average
6	1.456	10.30	0.06	9.86	4.69	24.91	56.00	31.09	QP
7	4.848	10.30	0.10	9.88	3.94	24.22	46.00	21.78	Average
8	4.848	10.30	0.10	9.88	7.81	28.09	56.00	27.91	QP
9	9.302	10.38	0.14	9.91	10.74	31.17	50.00	18.83	Average
10	9.302	10.38	0.14	9.91	16.01	36.44	60.00	23.56	QP
11	13.337	10.47	0.15	9.93	7.98	28.53	50.00	21.47	Average
12	13.337	10.47	0.15	9.93	12.45	33.00	60.00	27.00	QP

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.

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Test Date	2020/09/30	Temp./Hum.	25°C/62%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung
Test SKU	SKU #2 with Speed Antenna		



Site No. : No.8 Shielded Room Data No. : 1
Instrument 1 : Receiver ESR(774)
Instrument 2 : EIV432 (567)(A)|CE-08|ESH3-Z2 (354)
Limit : FCC 15B-B Phase : NEUTRAL
Environment : 25°C / 62% Engineer : Roy Hung
EUT Model : 13U70P Test Rating : 120Vac/60Hz
Test Mode : Operating

	Freq. (MHz)	AMH Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.151	10.20	0.04	9.85	12.20	32.29	55.96	23.67	Average
2	0.151	10.20	0.04	9.85	29.33	49.42	65.96	16.54	QP
3	0.974	10.20	0.05	9.86	3.93	24.04	46.00	21.96	Average
4	0.974	10.20	0.05	9.86	6.84	26.95	56.00	29.05	QP
5	1.282	10.23	0.06	9.86	1.10	21.25	46.00	24.75	Average
6	1.282	10.23	0.06	9.86	3.87	24.02	56.00	31.98	QP
7	1.464	10.29	0.06	9.86	2.32	22.53	46.00	23.47	Average
8	1.464	10.29	0.06	9.86	6.04	26.25	56.00	29.75	QP
9	4.772	10.30	0.10	9.88	3.73	24.01	46.00	21.99	Average
10	4.772	10.30	0.10	9.88	8.32	28.60	56.00	27.40	QP
11	9.059	10.47	0.14	9.91	10.40	30.92	50.00	19.08	Average
12	9.059	10.47	0.14	9.91	15.62	36.14	60.00	23.86	QP
13	13.623	10.65	0.16	9.93	6.97	27.71	50.00	22.29	Average
14	13.623	10.65	0.16	9.93	11.61	32.35	60.00	27.65	QP

Remarks: 1. Emission Level= AMH Factor + Cable Loss + Pulse Att. + Reading.

A.2 RADIATED EMISSION

Test Date	2020/10/06	Temp./Hum.	22°C /56%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Brian Hsieh
Test SKU	SKU #2 with Speed Antenna		

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

Mode	802.11n-HT20	Band	NII-2C
		Frequency	TX 5550MHz

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
128.940	18.41	2.80	26.15	32.95	28.01	43.50	15.49	Peak
167.740	15.86	3.23	25.98	39.66	32.77	43.50	10.73	Peak
378.230	21.35	5.71	26.39	29.30	29.97	46.00	16.03	Peak
503.360	23.53	6.93	27.23	28.67	31.90	46.00	14.10	Peak
540.220	24.04	6.97	27.33	32.14	35.82	46.00	10.18	Peak
755.560	25.63	7.90	27.45	29.63	35.71	46.00	10.29	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
54.250	13.69	1.72	26.48	46.93	35.86	40.00	4.14	Peak
128.940	18.41	2.80	26.15	37.56	32.62	43.50	10.88	Peak
165.800	16.00	3.22	25.99	42.56	35.79	43.50	7.71	Peak
537.310	24.01	6.97	27.33	33.06	36.71	46.00	9.29	Peak
647.890	24.89	7.31	27.49	30.84	35.55	46.00	10.45	Peak
857.410	26.52	8.47	27.26	29.27	37.00	46.00	9.00	Peak

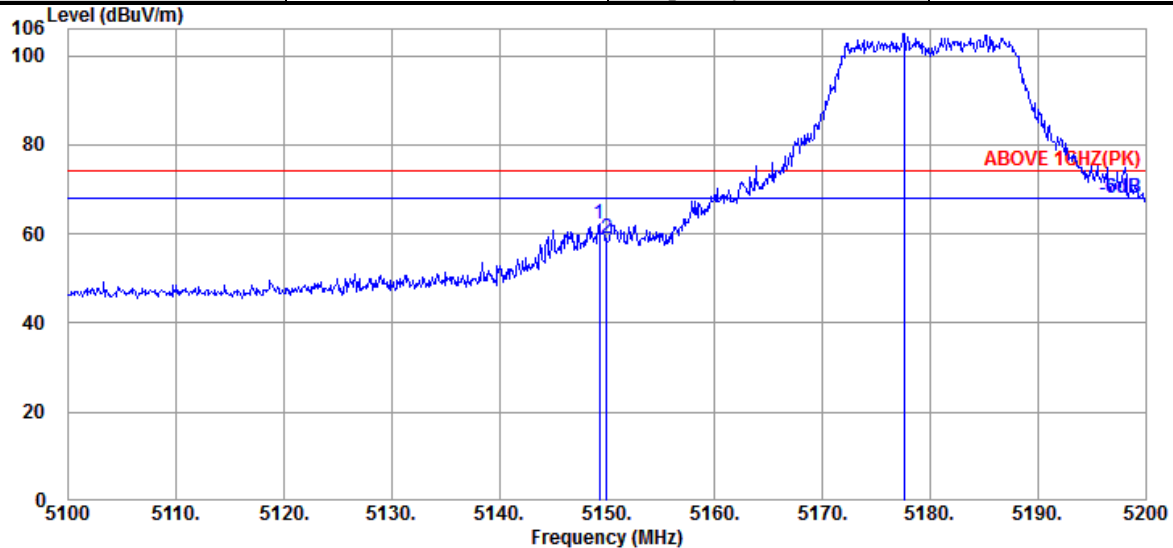
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A.2.1.3 Frequency Above 1 GHz to 10th harmonics

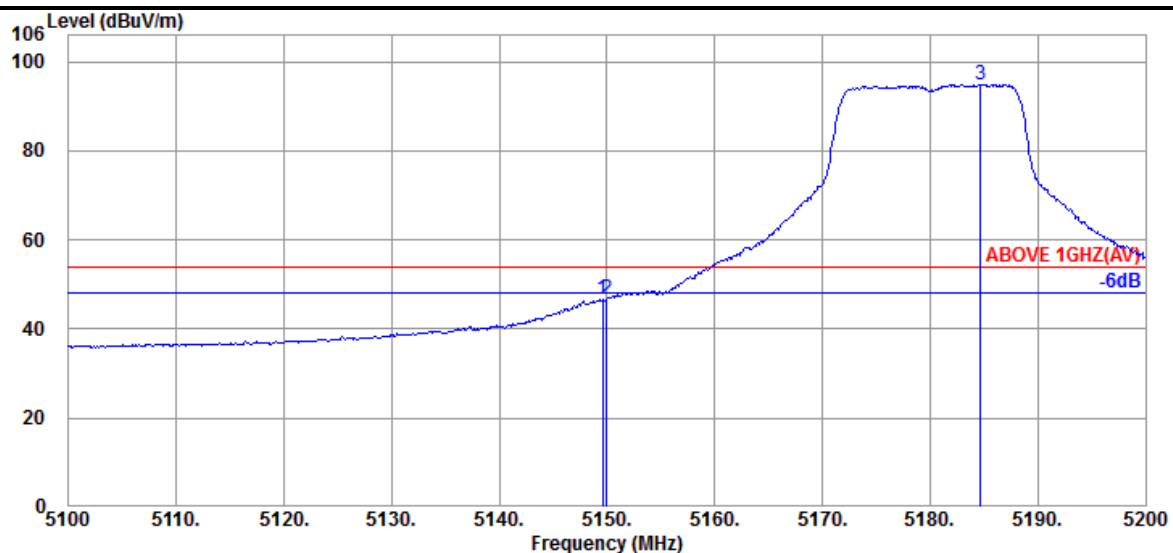
Band Edge:

Mode	802.11a	Band	NII-I
		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
5149.300	34.40	10.36	34.38	51.88	62.26	74.00	11.74	Peak
5150.000	34.40	10.36	34.38	48.53	58.91	74.00	15.09	Peak
@ 5177.600	34.47	10.38	34.37	94.42	104.90	---	---	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
5149.600	34.40	10.36	34.38	36.21	46.59	54.00	7.41	Average
5150.000	34.40	10.36	34.38	36.42	46.80	54.00	7.20	Average
@ 5184.700	34.47	10.38	34.37	84.32	94.80	---	---	Average

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

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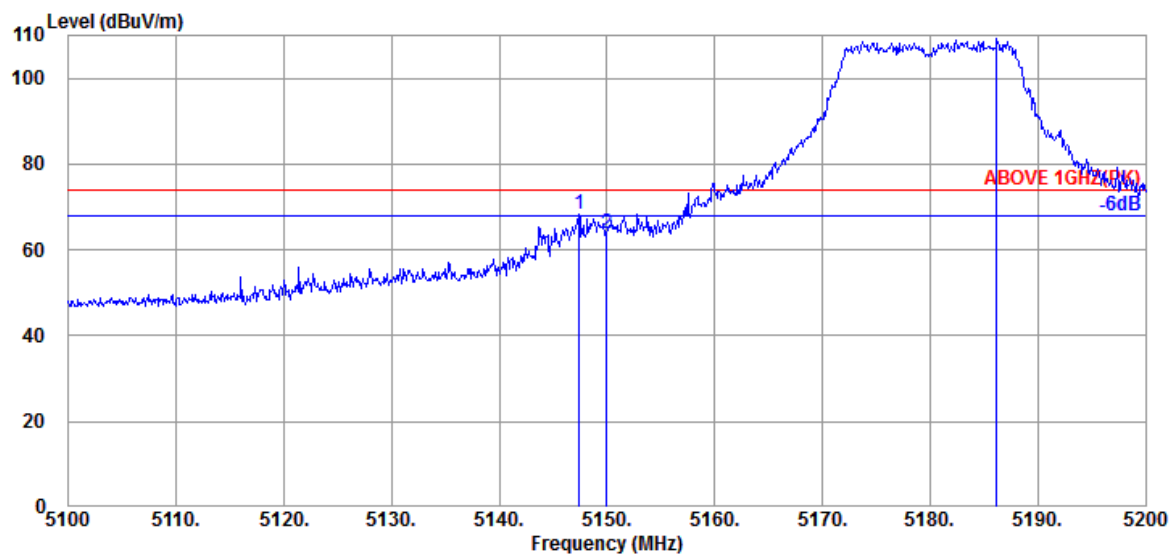
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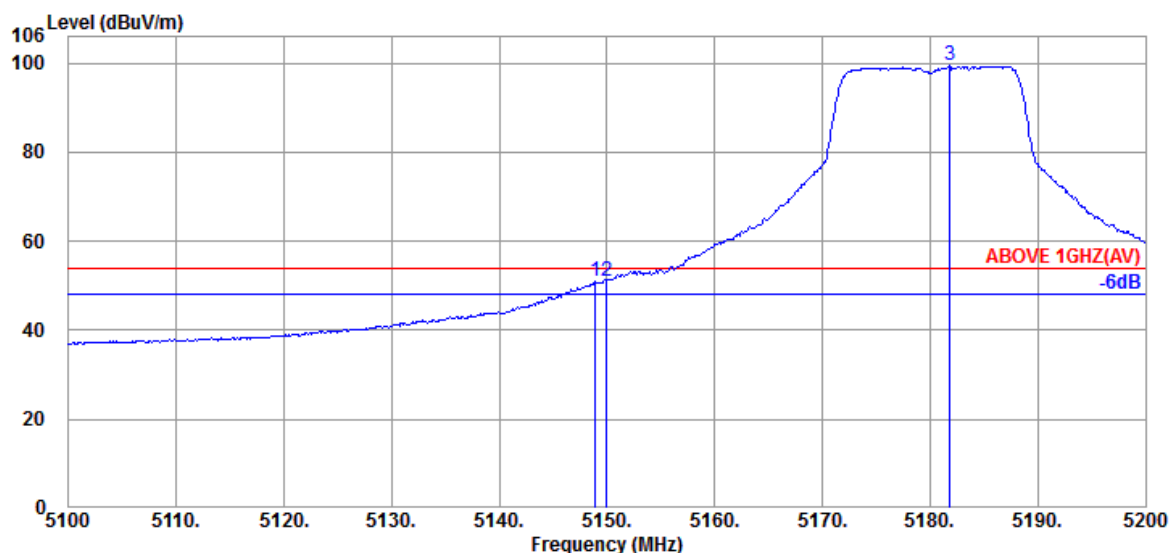
Fax: +886 2 26099303

Mode	802.11a	Band	NII-I
		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
5147.400	34.40	10.36	34.38	57.84	68.22	74.00	5.78	Peak
5150.000	34.40	10.36	34.38	53.44	63.82	74.00	10.18	Peak
@ 5186.200	34.47	10.38	34.37	98.65	109.13	---	---	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
5148.900	34.40	10.36	34.38	40.47	50.85	54.00	3.15	Average
5150.000	34.40	10.36	34.38	40.53	50.91	54.00	3.09	Average
@ 5181.800	34.47	10.38	34.37	88.84	99.32	---	---	Average

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

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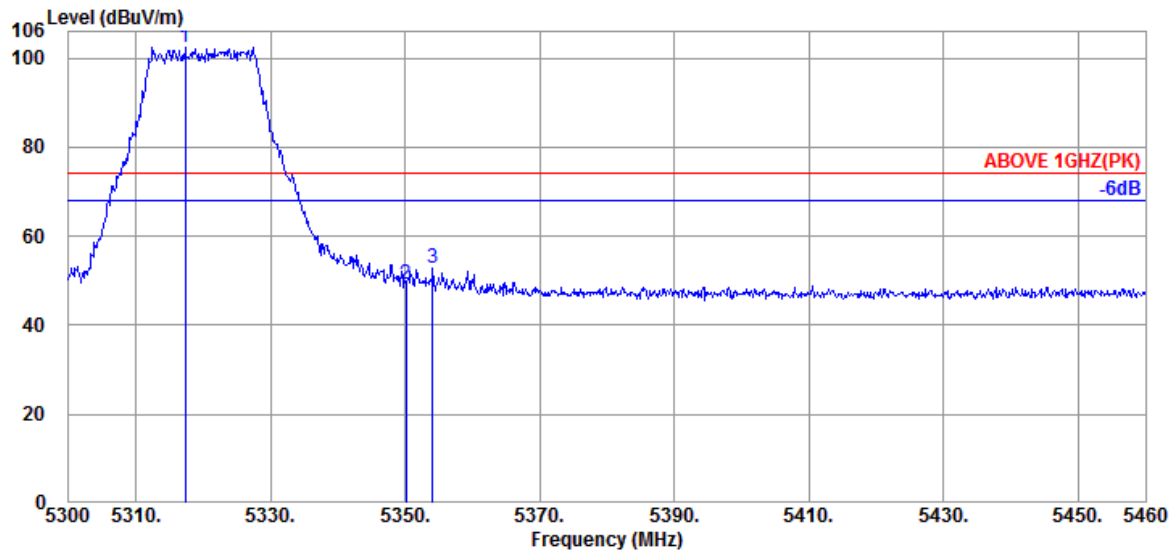
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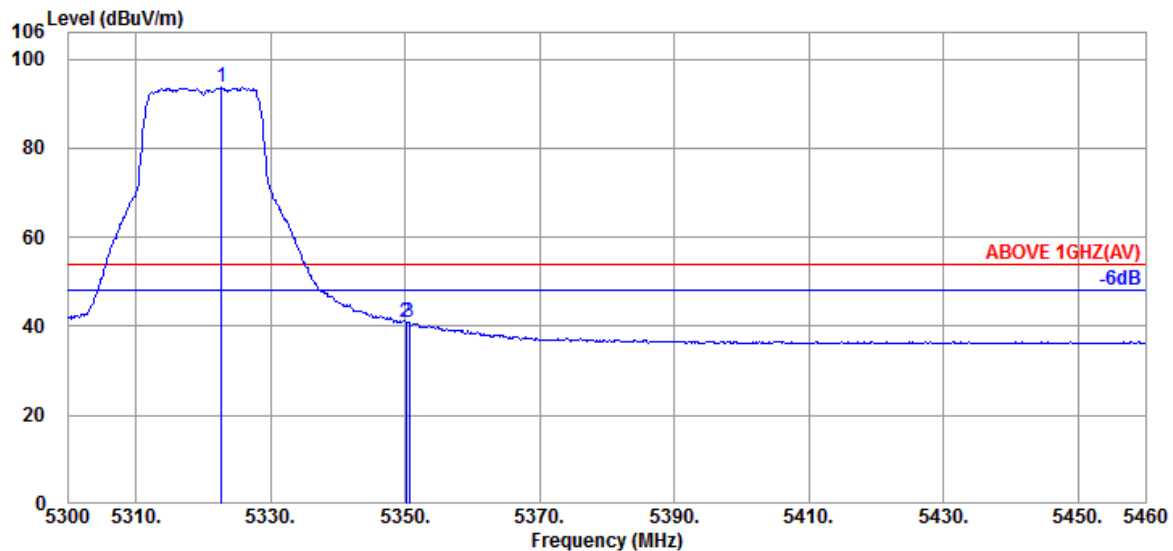
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Mode	802.11a	Band	NII-2A
		Frequency	TX 5320MHz



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
@ 5317.280	34.60	10.46	34.33	91.71	102.44	---	---	Peak
5350.080	34.60	10.48	34.31	38.43	49.20	74.00	24.80	Peak
5354.080	34.60	10.48	34.31	42.16	52.93	74.00	21.07	Peak



Antenna at Horizontal Polarization

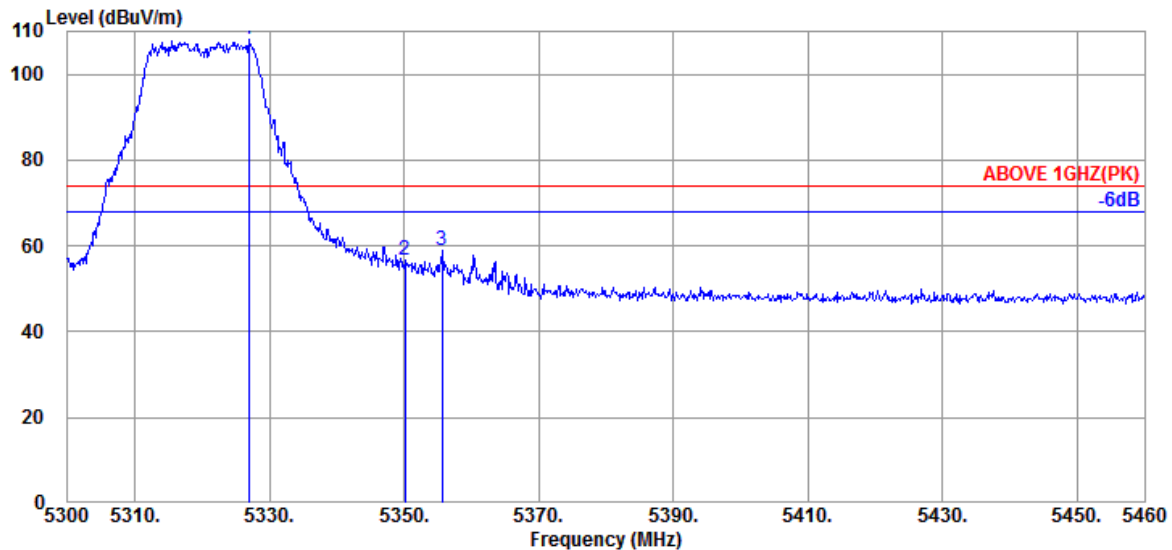
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@ 5322.720	34.60	10.46	34.33	82.97	93.70	---	---	Average
5350.080	34.60	10.48	34.31	30.19	40.96	54.00	13.04	Average
5350.560	34.60	10.48	34.31	30.15	40.92	54.00	13.08	Average

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

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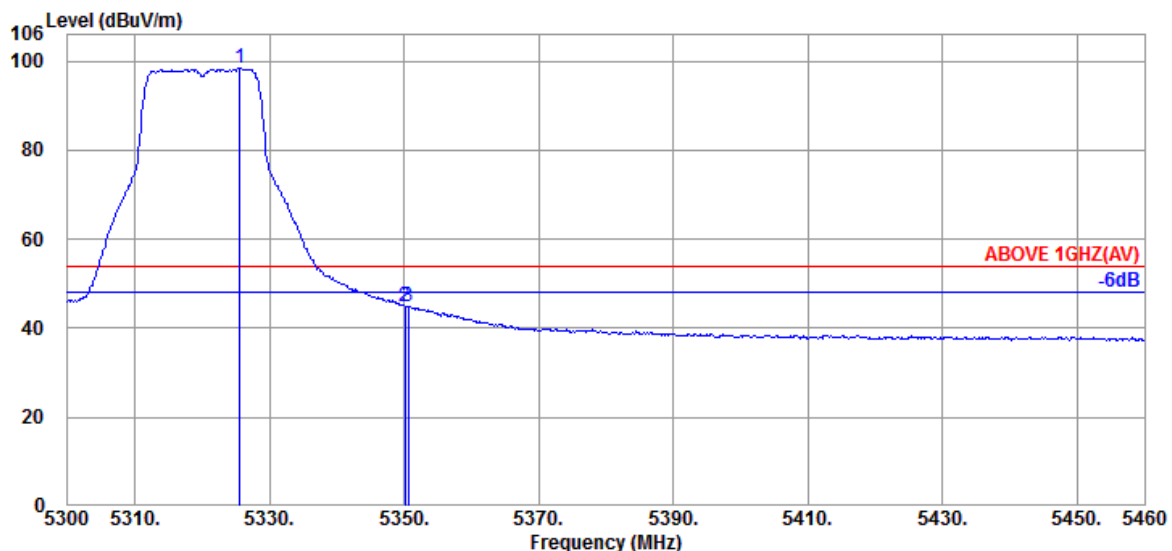
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Mode	802.11a	Band	NII-2A
		Frequency	TX 5320MHz



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
@ 5326.880	34.60	10.47	34.33	97.33	108.07	---	---	Peak
5350.080	34.60	10.48	34.31	45.89	56.66	74.00	17.34	Peak
5355.680	34.60	10.48	34.31	48.08	58.85	74.00	15.15	Peak



Antenna at Vertical Polarization

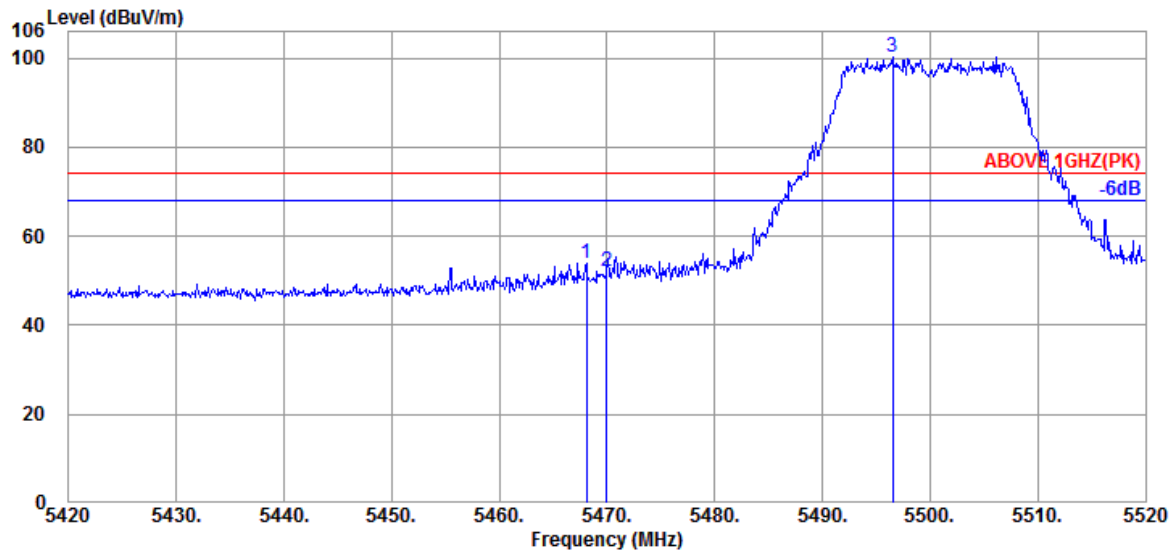
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@ 5325.600	34.60	10.46	34.33	87.75	98.48	---	---	Average
5350.080	34.60	10.48	34.31	34.18	44.95	54.00	9.05	Average
5350.560	34.60	10.48	34.31	34.21	44.98	54.00	9.02	Average

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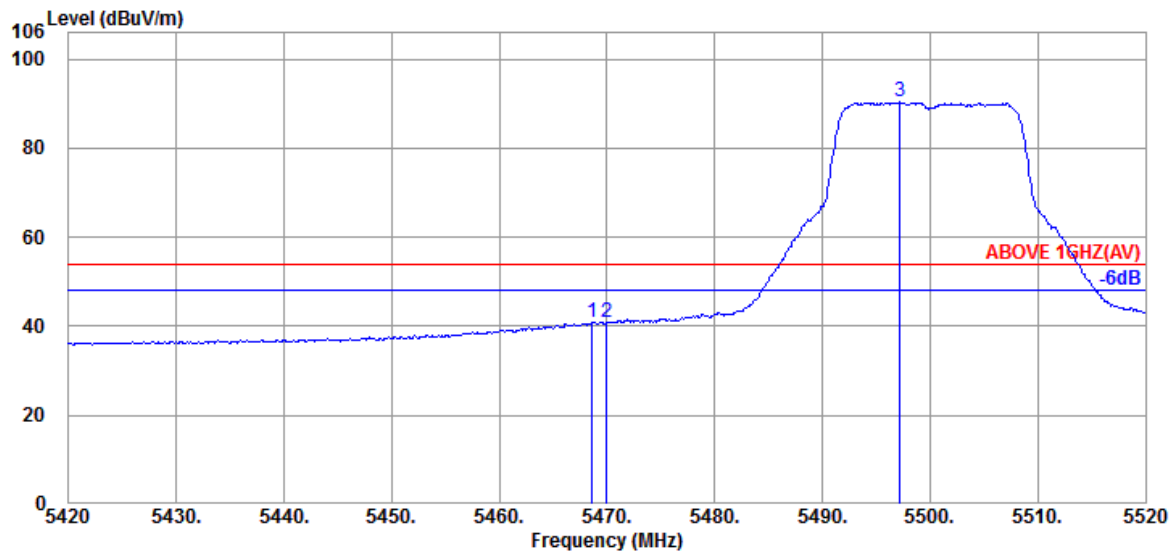
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Mode	802.11a	Band	NII-2C
		Frequency	TX 5500MHz



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
5468.100	34.67	10.54	34.28	43.14	54.07	74.00	19.93	Peak
5470.000	34.67	10.54	34.28	41.20	52.13	74.00	21.87	Peak
@ 5496.500	34.60	10.55	34.27	89.29	100.17	---	---	Peak



Antenna at Horizontal Polarization

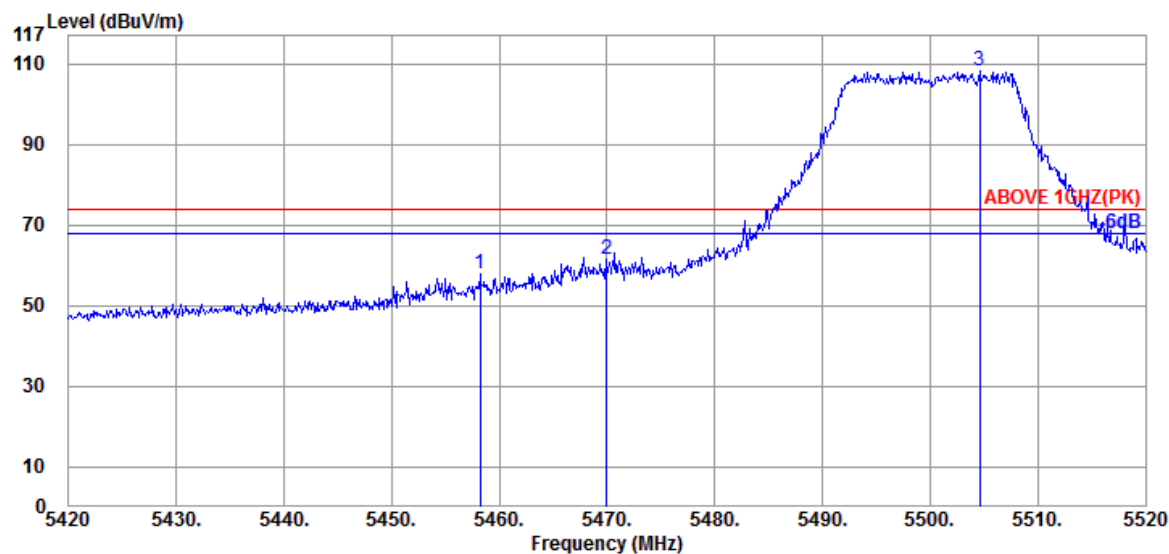
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5468.600	34.67	10.54	34.28	29.96	40.89	54.00	13.11	Average
5470.000	34.67	10.54	34.28	29.78	40.71	54.00	13.29	Average
@ 5497.200	34.60	10.56	34.27	79.64	90.53	---	---	Average

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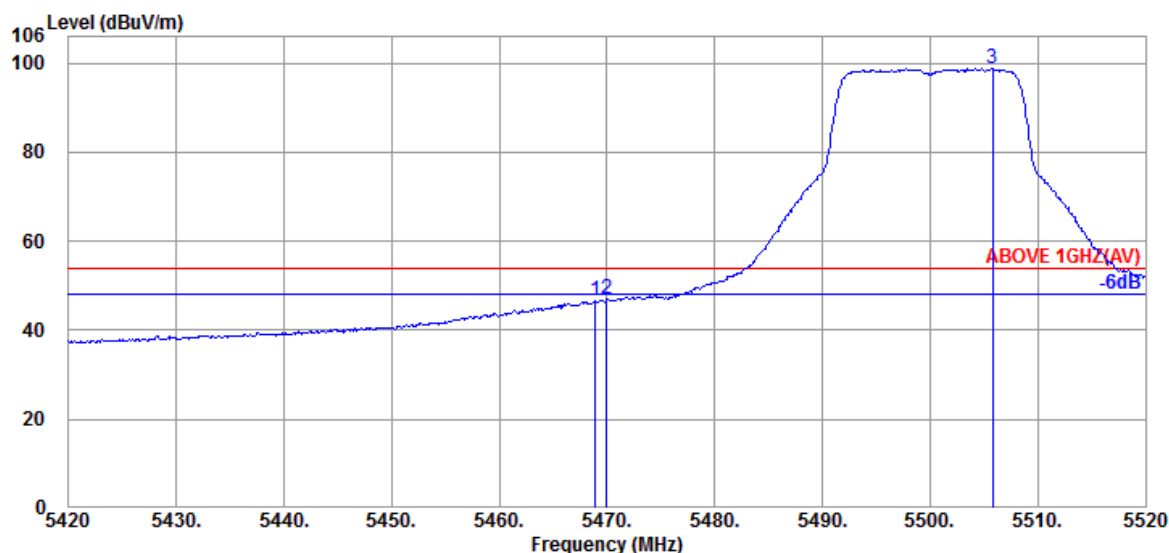
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Mode	802.11a	Band	NII-2C
		Frequency	TX 5500MHz



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
5458.200	34.70	10.53	34.28	46.77	57.72	74.00	16.28	Peak
5470.000	34.67	10.54	34.28	50.76	61.69	74.00	12.31	Peak
@ 5504.600	34.60	10.56	34.27	97.38	108.27	---	---	Peak



Antenna at Vertical Polarization

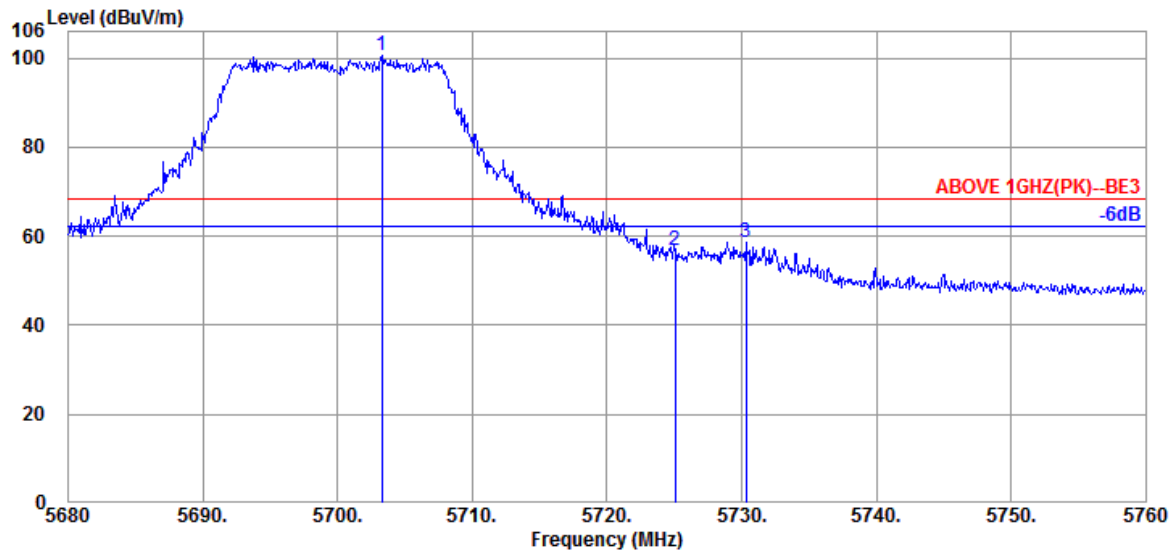
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5468.900	34.67	10.54	34.28	35.57	46.50	54.00	7.50	Average
5470.000	34.67	10.54	34.28	35.95	46.88	54.00	7.12	Average
@ 5505.800	34.60	10.56	34.28	87.93	98.81	---	---	Average

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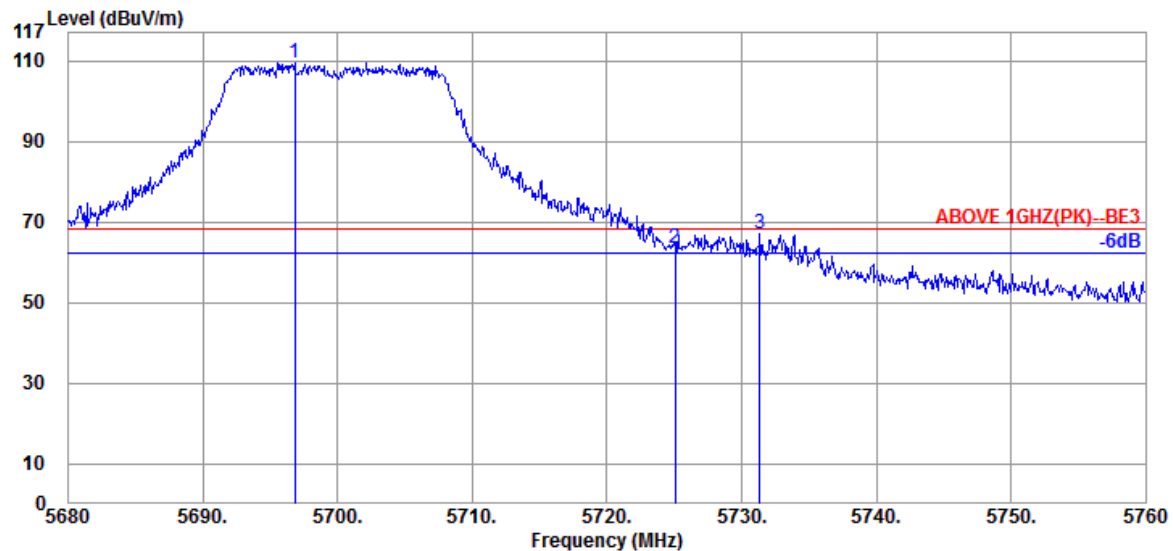
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Mode	802.11a	Band	NII-2C
		Frequency	TX 5700MHz



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
@ 5703.280	34.80	10.82	34.36	89.34	100.60	---	---	Peak
5725.040	34.80	10.84	34.37	45.65	56.92	68.20	11.28	Peak
5730.320	34.80	10.84	34.38	47.29	58.55	68.20	9.65	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
@ 5696.800	34.80	10.80	34.36	98.15	109.39	---	---	Peak
5725.040	34.80	10.84	34.37	52.18	63.45	68.20	4.75	Peak
5731.360	34.80	10.84	34.38	55.83	67.09	68.20	1.11	Peak

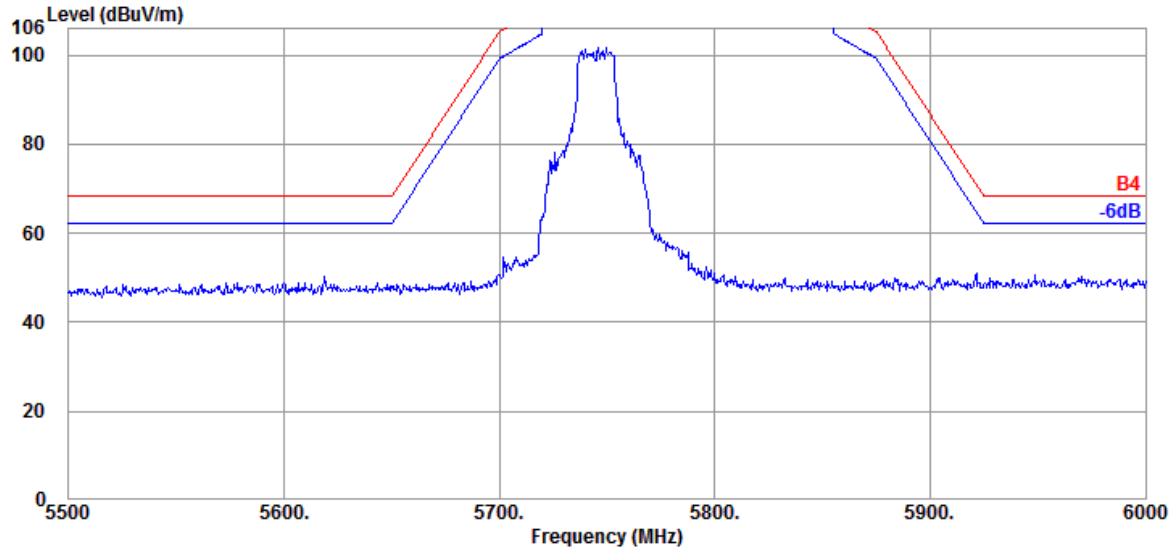
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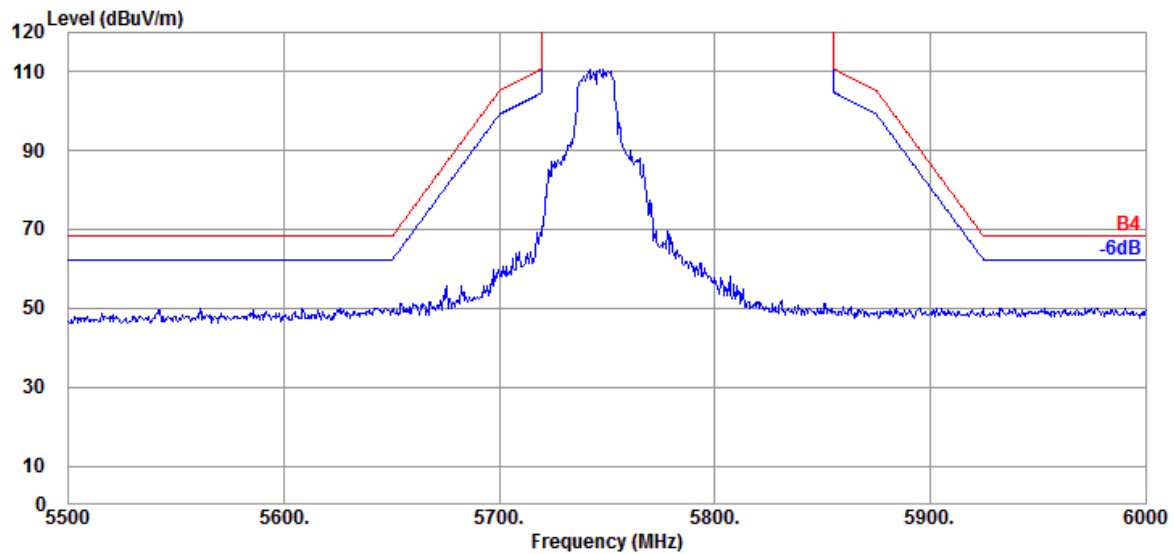
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Mode	802.11a	Band	NII-III
		Frequency	TX 5745MHz

Antenna at Horizontal Polarization



Antenna at Vertical Polarization

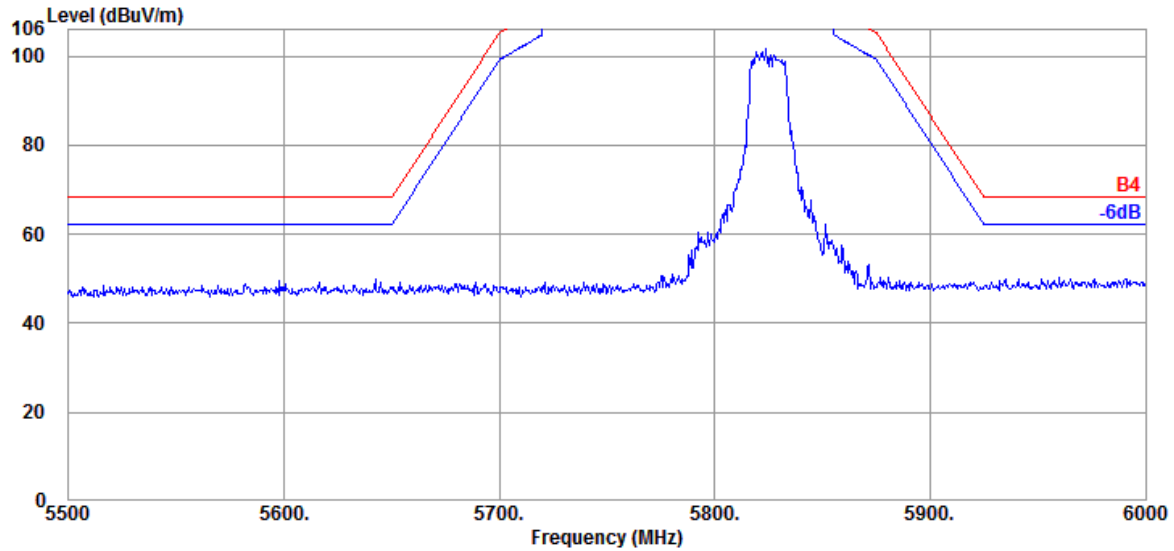


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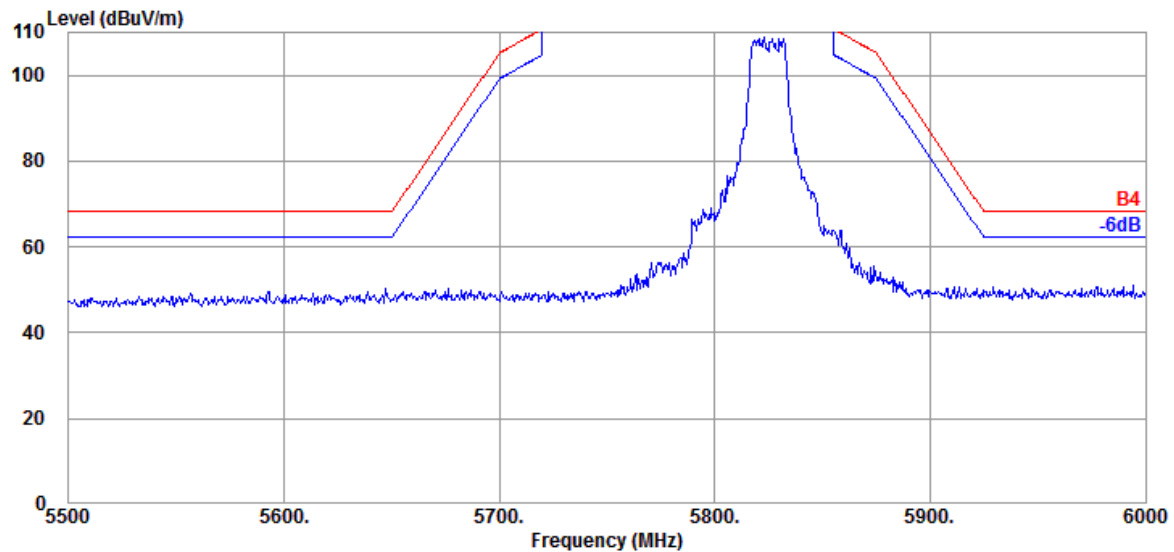
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Mode	802.11a	Band	NII-III
		Frequency	TX 5825MHz

Antenna at Horizontal Polarization



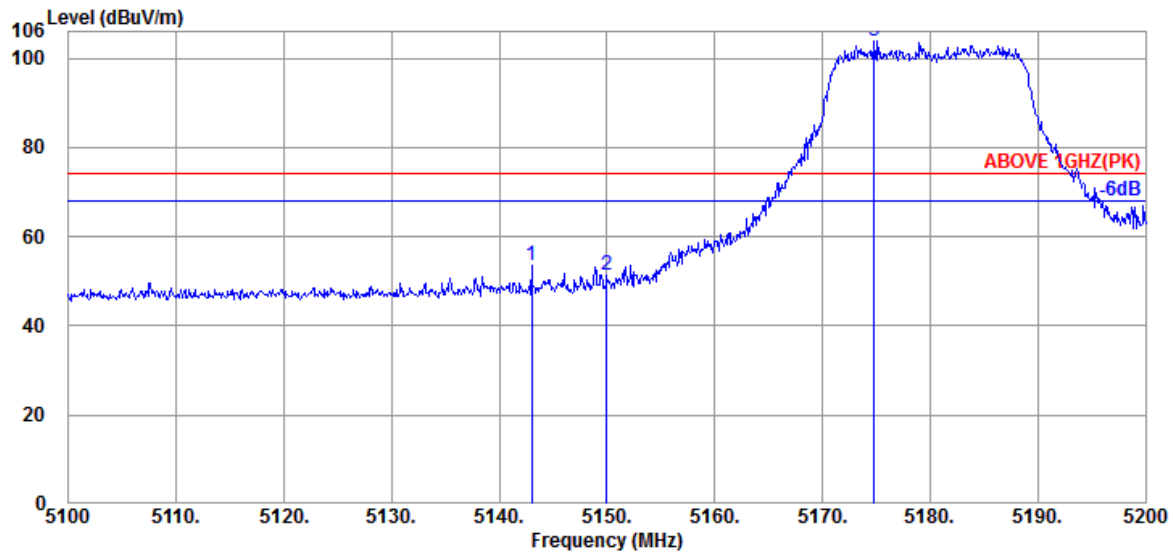
Antenna at Vertical Polarization



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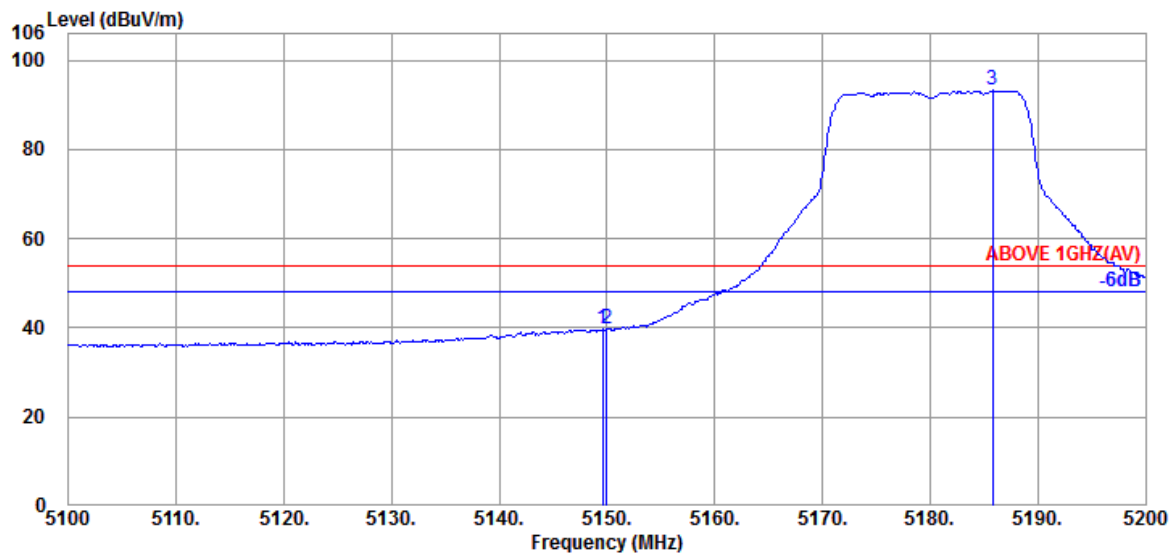
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Mode	802.11n-HT20	Band	NII-I
		Frequency	TX 5180MHz



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
5143.000	34.40	10.36	34.38	43.14	53.52	74.00	20.48	Peak
5150.000	34.40	10.36	34.38	41.05	51.43	74.00	22.57	Peak
@ 5174.800	34.47	10.38	34.37	93.20	103.68	---	---	Peak



Antenna at Horizontal Polarization

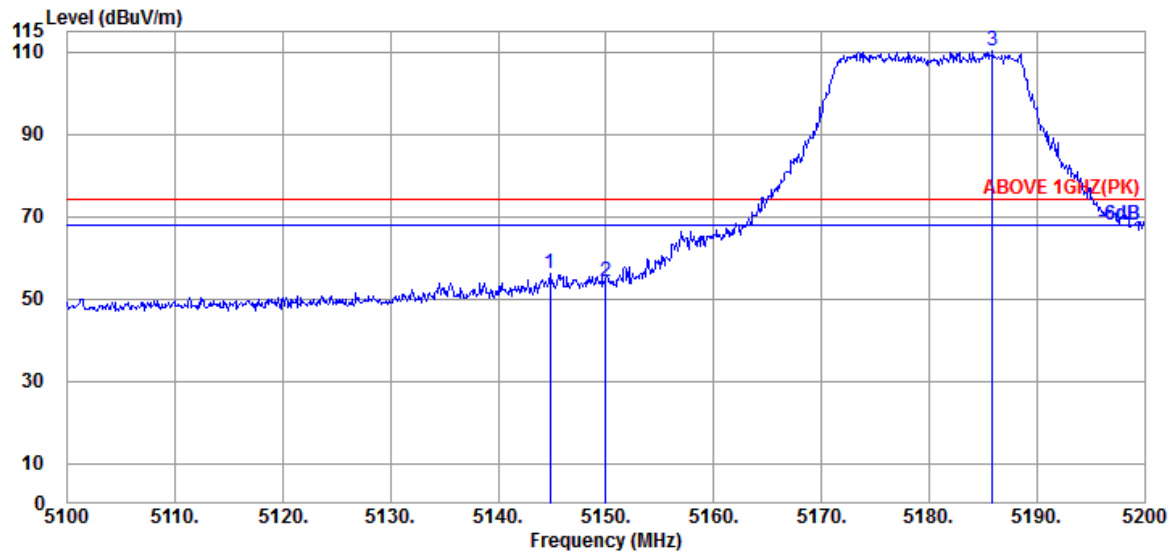
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5149.600	34.40	10.36	34.38	29.24	39.62	54.00	14.38	Average
5150.000	34.40	10.36	34.38	29.31	39.69	54.00	14.31	Average
@ 5185.800	34.47	10.38	34.37	82.68	93.16	---	---	Average

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

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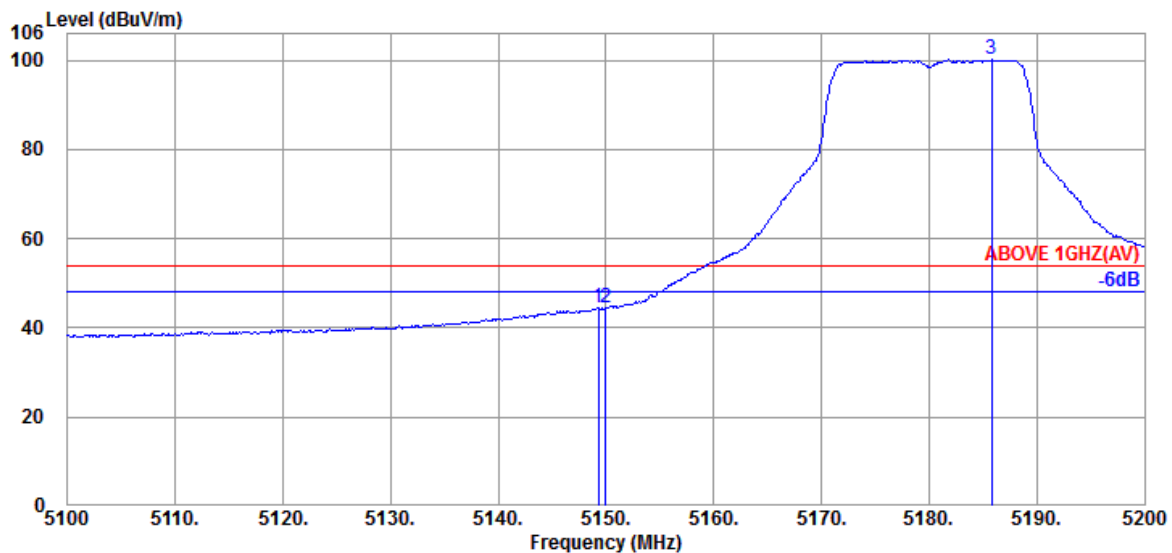
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Mode	802.11n-HT20	Band	NII-I
		Frequency	TX 5180MHz



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
5144.800	34.40	10.36	34.38	45.61	55.99	74.00	18.01	Peak
5150.000	34.40	10.36	34.38	43.82	54.20	74.00	19.80	Peak
@ 5185.900	34.47	10.38	34.37	99.63	110.11	---	---	Peak



Antenna at Vertical Polarization

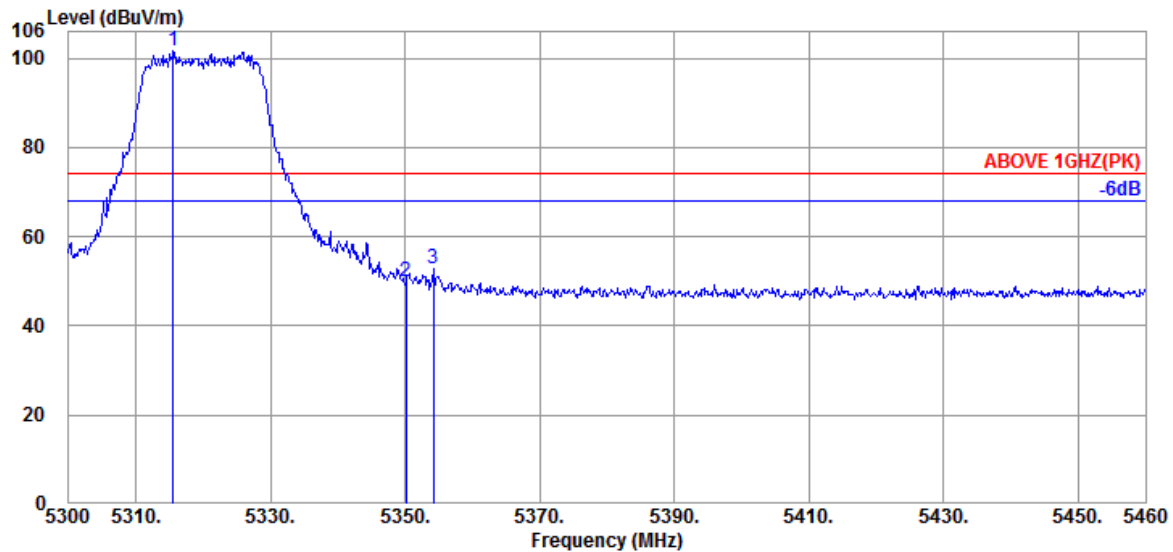
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5149.300	34.40	10.36	34.38	34.18	44.56	54.00	9.44	Average
5150.000	34.40	10.36	34.38	34.03	44.41	54.00	9.59	Average
@ 5185.800	34.47	10.38	34.37	89.65	100.13	---	---	Average

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

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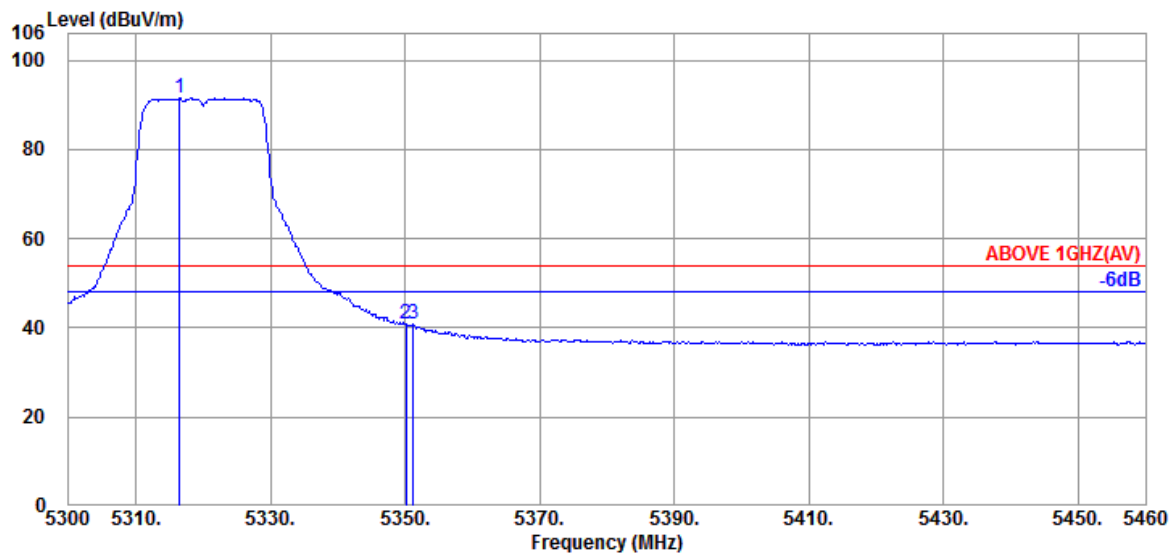
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Mode	802.11n-HT20	Band	NII-2A
		Frequency	TX 5320MHz



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
@ 5315.520	34.60	10.46	34.33	90.87	101.60	---	---	Peak
5350.080	34.60	10.48	34.31	39.19	49.96	74.00	24.04	Peak
5354.240	34.60	10.48	34.31	42.21	52.98	74.00	21.02	Peak



Antenna at Horizontal Polarization

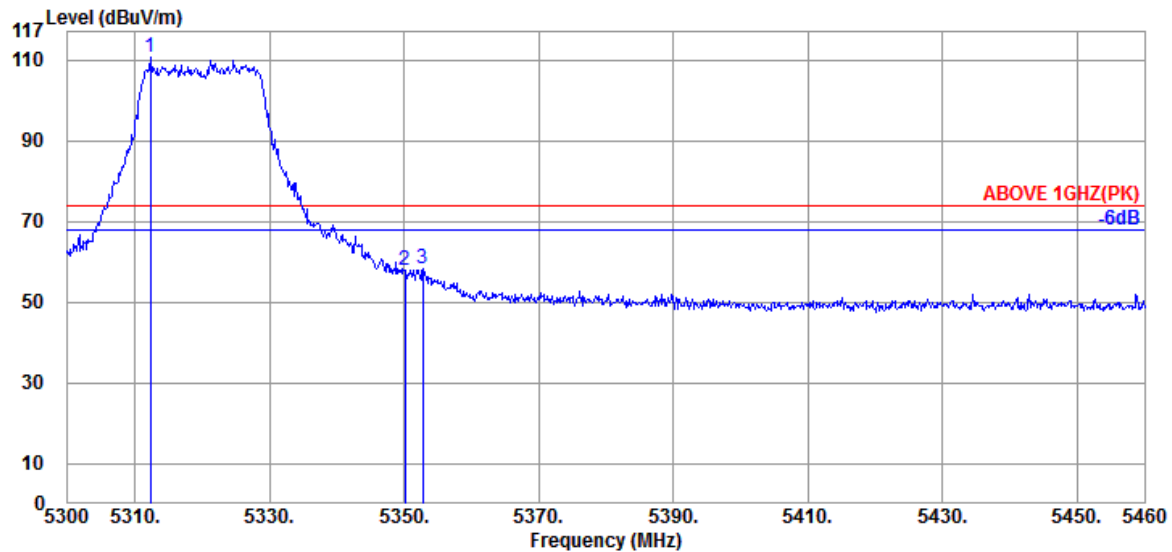
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5316.480	34.60	10.46	34.33	80.81	91.54	---	---	Average
5350.080	34.60	10.48	34.31	29.93	40.70	54.00	13.30	Average
5351.200	34.60	10.48	34.31	30.06	40.83	54.00	13.17	Average

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

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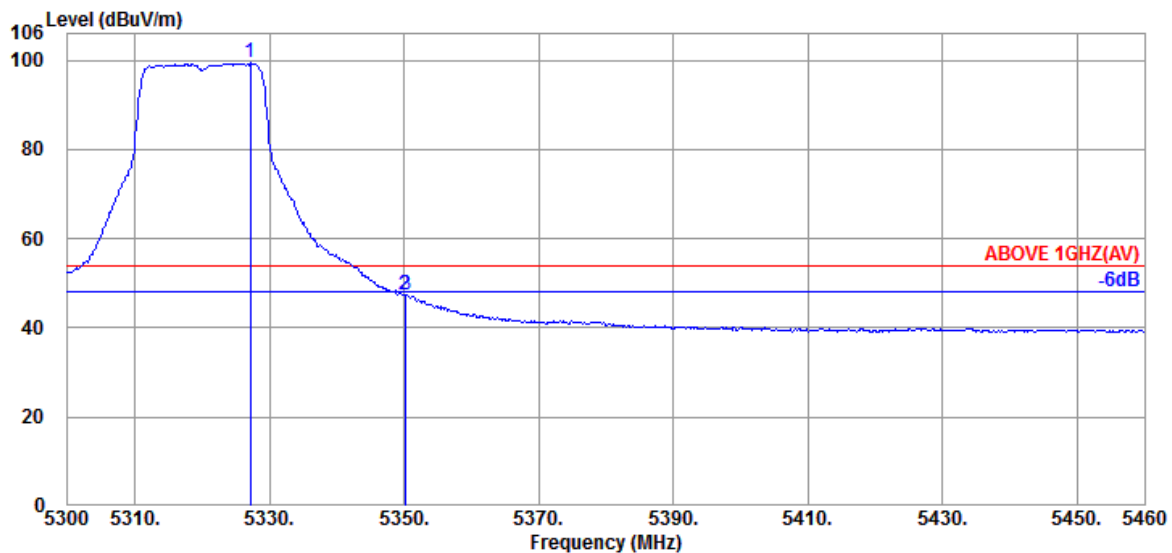
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Mode	802.11n-HT20	Band	NII-2A
		Frequency	TX 5320MHz



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
@ 5312.320	34.60	10.46	34.33	100.01	110.74	---	---	Peak
5350.080	34.60	10.48	34.31	47.20	57.97	74.00	16.03	Peak
5352.800	34.60	10.48	34.31	47.60	58.37	74.00	15.63	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
@ 5327.200	34.60	10.47	34.33	88.62	99.36	---	---	Average
5350.080	34.60	10.48	34.31	36.53	47.30	54.00	6.70	Average
5350.240	34.60	10.48	34.31	36.46	47.23	54.00	6.77	Average

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

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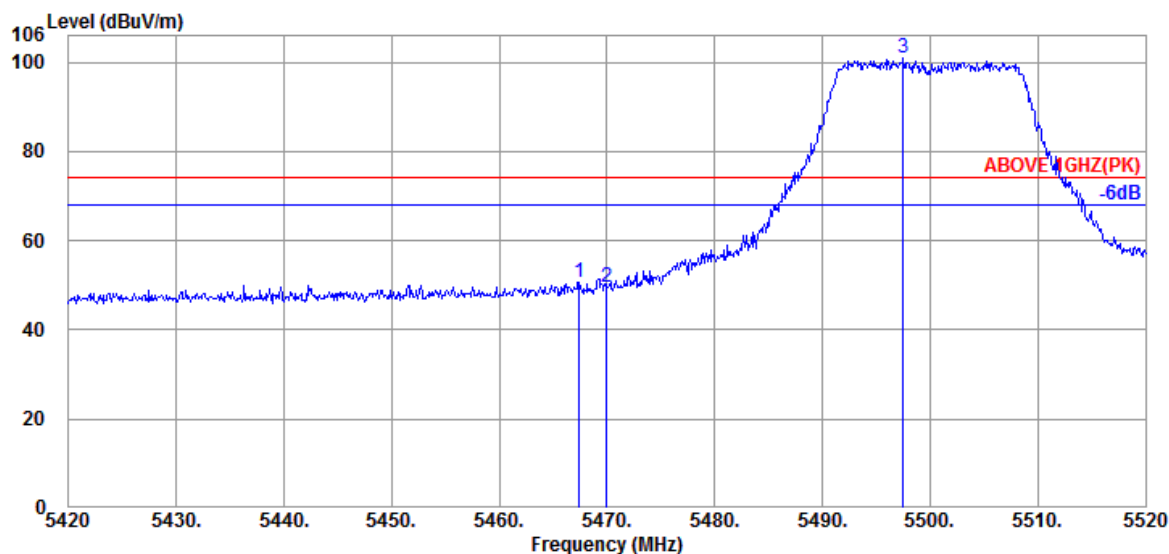
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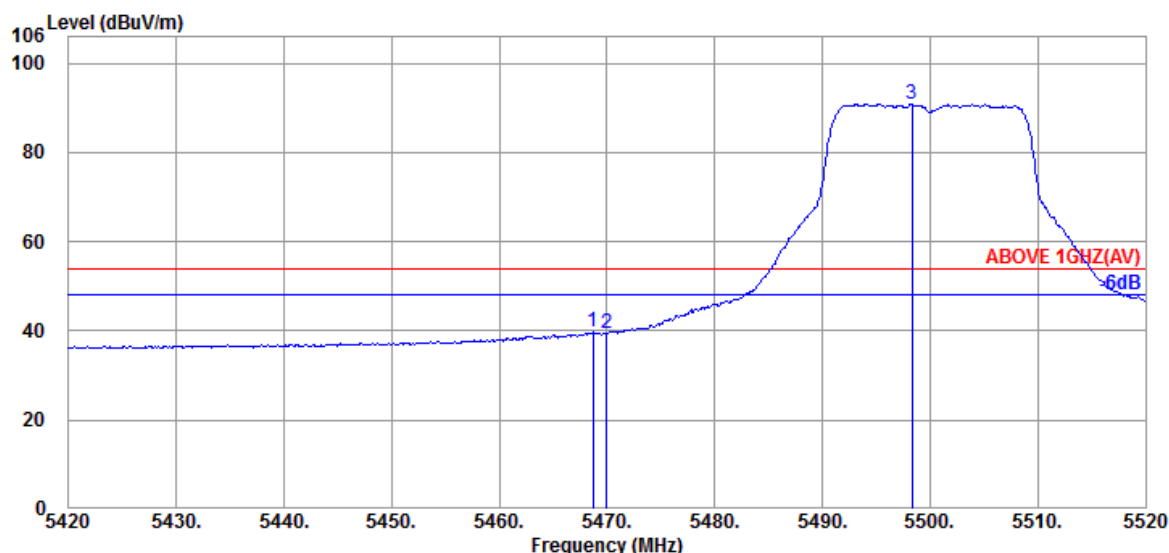
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Mode	802.11n-HT20	Band	NII-2C
		Frequency	TX 5500MHz



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
5467.400	34.67	10.54	34.28	39.70	50.63	74.00	23.37	Peak
5470.000	34.67	10.54	34.28	38.76	49.69	74.00	24.31	Peak
@ 5497.500	34.60	10.56	34.27	89.88	100.77	---	---	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
5468.700	34.67	10.54	34.28	28.70	39.63	54.00	14.37	Average
5470.000	34.67	10.54	34.28	28.64	39.57	54.00	14.43	Average
@ 5498.300	34.60	10.56	34.27	79.93	90.82	---	---	Average

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

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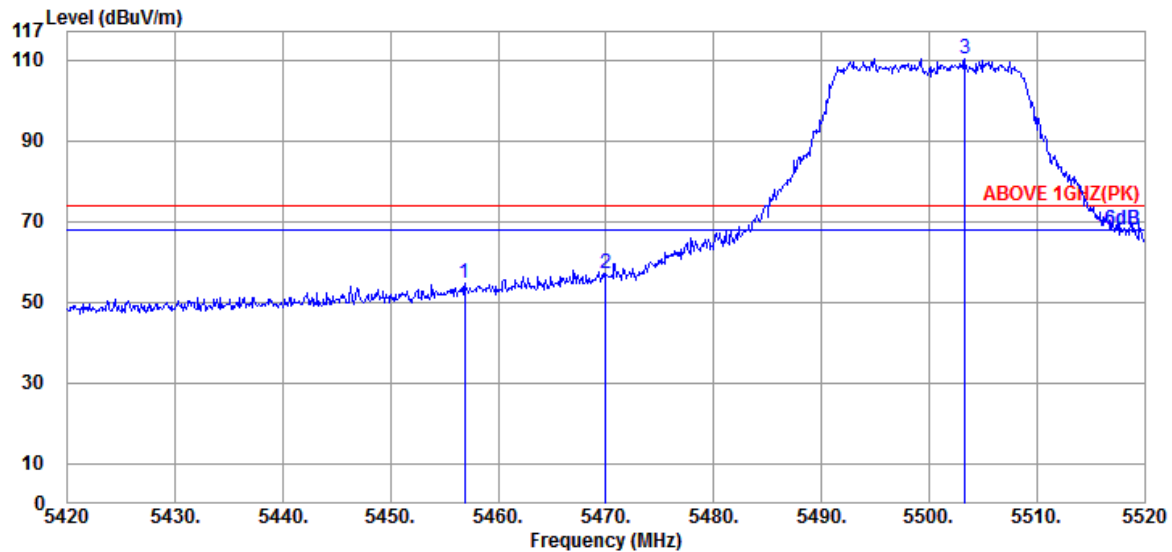
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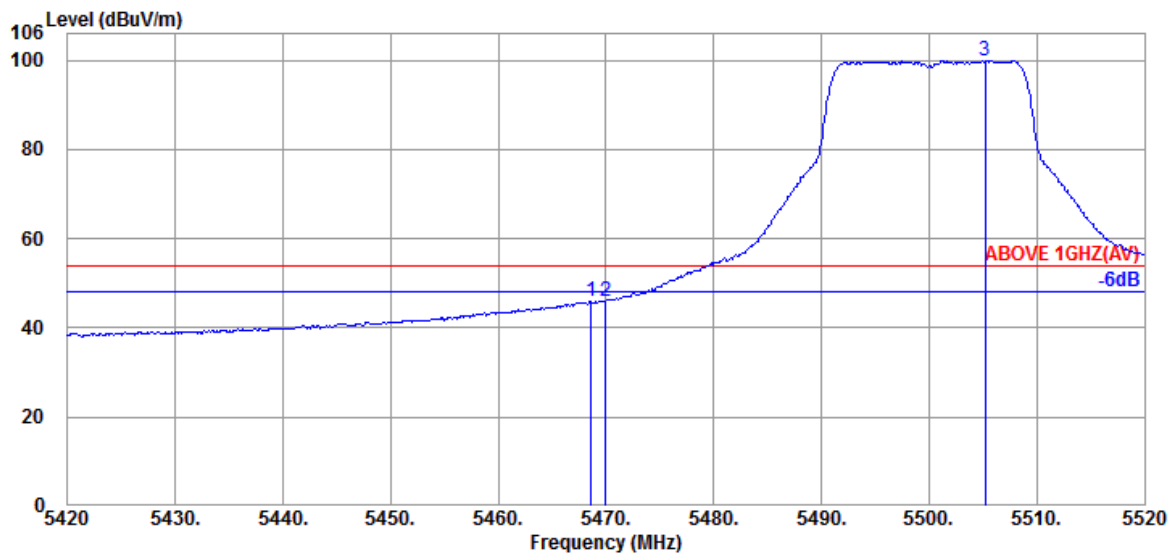
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Mode	802.11n-HT20	Band	NII-2C
		Frequency	TX 5500MHz



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
5456.900	34.70	10.53	34.28	43.86	54.81	74.00	19.19	Peak
5470.000	34.67	10.54	34.28	46.00	56.93	74.00	17.07	Peak
@ 5503.300	34.60	10.56	34.27	99.22	110.11	---	---	Peak



Antenna at Vertical Polarization

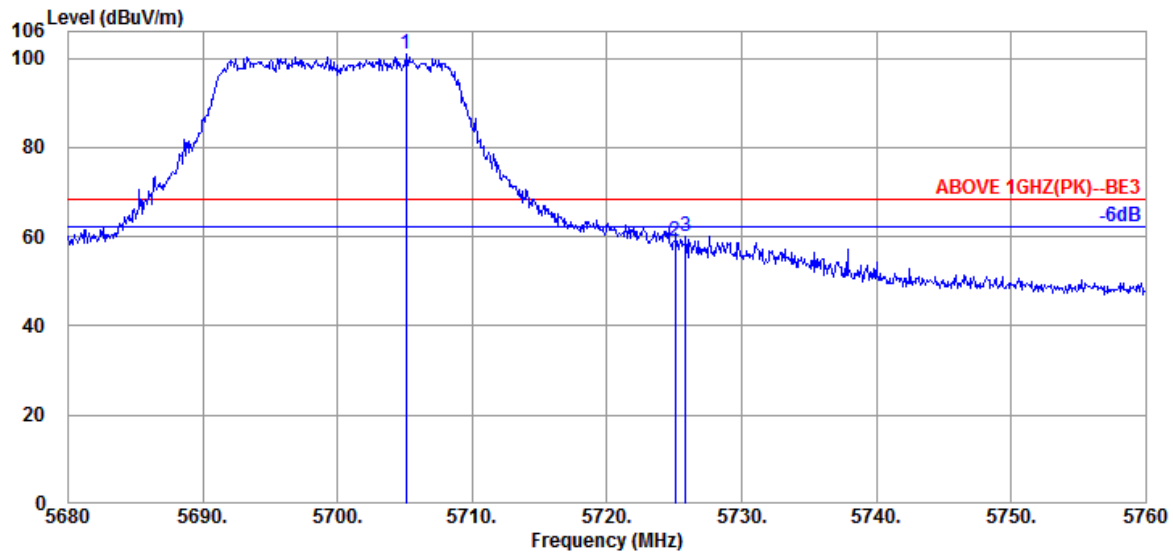
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5468.600	34.67	10.54	34.28	35.03	45.96	54.00	8.04	Average
5470.000	34.67	10.54	34.28	35.16	46.09	54.00	7.91	Average
@ 5505.200	34.60	10.56	34.27	89.03	99.92	---	---	Average

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

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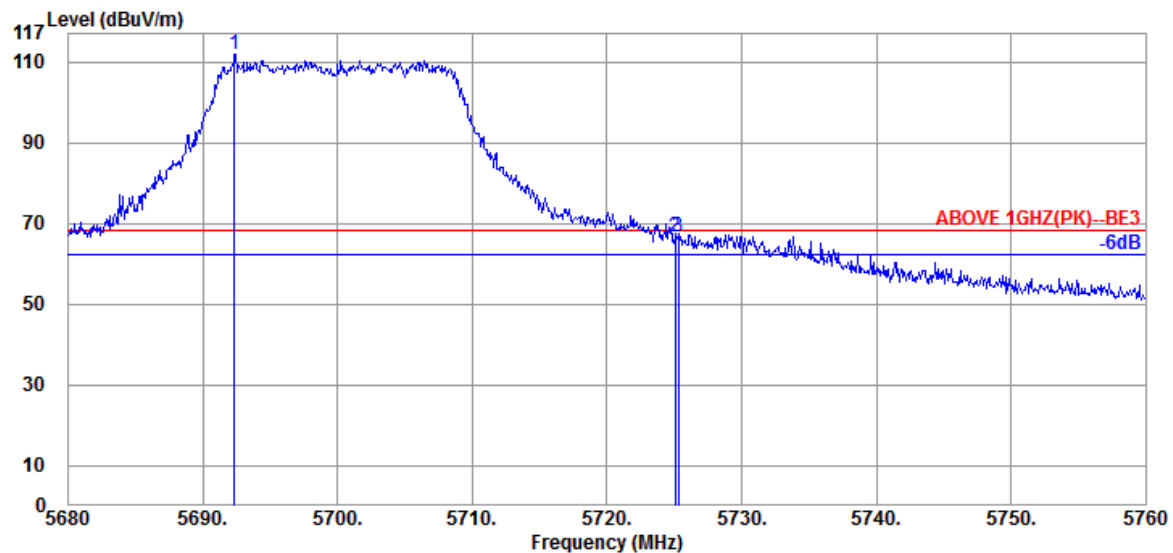
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Mode	802.11n-HT20	Band	NII-2C
		Frequency	TX 5700MHz



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
@ 5705.040	34.80	10.82	34.36	89.69	100.95	---	---	Peak
5725.040	34.80	10.84	34.37	47.88	59.15	68.20	9.05	Peak
5725.840	34.80	10.84	34.37	48.70	59.97	68.20	8.23	Peak



Antenna at Vertical Polarization

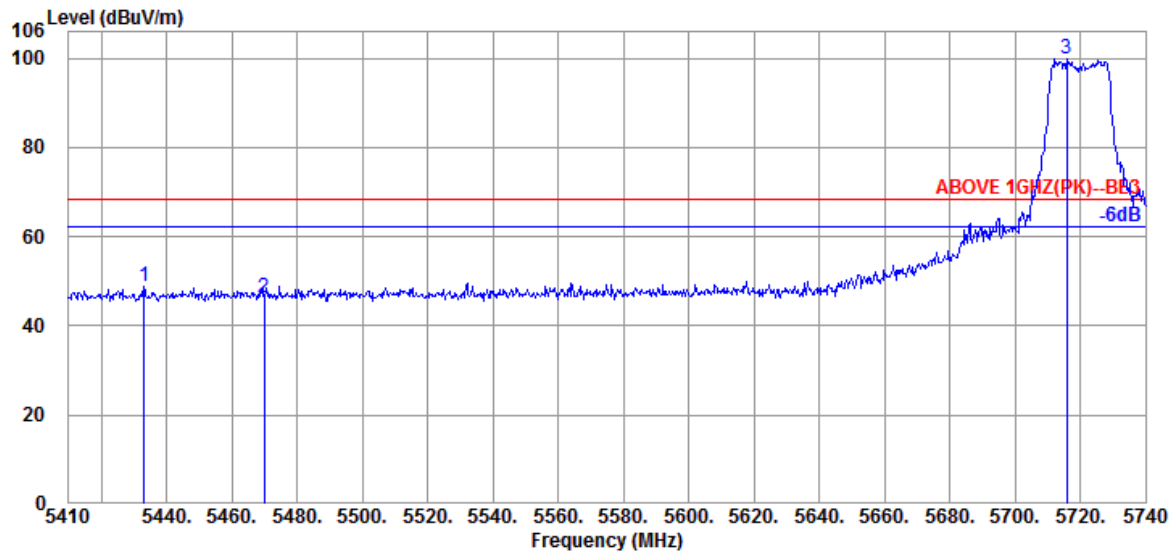
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@ 5692.320	34.80	10.80	34.36	100.50	111.74	---	---	Peak
5725.040	34.80	10.84	34.37	55.25	66.52	68.20	1.68	Peak
5725.280	34.80	10.84	34.37	55.30	66.57	68.20	1.63	Peak

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

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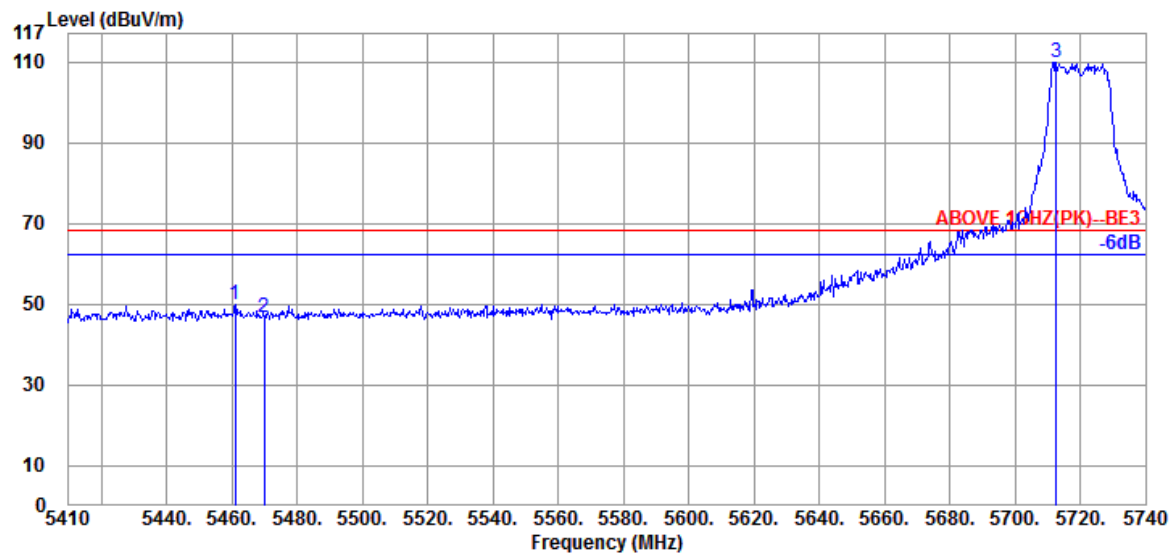
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Mode	802.11n-HT20	Band	NII-2C
		Frequency	TX 5720MHz



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
5433.100	34.67	10.52	34.29	37.95	48.85	68.20	19.35	Peak
5470.060	34.67	10.54	34.28	35.25	46.18	68.20	22.02	Peak
@ 5715.910	34.80	10.82	34.37	88.61	99.86	---	---	Peak



Antenna at Vertical Polarization

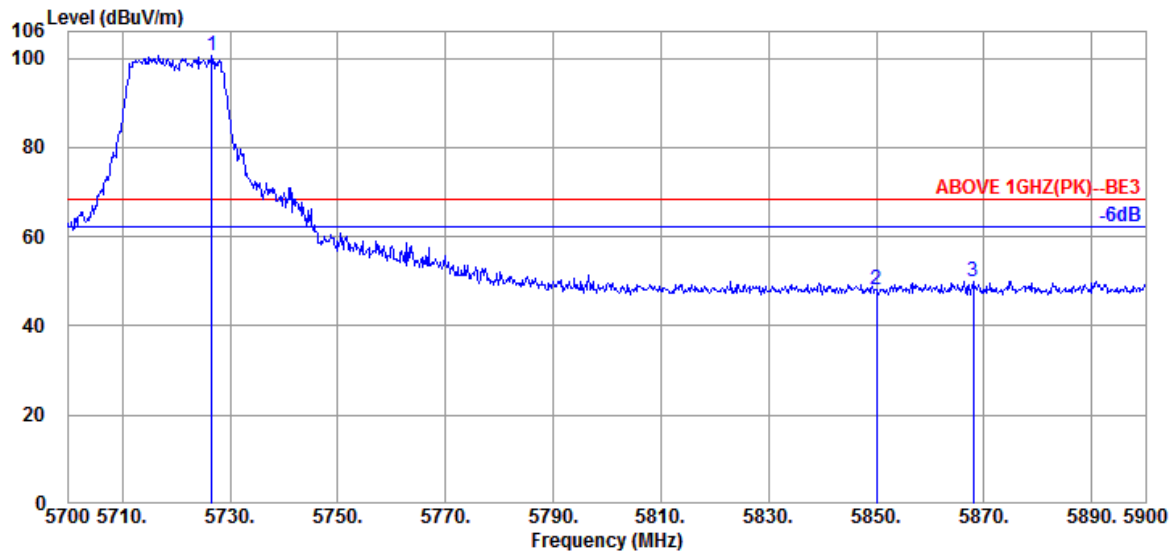
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5461.150	34.70	10.53	34.28	38.92	49.87	68.20	18.33	Peak
5470.060	34.67	10.54	34.28	35.71	46.64	68.20	21.56	Peak
@ 5712.610	34.80	10.82	34.37	98.66	109.91	---	---	Peak

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

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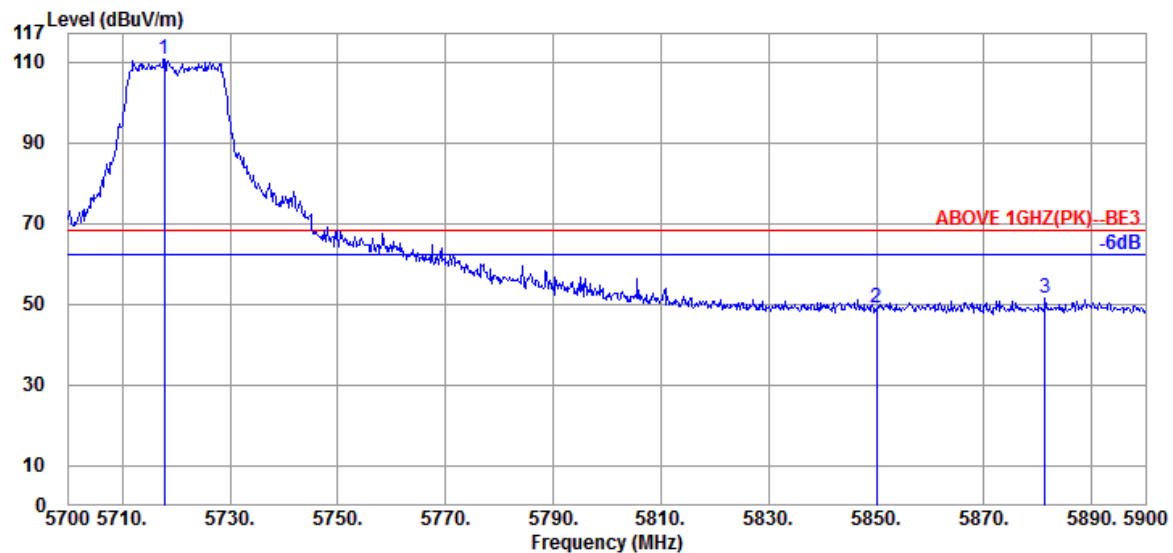
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Mode	802.11n-HT20	Band	NII-2C
		Frequency	TX 5720MHz



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
@ 5726.600	34.80	10.84	34.38	89.28	100.54	---	---	Peak
5850.000	35.40	10.99	34.43	36.29	48.25	68.20	19.95	Peak
5868.000	35.40	11.02	34.44	38.12	50.10	68.20	18.10	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
@ 5717.800	34.80	10.84	34.37	99.21	110.48	---	---	Peak
5850.000	35.40	10.99	34.43	37.25	49.21	68.20	18.99	Peak
5881.400	35.40	11.04	34.45	39.38	51.37	68.20	16.83	Peak

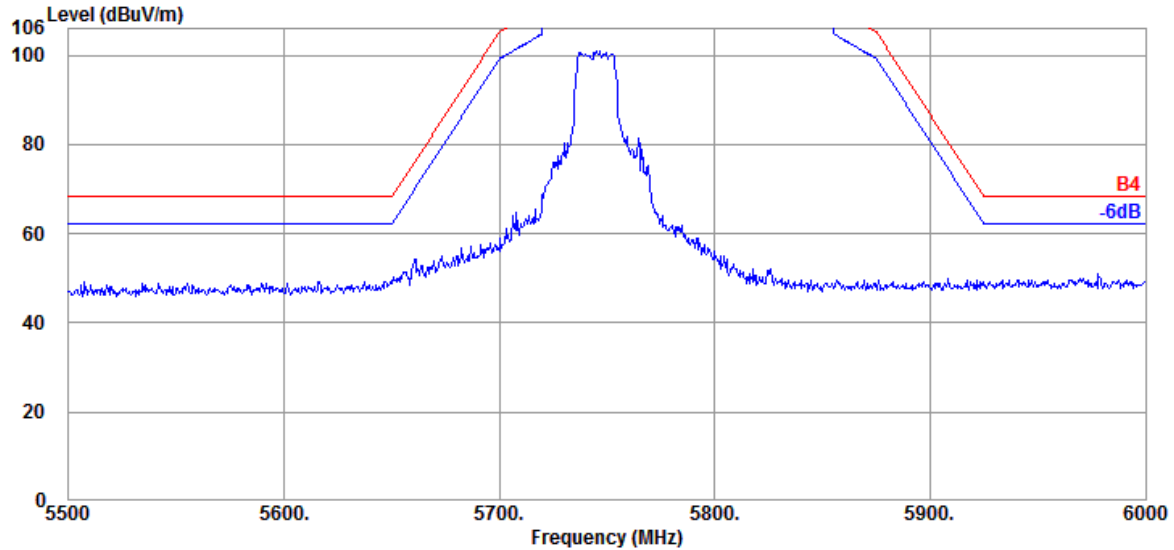
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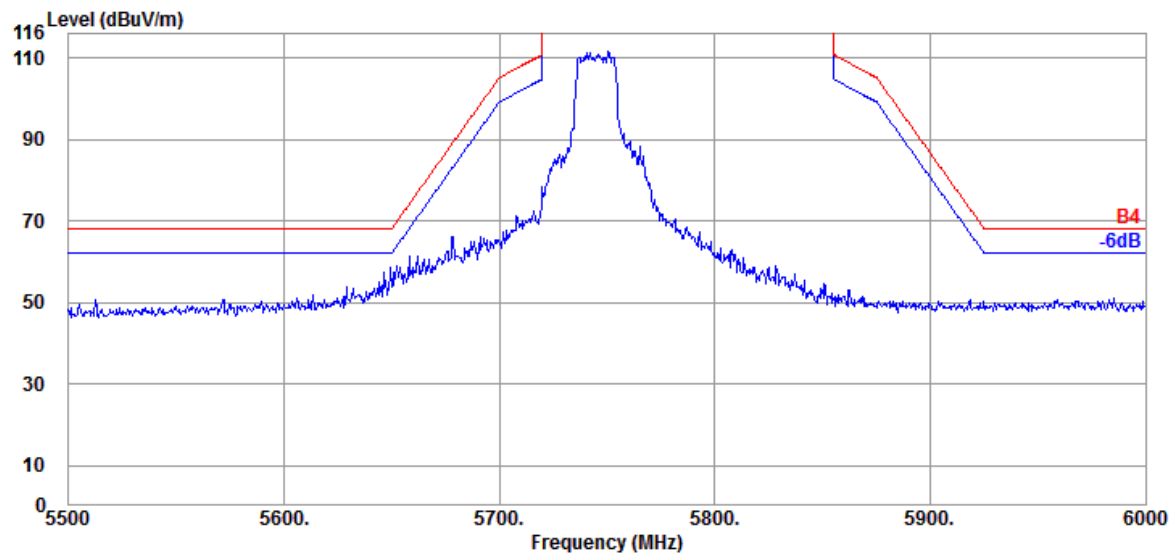
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Mode	802.11n-HT20	Band	NII-III
		Frequency	TX 5745MHz

Antenna at Horizontal Polarization



Antenna at Vertical Polarization

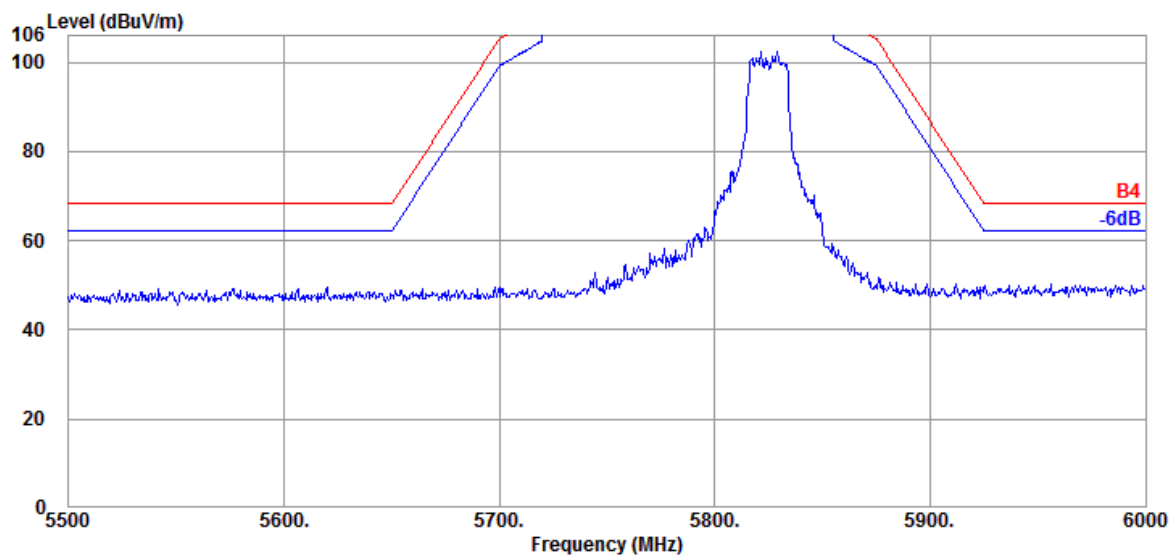


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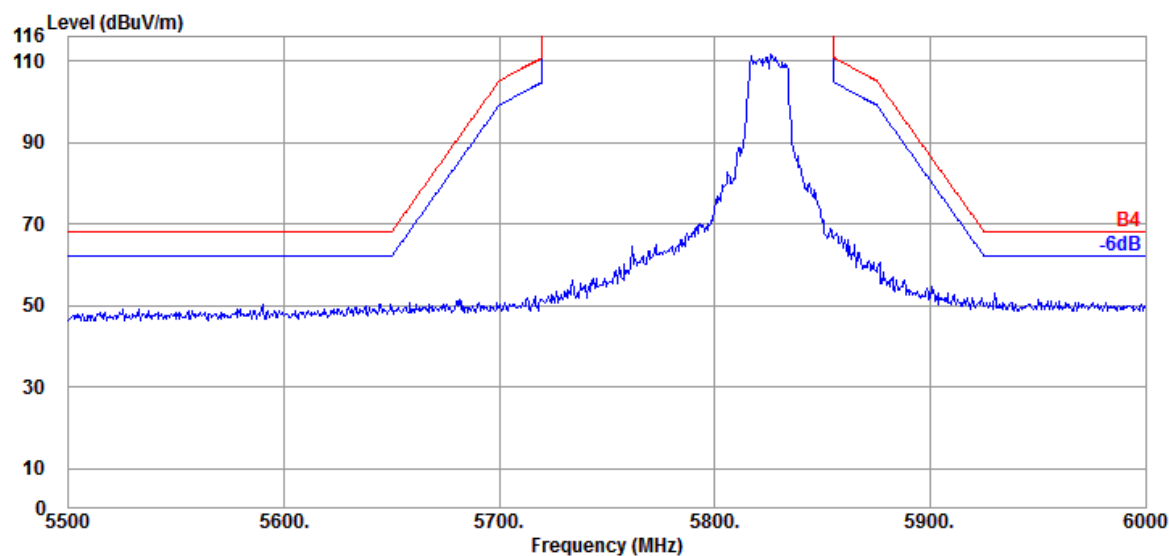
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Mode	802.11n-HT20	Band	NII-III
		Frequency	TX 5825MHz

Antenna at Horizontal Polarization



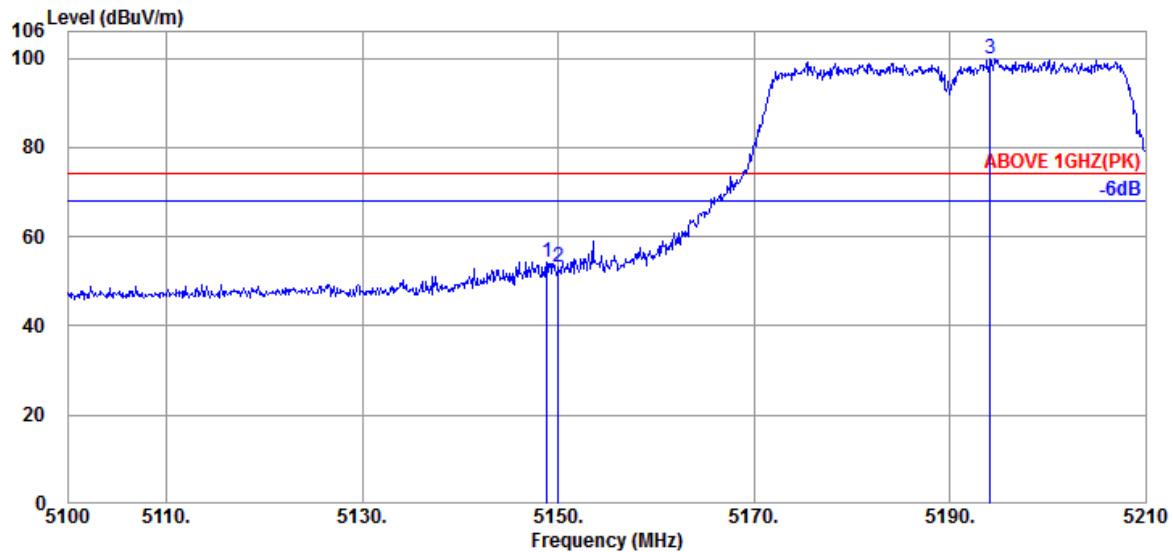
Antenna at Vertical Polarization



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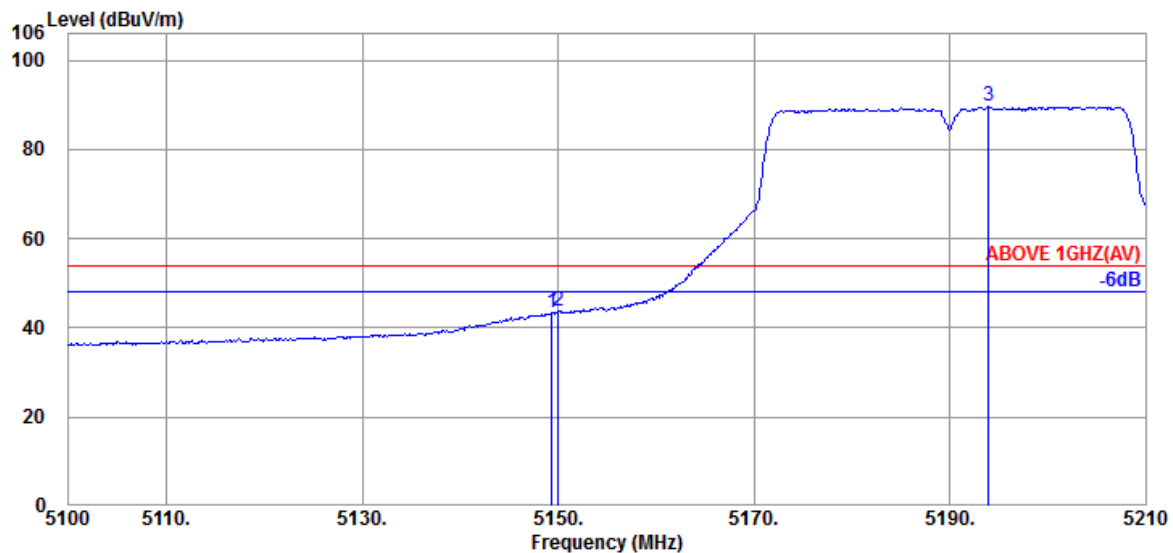
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Mode	802.11n-HT40	Band	NII-I
		Frequency	TX 5190MHz



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
5148.840	34.40	10.36	34.38	43.91	54.29	74.00	19.71	Peak
5150.050	34.40	10.36	34.38	42.76	53.14	74.00	20.86	Peak
@ 5194.160	34.50	10.39	34.36	89.19	99.72	---	---	Peak

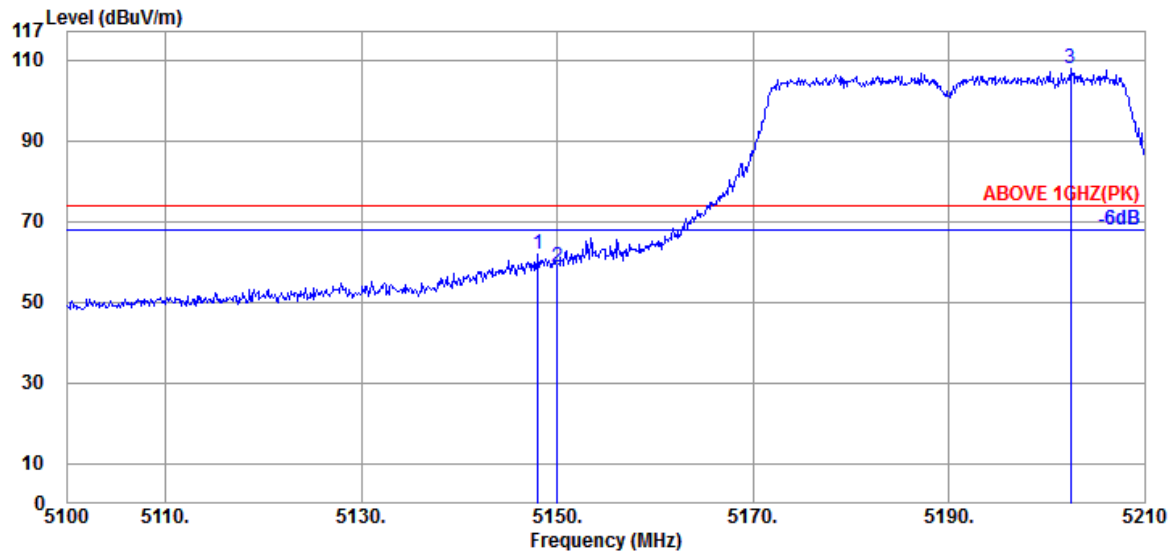


Antenna at Horizontal Polarization

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
5149.390	34.40	10.36	34.38	32.96	43.34	54.00	10.66	Average
5150.050	34.40	10.36	34.38	33.29	43.67	54.00	10.33	Average
@ 5193.940	34.50	10.39	34.36	79.13	89.66	---	---	Average

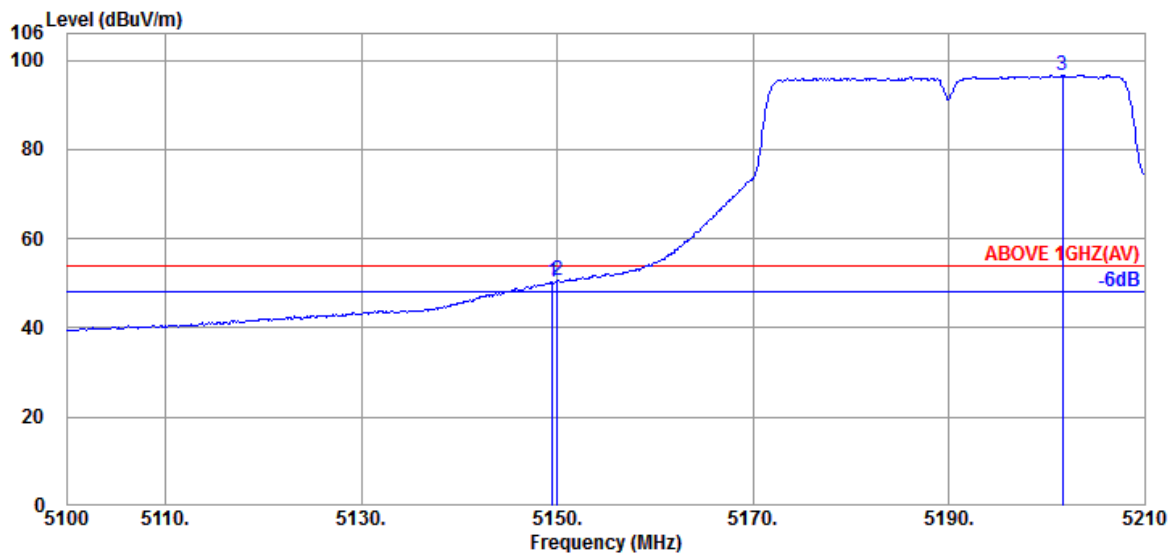
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	802.11n-HT40	Band	NII-I
		Frequency	TX 5190MHz



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
5148.070	34.40	10.36	34.38	51.40	61.78	74.00	12.22	Peak
5150.050	34.40	10.36	34.38	48.52	58.90	74.00	15.10	Peak
@ 5202.410	34.50	10.39	34.36	97.36	107.89	---	---	Peak



Antenna at Vertical Polarization

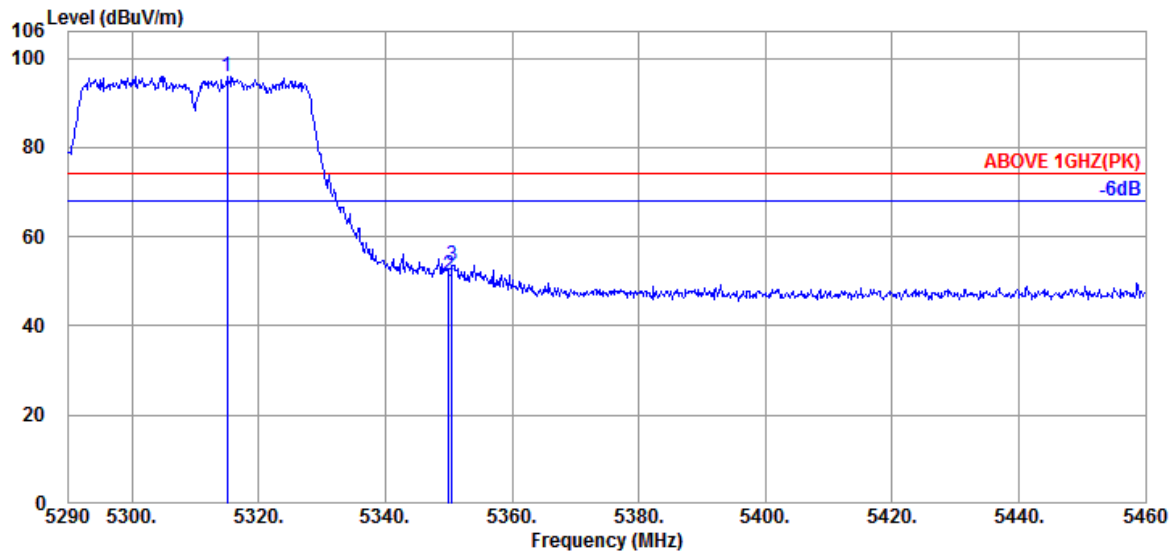
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5149.500	34.40	10.36	34.38	39.81	50.19	54.00	3.81	Average
5150.050	34.40	10.36	34.38	40.15	50.53	54.00	3.47	Average
@ 5201.640	34.50	10.39	34.36	86.17	96.70	---	---	Average

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

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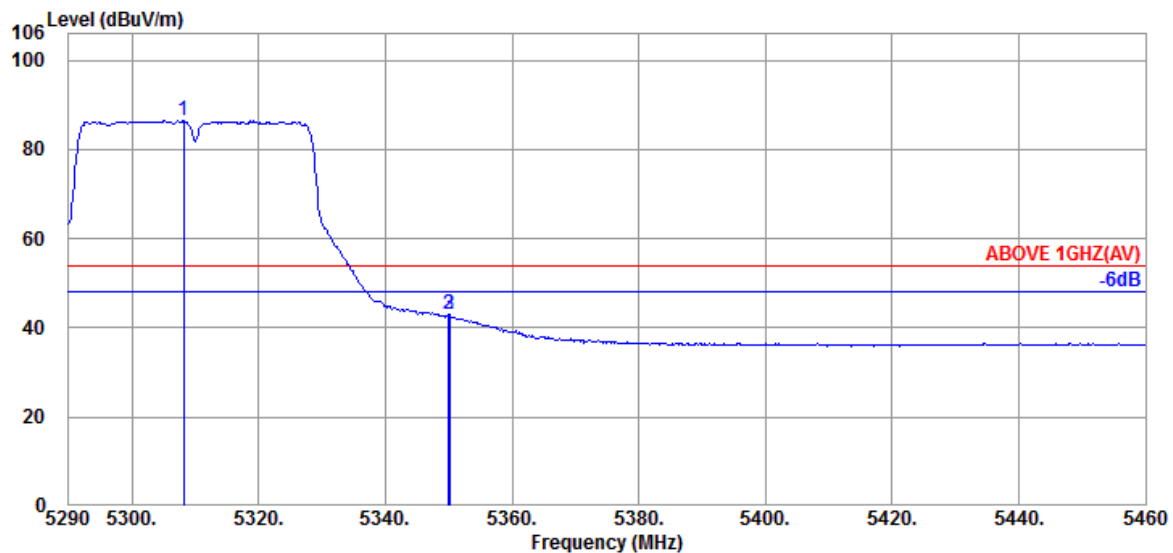
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Mode	802.11n-HT40	Band	NII-2A
		Frequency	TX 5310MHz



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
@ 5314.990	34.60	10.46	34.33	85.27	96.00	---	---	Peak
5350.010	34.60	10.48	34.31	40.59	51.36	74.00	22.64	Peak
5350.520	34.60	10.48	34.31	42.84	53.61	74.00	20.39	Peak



Antenna at Horizontal Polarization

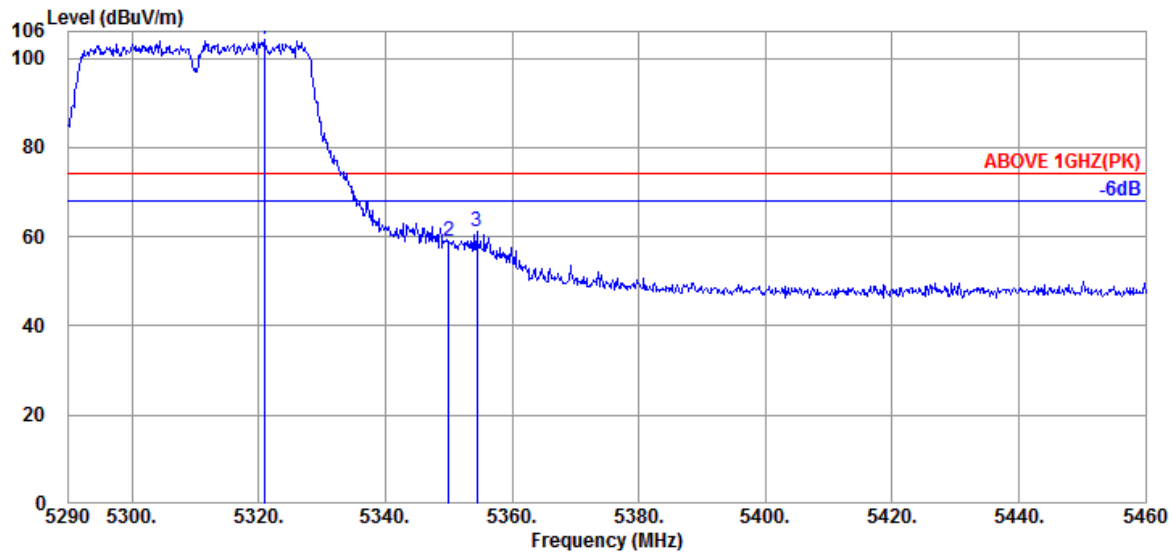
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5308.190	34.60	10.45	34.33	75.75	86.47	---	---	Average
5350.010	34.60	10.48	34.31	32.16	42.93	54.00	11.07	Average
5350.180	34.60	10.48	34.31	32.10	42.87	54.00	11.13	Average

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

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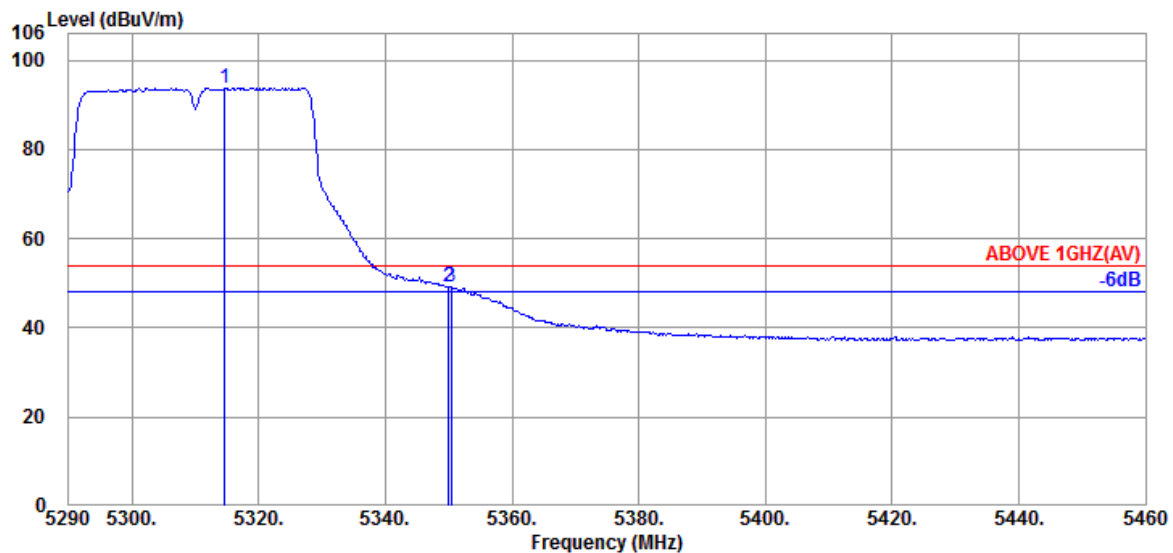
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Mode	802.11n-HT40	Band	NII-2A
		Frequency	TX 5310MHz



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
@ 5320.940	34.60	10.46	34.33	93.39	104.12	---	---	Peak
5350.010	34.60	10.48	34.31	48.11	58.88	74.00	15.12	Peak
5354.430	34.60	10.48	34.31	50.29	61.06	74.00	12.94	Peak



Antenna at Vertical Polarization

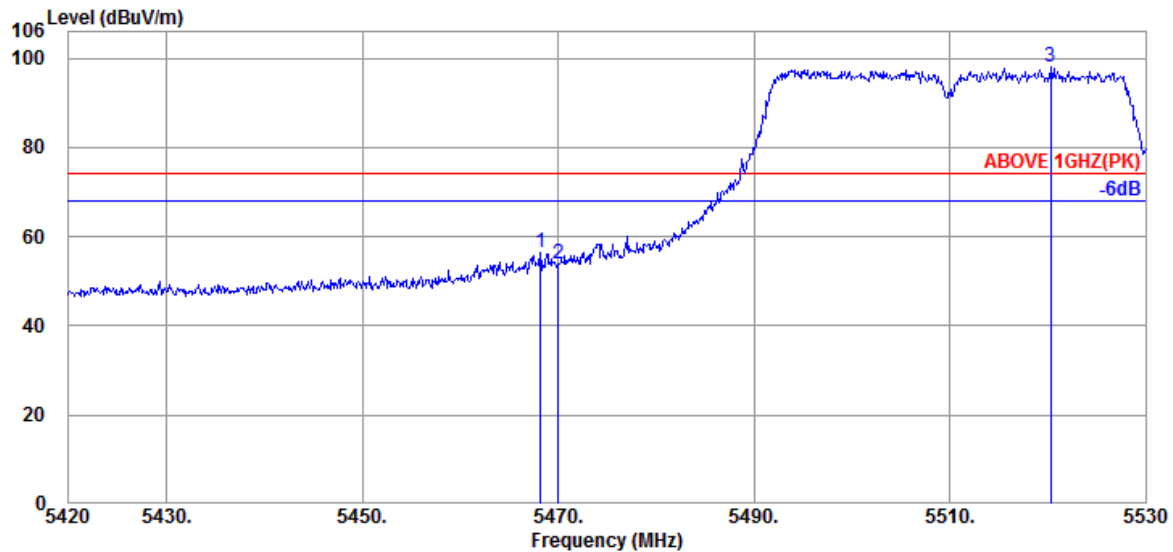
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5314.650	34.60	10.46	34.33	83.04	93.77	---	---	Average
5350.010	34.60	10.48	34.31	38.51	49.28	54.00	4.72	Average
5350.350	34.60	10.48	34.31	38.55	49.32	54.00	4.68	Average

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

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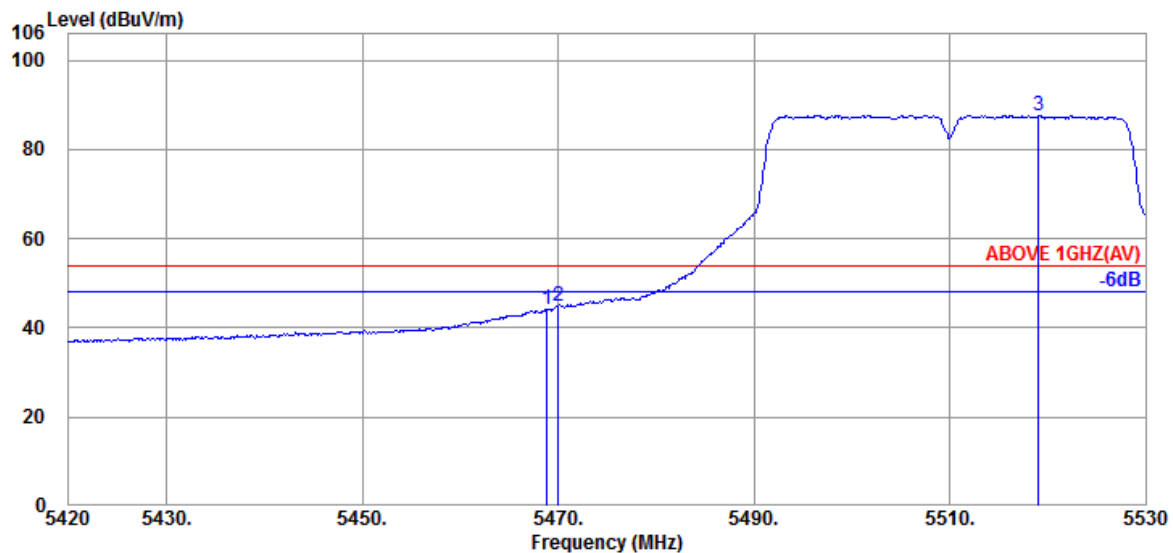
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Mode	802.11n-HT40	Band	NII-2C
		Frequency	TX 5510MHz



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
5468.180	34.67	10.54	34.28	45.47	56.40	74.00	17.60	Peak
5470.050	34.67	10.54	34.28	42.98	53.91	74.00	20.09	Peak
@ 5520.320	34.60	10.58	34.28	86.98	97.88	---	---	Peak

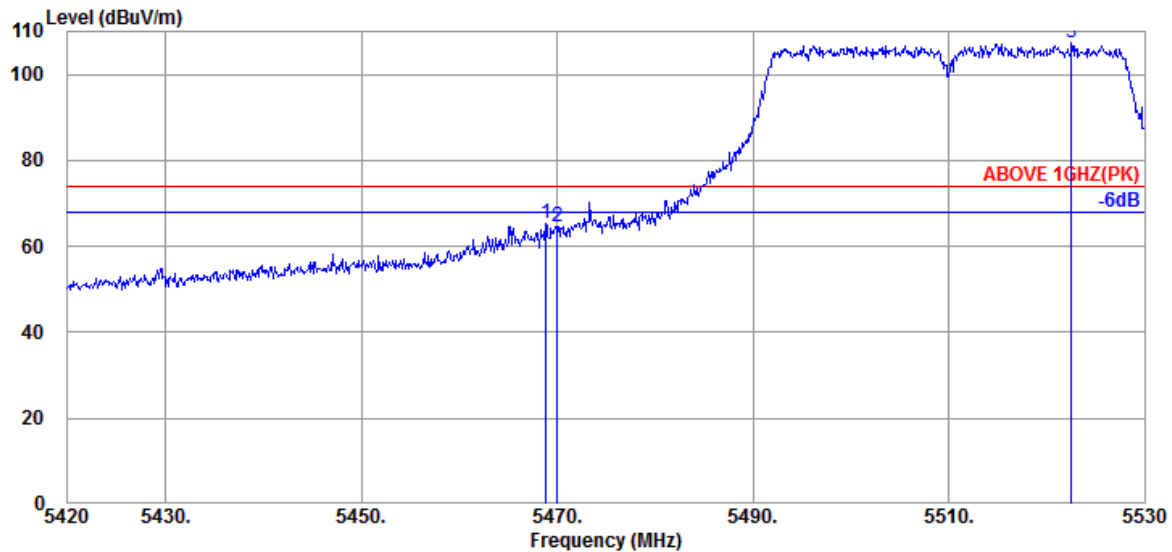


Antenna at Horizontal Polarization

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
5468.840	34.67	10.54	34.28	33.27	44.20	54.00	9.80	Average
5470.050	34.67	10.54	34.28	34.06	44.99	54.00	9.01	Average
@ 5519.110	34.60	10.58	34.28	76.82	87.72	---	---	Average

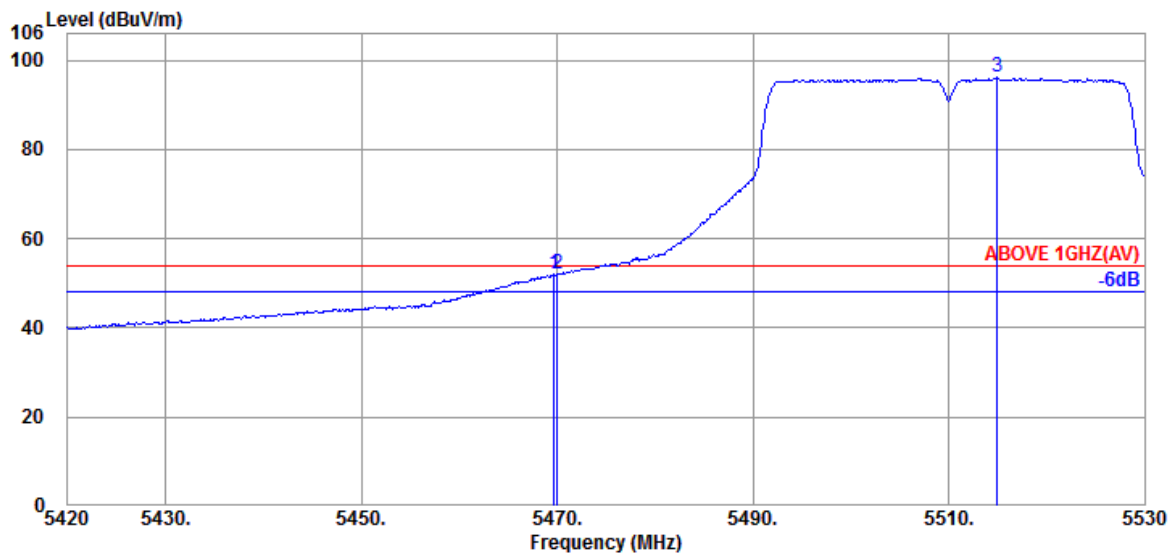
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	802.11n-HT40	Band	NII-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
5468.840	34.67	10.54	34.28	54.41	65.34	74.00	8.66	Peak
5470.050	34.67	10.54	34.28	53.72	64.65	74.00	9.35	Peak
@ 5522.520	34.60	10.58	34.28	96.39	107.29	---	---	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
5469.720	34.67	10.54	34.28	41.04	51.97	54.00	2.03	Average
5470.050	34.67	10.54	34.28	41.16	52.09	54.00	1.91	Average
@ 5514.930	34.60	10.58	34.28	85.24	96.14	---	---	Average

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

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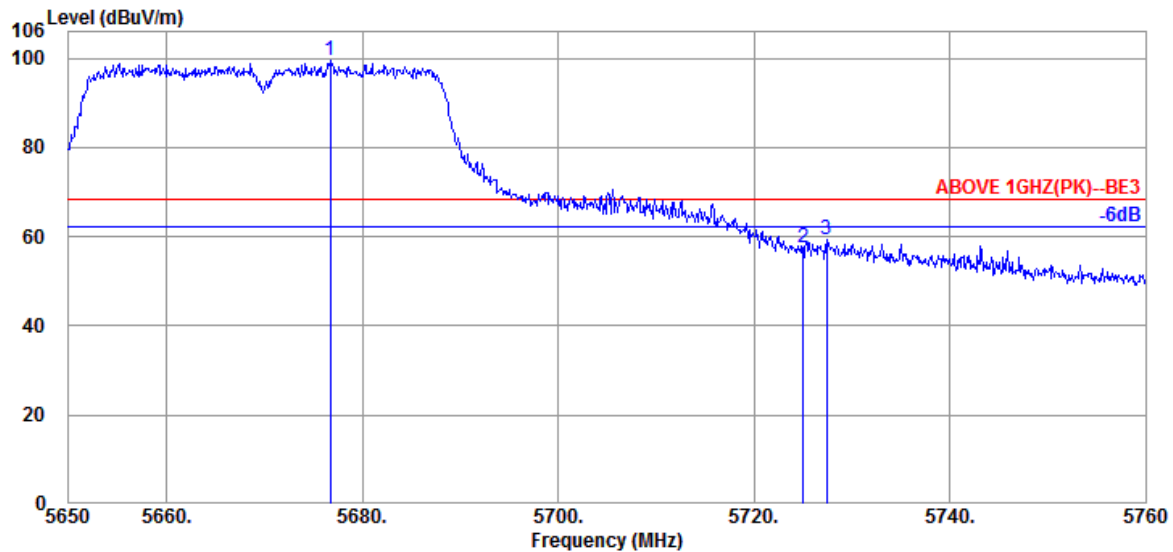
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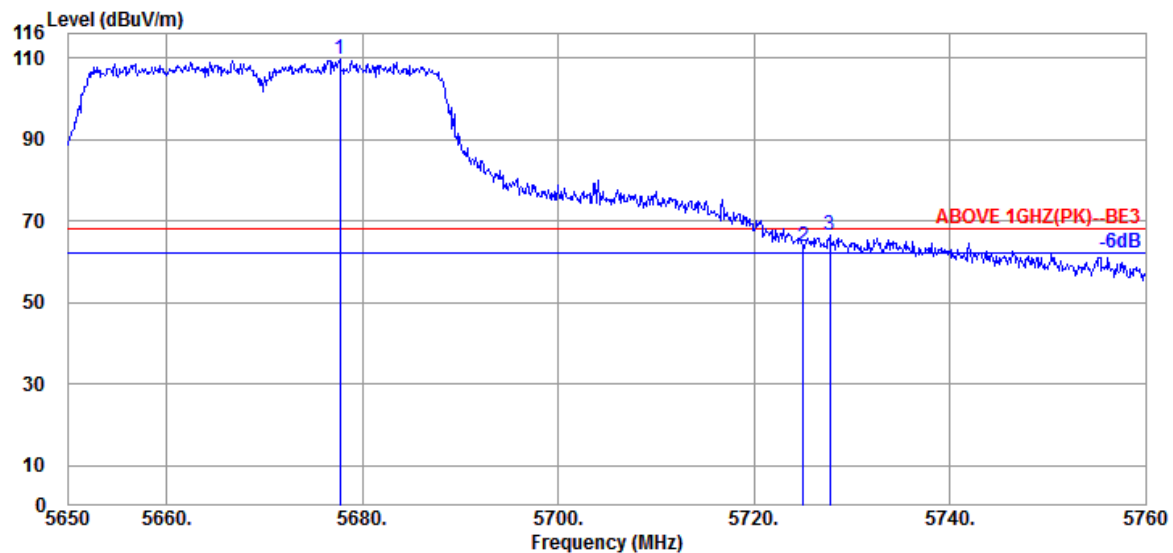
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Mode	802.11n-HT40	Band	NII-2C
		Frequency	TX 5670MHz



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
@ 5676.730	34.73	10.78	34.36	88.39	99.54	---	---	Peak
5725.020	34.80	10.84	34.37	46.31	57.58	68.20	10.62	Peak
5727.440	34.80	10.84	34.38	47.97	59.23	68.20	8.97	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
@ 5677.720	34.73	10.78	34.36	98.48	109.63	---	---	Peak
5725.020	34.80	10.84	34.37	52.42	63.69	68.20	4.51	Peak
5727.770	34.80	10.84	34.38	55.44	66.70	68.20	1.50	Peak

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

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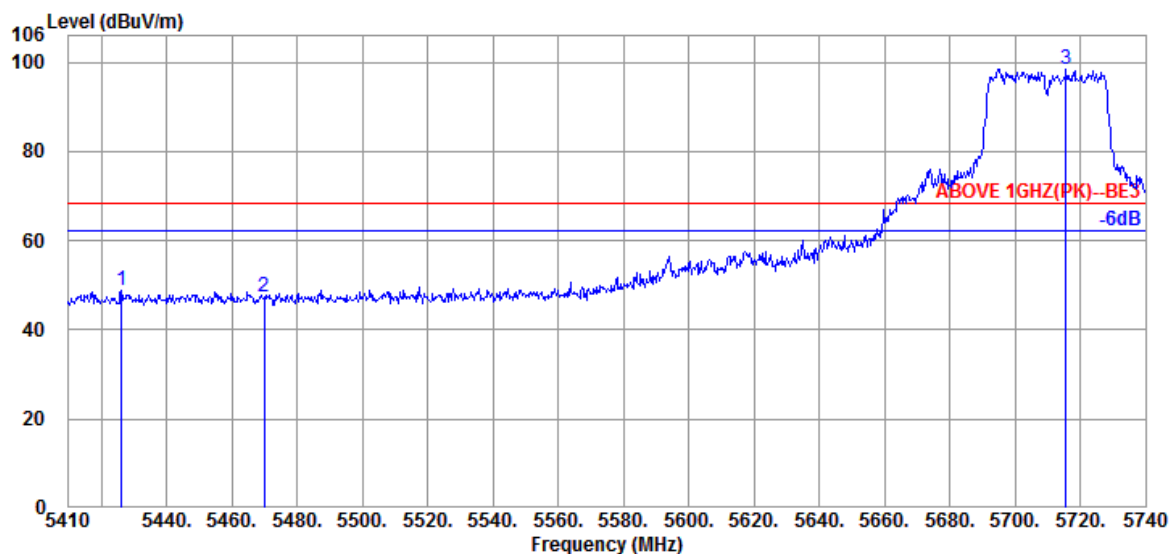
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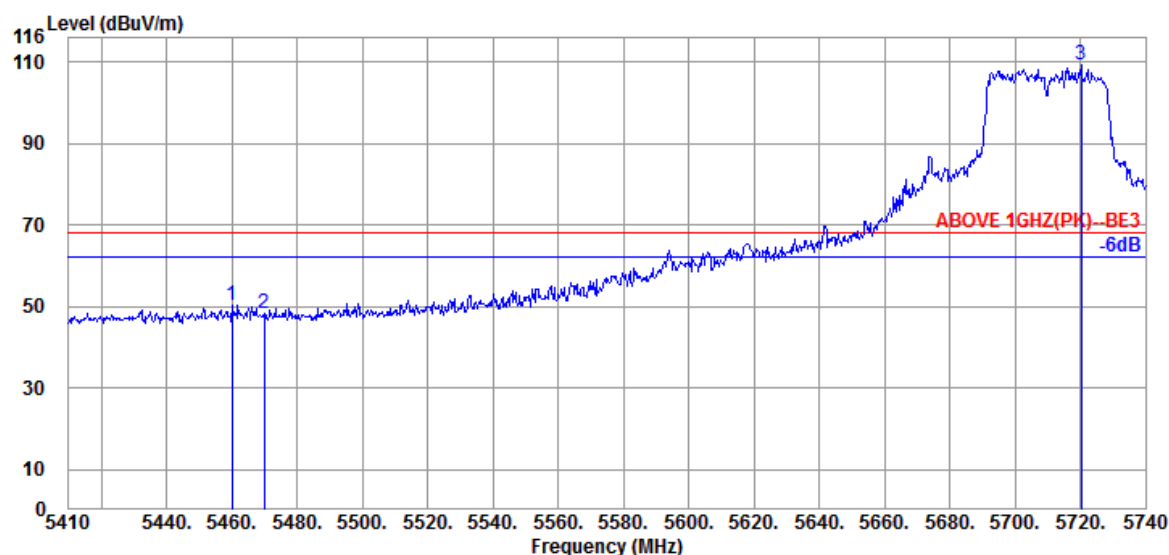
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Mode	802.11n-HT40	Band	NII-2C
		Frequency	TX 5710MHz



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
5426.170	34.65	10.51	34.29	38.02	48.89	68.20	19.31	Peak
5470.060	34.67	10.54	34.28	36.52	47.45	68.20	20.75	Peak
@ 5715.580	34.80	10.82	34.37	87.27	98.52	---	---	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
5460.160	34.70	10.53	34.28	39.42	50.37	68.20	17.83	Peak
5470.060	34.67	10.54	34.28	37.44	48.37	68.20	19.83	Peak
@ 5720.200	34.80	10.84	34.37	97.86	109.13	---	---	Peak

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

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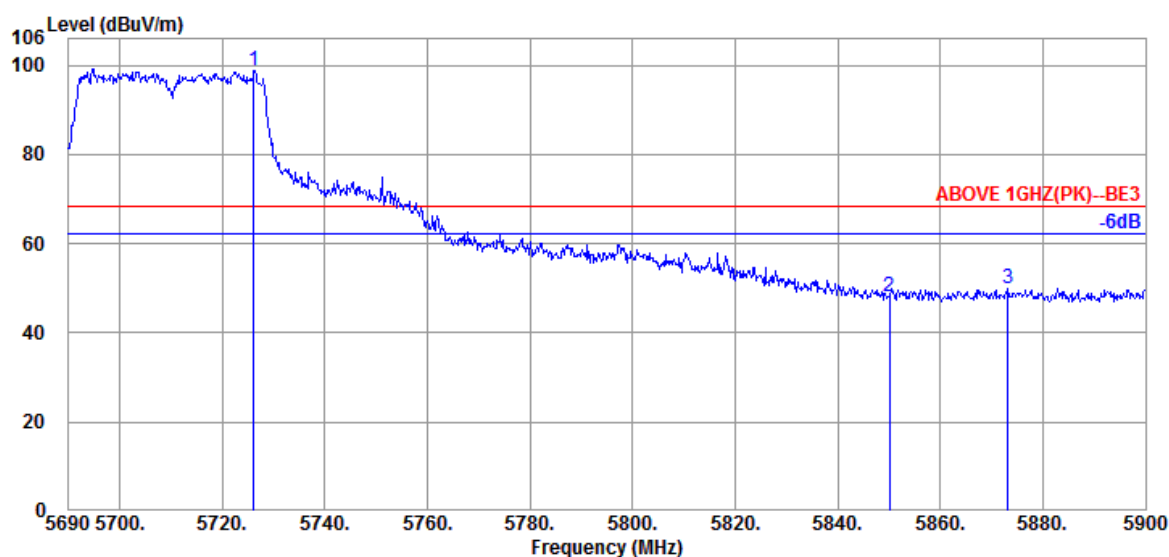
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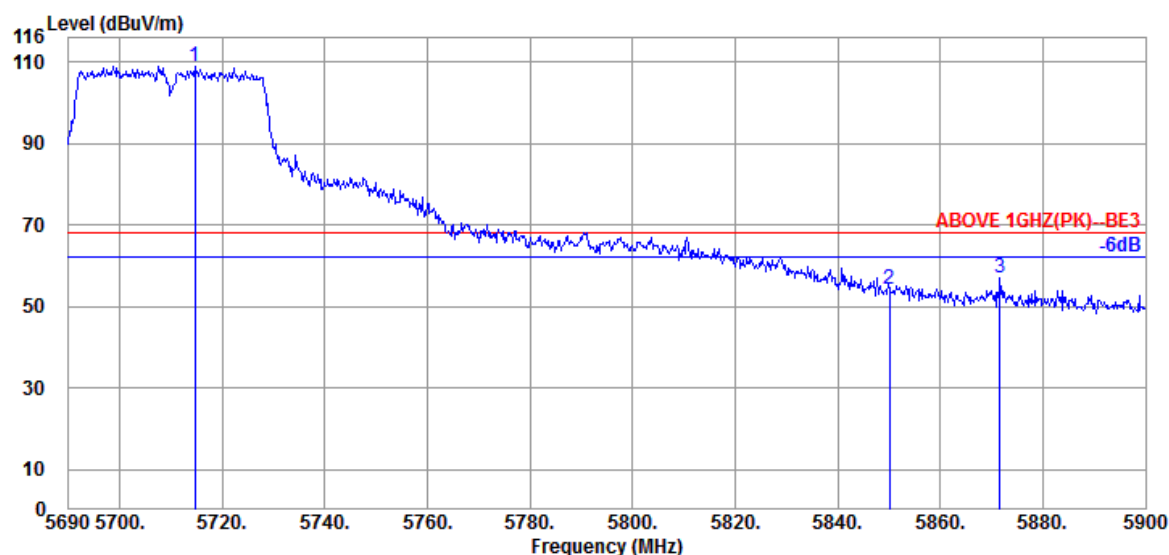
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Mode	802.11n-HT40	Band	NII-2C
		Frequency	TX 5710MHz



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
@	5726.120	34.80	10.84	34.37	87.38	98.65	---	---	Peak
	5850.020	35.40	10.99	34.43	36.27	48.23	68.20	19.97	Peak
	5873.120	35.40	11.04	34.44	38.04	50.04	68.20	18.16	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
@	5714.570	34.80	10.82	34.37	97.80	109.05	---	---	Peak
	5850.020	35.40	10.99	34.43	42.26	54.22	68.20	13.98	Peak
	5871.650	35.40	11.04	34.44	44.92	56.92	68.20	11.28	Peak

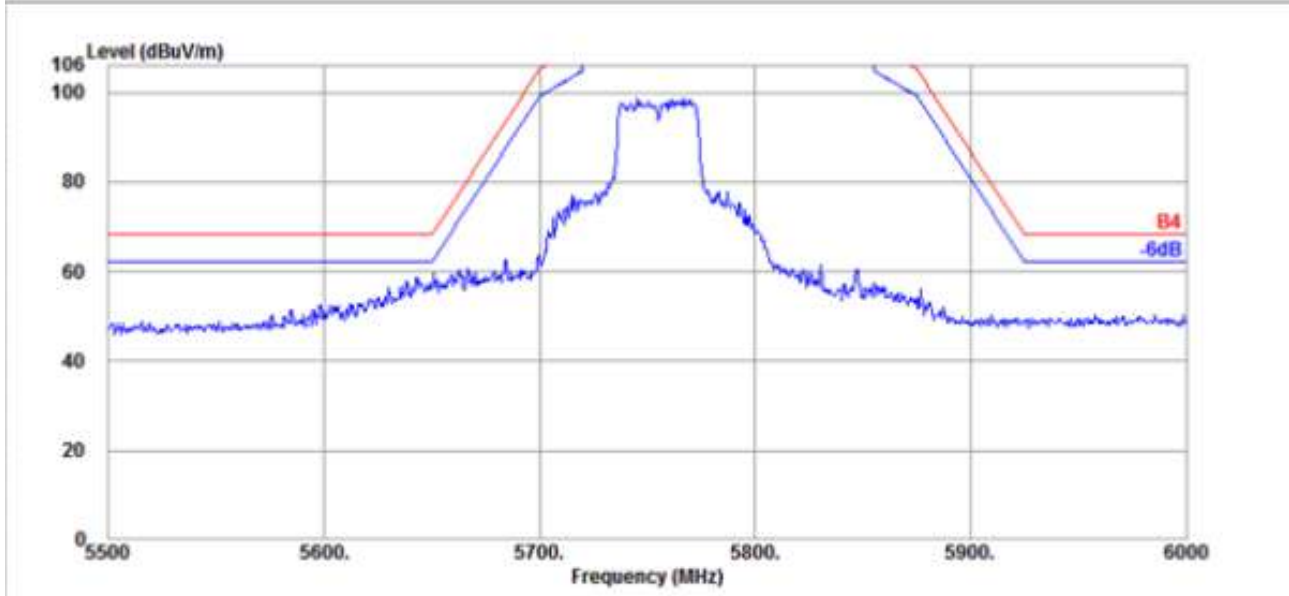
Remark: The “@” means fundamental frequency, it is ignored in this section.

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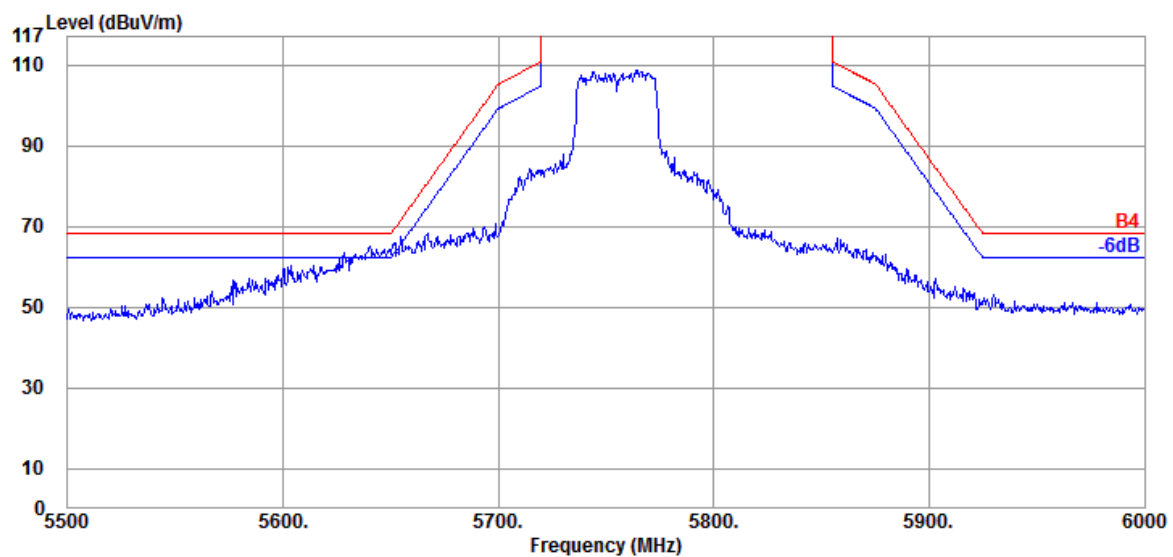
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Mode	802.11n-HT40	Band	NII-III
		Frequency	TX 5755MHz

Antenna at Horizontal Polarization



Antenna at Vertical Polarization

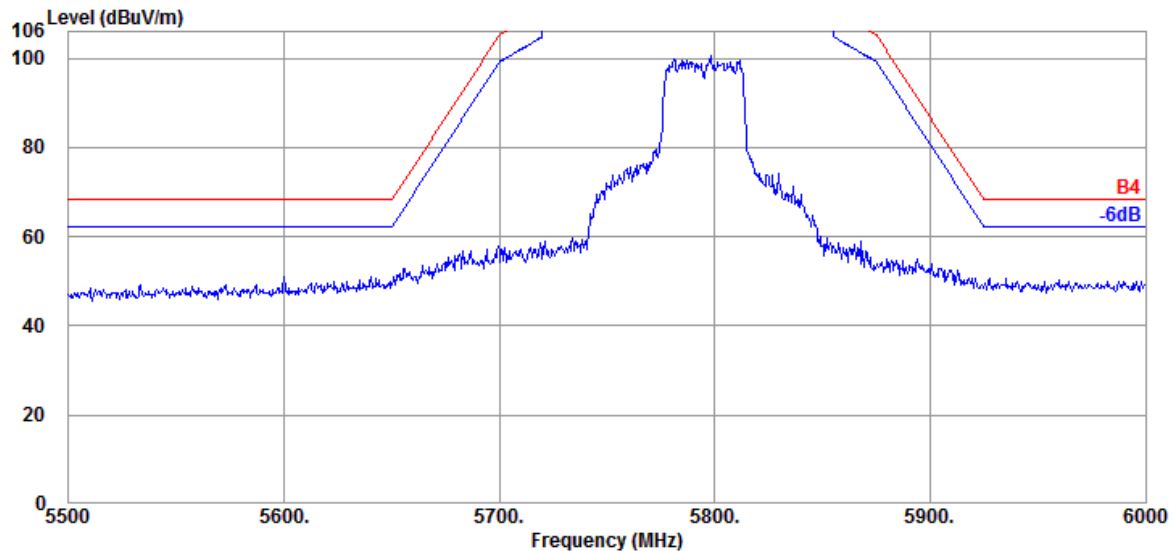


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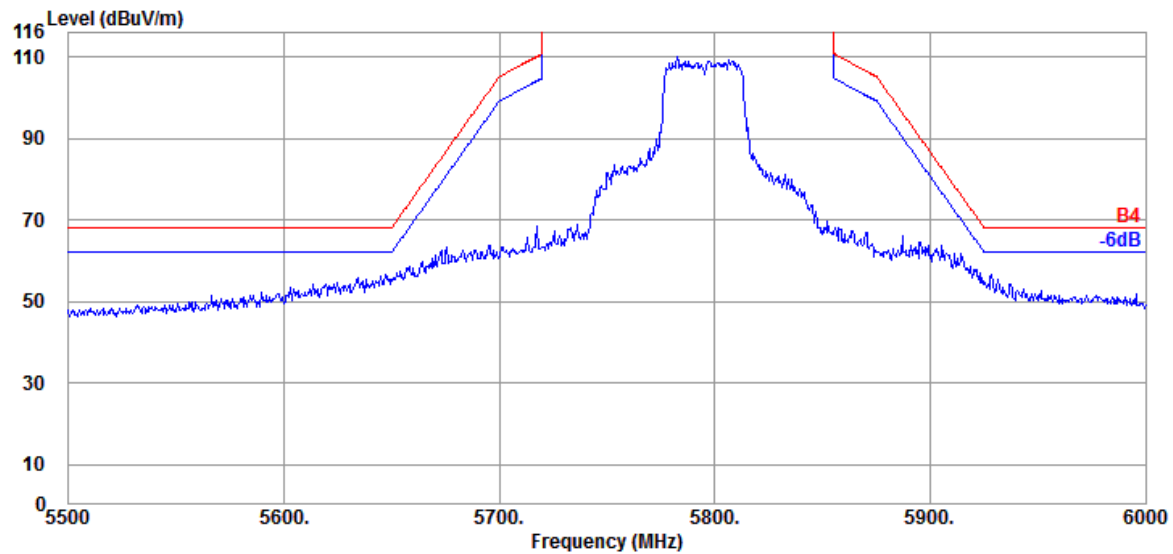
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Mode	802.11n-HT40	Band	NII-III
		Frequency	TX 5795MHz

Antenna at Horizontal Polarization



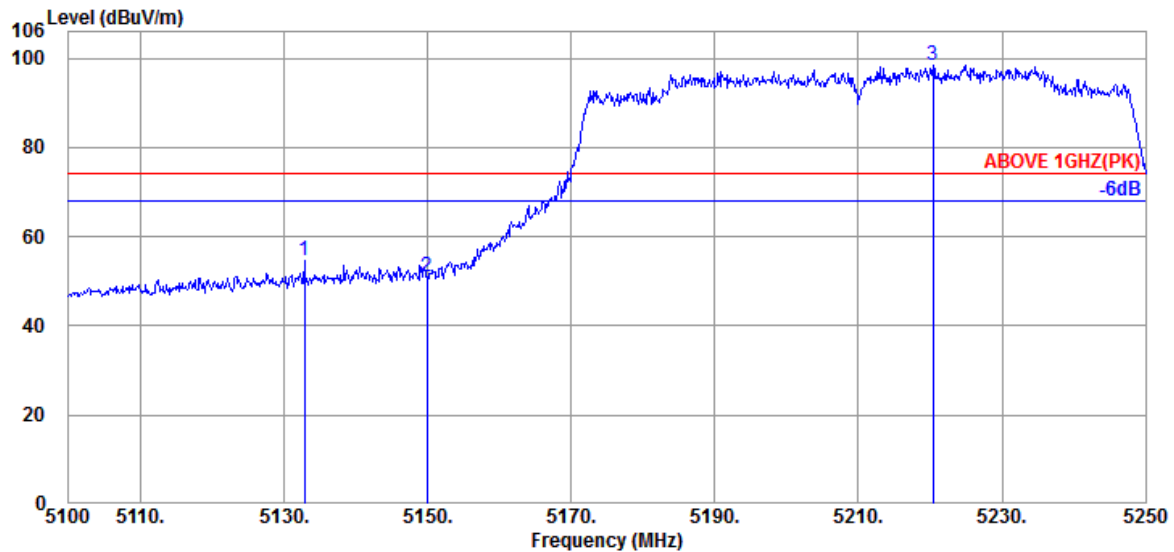
Antenna at Vertical Polarization



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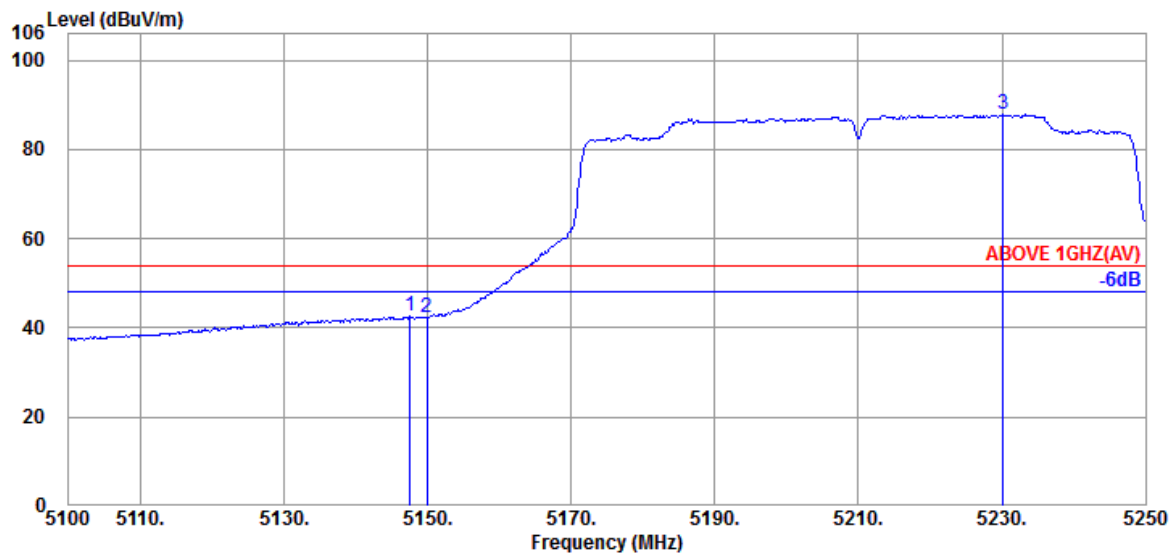
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Mode	802.11ac-VHT80	Band	NII-I
		Frequency	TX 5210MHz



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
5132.850	34.37	10.35	34.39	44.23	54.56	74.00	19.44	Peak
5149.950	34.40	10.36	34.38	40.72	51.10	74.00	22.90	Peak
@ 5220.450	34.50	10.40	34.36	88.00	98.54	---	---	Peak



Antenna at Horizontal Polarization

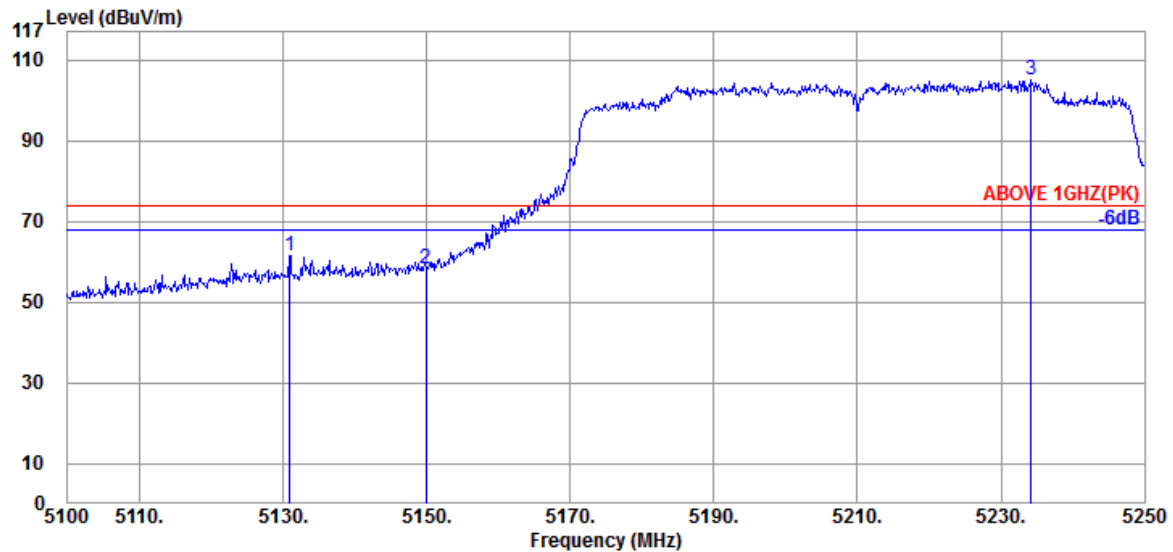
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5147.550	34.40	10.36	34.38	32.16	42.54	54.00	11.46	Average
5149.950	34.40	10.36	34.38	32.05	42.43	54.00	11.57	Average
@ 5230.200	34.50	10.41	34.35	77.24	87.80	---	---	Average

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

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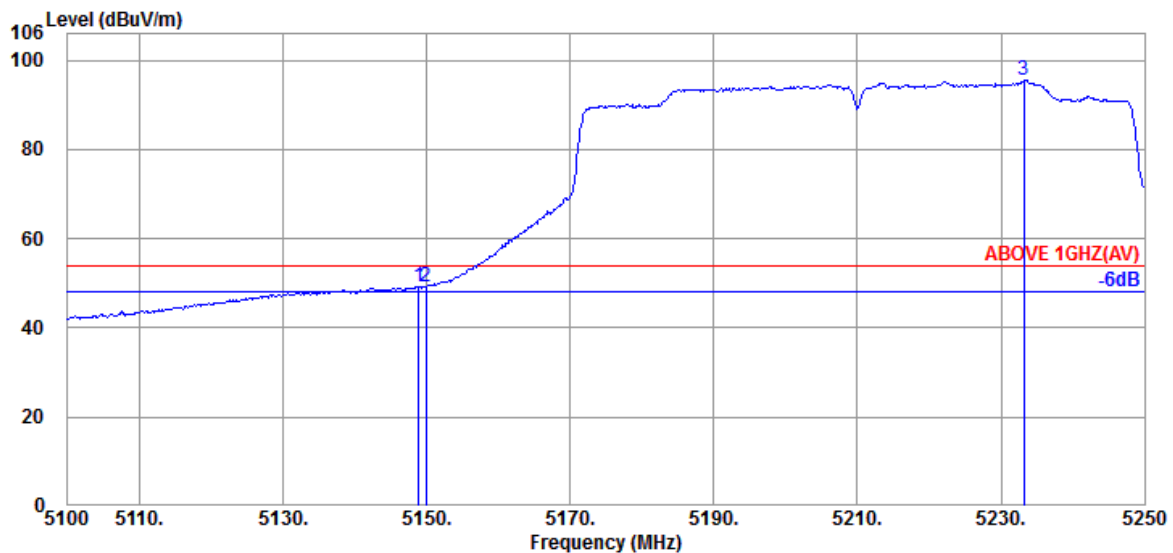
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Mode	802.11ac-VHT80	Band	NII-I
		Frequency	TX 5210MHz



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
5130.900	34.37	10.35	34.39	51.28	61.61	74.00	12.39	Peak
5149.950	34.40	10.36	34.38	48.09	58.47	74.00	15.53	Peak
@ 5234.250	34.50	10.41	34.35	94.45	105.01	---	---	Peak



Antenna at Vertical Polarization

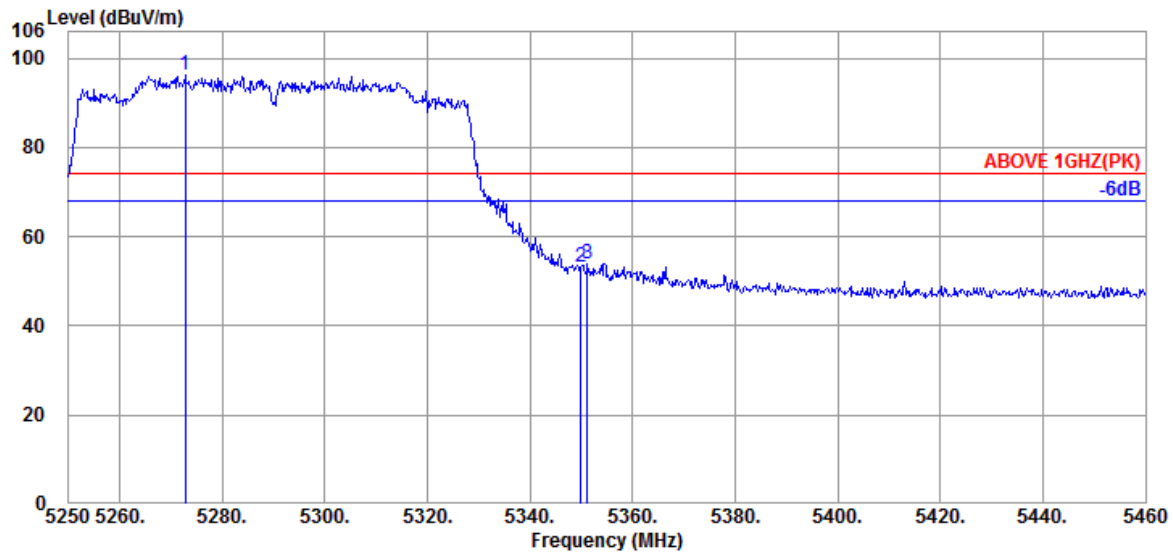
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5148.900	34.40	10.36	34.38	38.97	49.35	54.00	4.65	Average
5149.950	34.40	10.36	34.38	39.00	49.38	54.00	4.62	Average
@ 5233.200	34.50	10.41	34.35	84.93	95.49	---	---	Average

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

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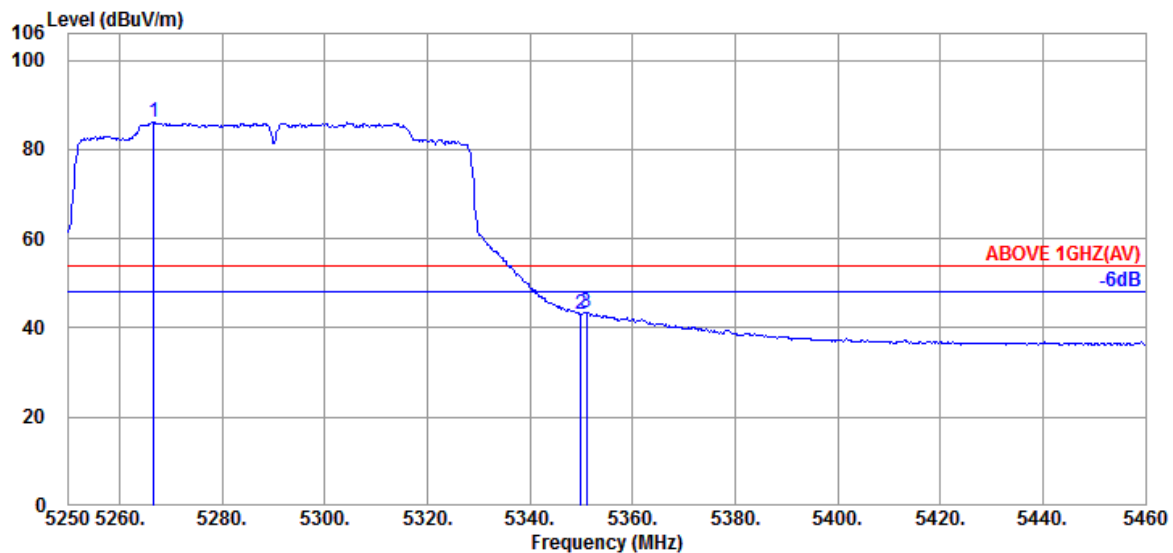
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Mode	802.11ac-VHT80	Band	NII-2A
		Frequency	TX 5290MHz



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
@ 5272.680	34.53	10.43	34.34	85.64	96.26	---	---	Peak
5349.960	34.60	10.48	34.31	42.46	53.23	74.00	20.77	Peak
5351.220	34.60	10.48	34.31	43.31	54.08	74.00	19.92	Peak



Antenna at Horizontal Polarization

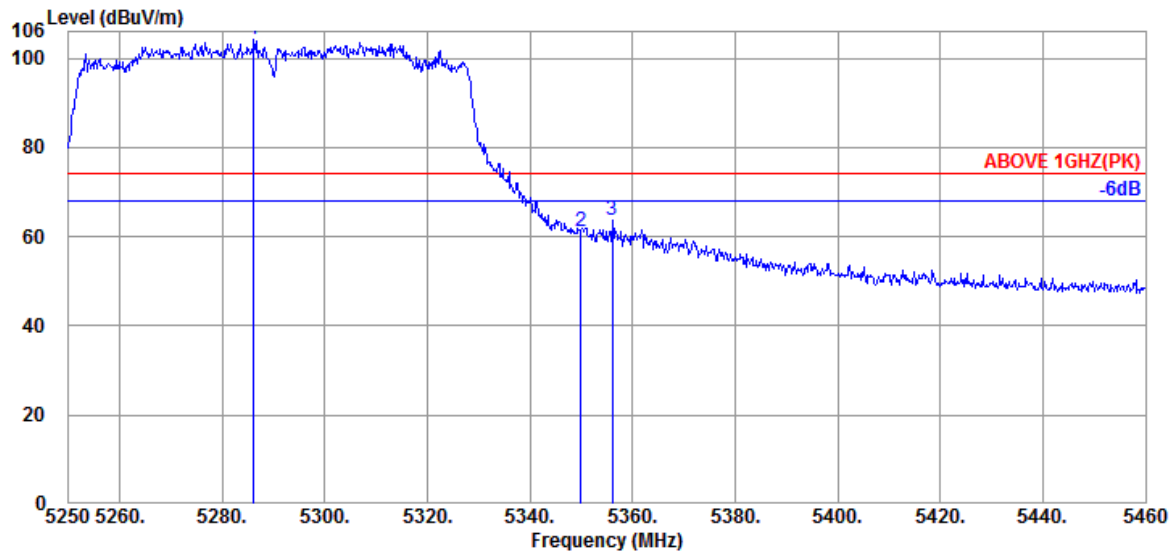
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5266.590	34.53	10.43	34.34	75.39	86.01	---	---	Average
5349.960	34.60	10.48	34.31	32.11	42.88	54.00	11.12	Average
5351.010	34.60	10.48	34.31	32.78	43.55	54.00	10.45	Average

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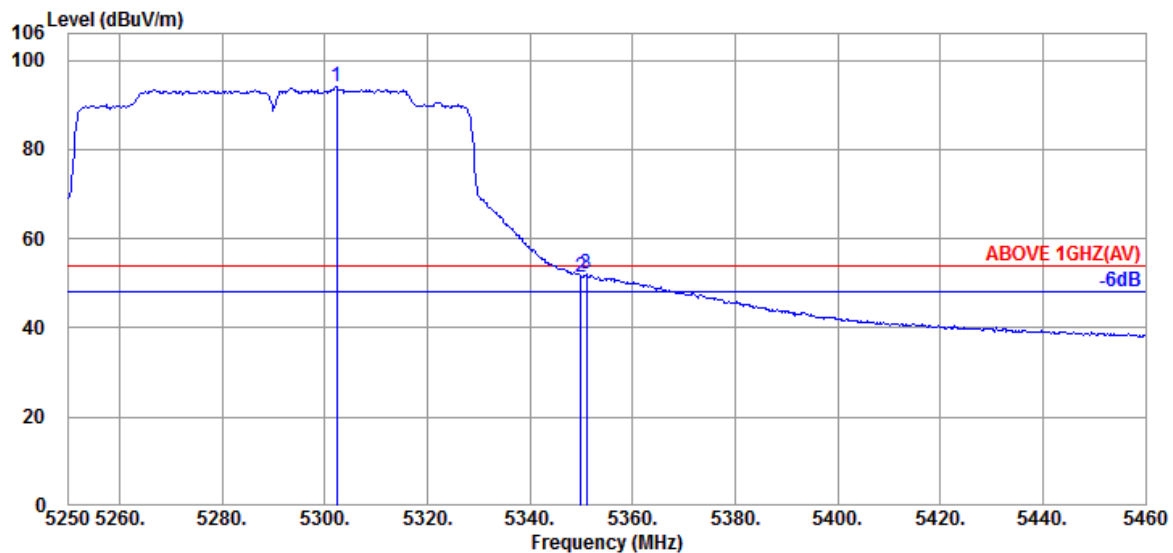
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Mode	802.11ac-VHT80	Band	NII-2A
		Frequency	TX 5290MHz



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
@ 5286.120	34.57	10.44	34.34	93.41	104.08	---	---	Peak
5349.960	34.60	10.48	34.31	50.22	60.99	74.00	13.01	Peak
5356.050	34.60	10.48	34.31	52.83	63.60	74.00	10.40	Peak

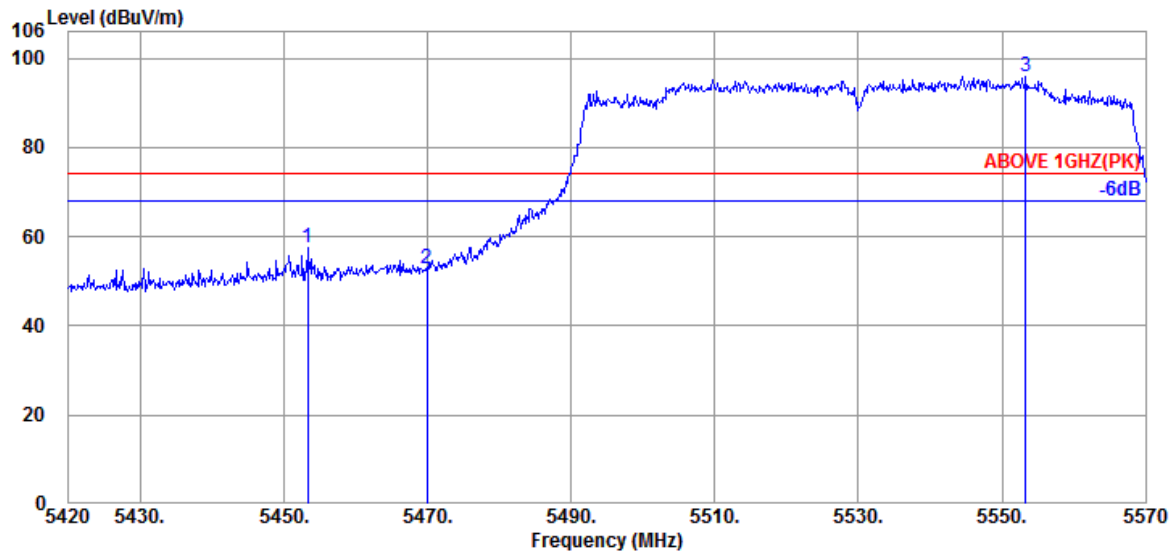


Antenna at Vertical Polarization

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
@ 5302.290	34.60	10.45	34.33	83.30	94.02	---	---	Average
5349.960	34.60	10.48	34.31	40.74	51.51	54.00	2.49	Average
5351.010	34.60	10.48	34.31	41.20	51.97	54.00	2.03	Average

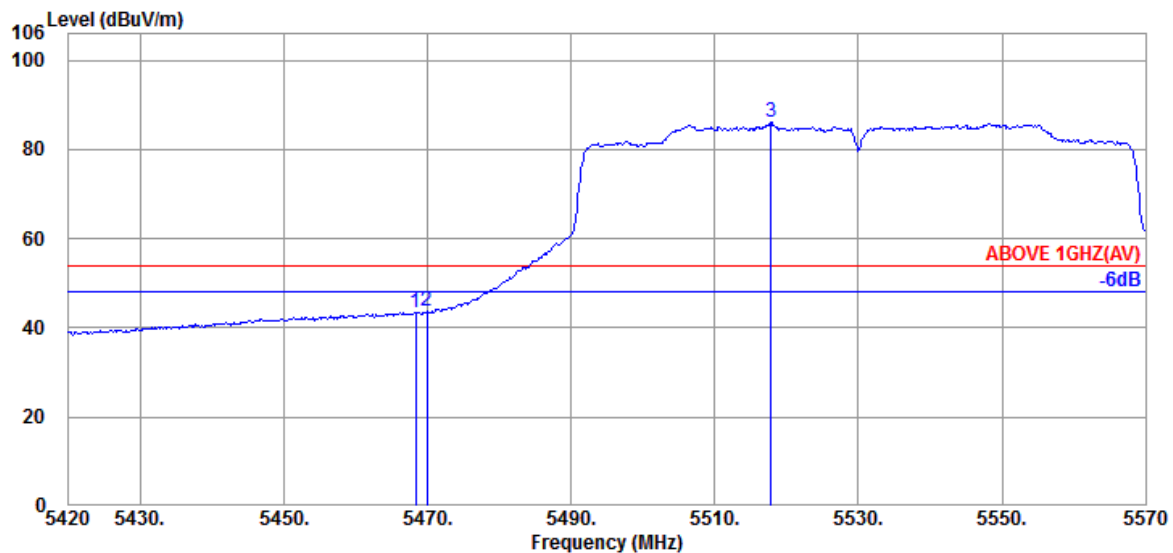
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	802.11ac-VHT80	Band	NII-2C
		Frequency	TX 5530MHz



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
5453.300	34.70	10.53	34.28	46.46	57.41	74.00	16.59	Peak
5469.950	34.67	10.54	34.28	41.99	52.92	74.00	21.08	Peak
@ 5553.350	34.60	10.63	34.30	85.04	95.97	---	---	Peak



Antenna at Horizontal Polarization

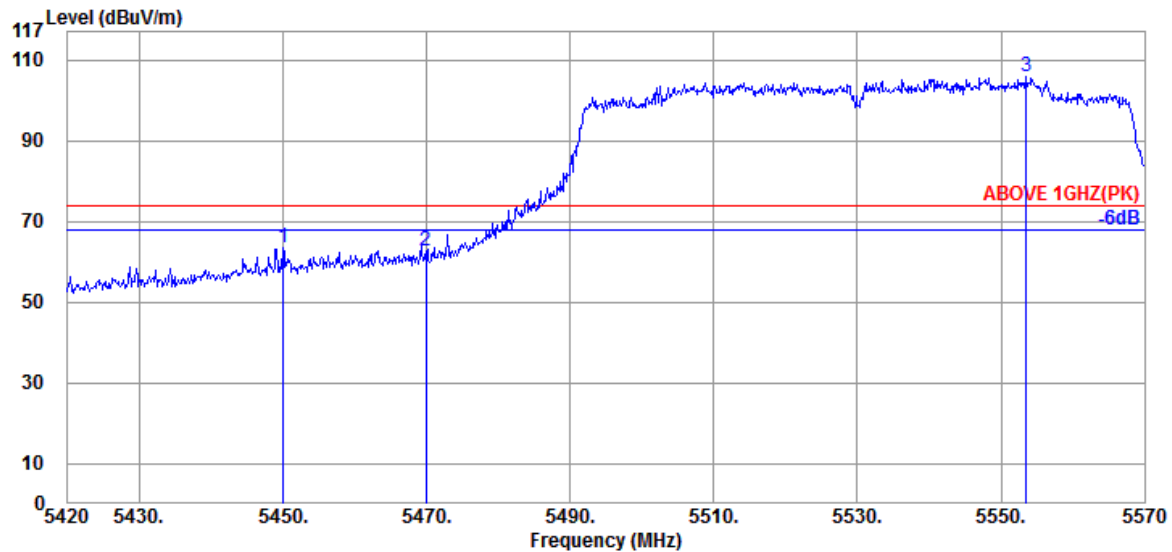
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5468.300	34.67	10.54	34.28	32.59	43.52	54.00	10.48	Average
5469.950	34.67	10.54	34.28	32.68	43.61	54.00	10.39	Average
@ 5517.800	34.60	10.58	34.28	75.18	86.08	---	---	Average

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

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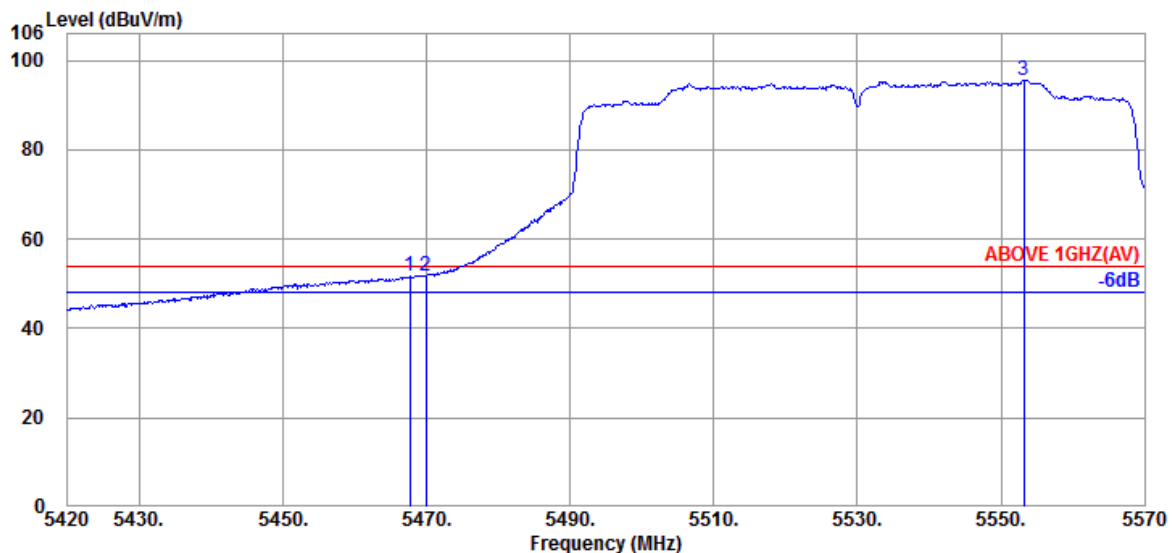
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Mode	802.11ac-VHT80	Band	NII-2C
		Frequency	TX 5530MHz



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
5450.000	34.70	10.53	34.29	52.42	63.36	74.00	10.64	Peak
5469.950	34.67	10.54	34.28	51.92	62.85	74.00	11.15	Peak
@ 5553.500	34.60	10.63	34.30	94.74	105.67	---	---	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
5467.700	34.67	10.54	34.28	40.76	51.69	54.00	2.31	Average
5469.950	34.67	10.54	34.28	40.66	51.59	54.00	2.41	Average
@ 5553.200	34.60	10.63	34.30	84.69	95.62	---	---	Average

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

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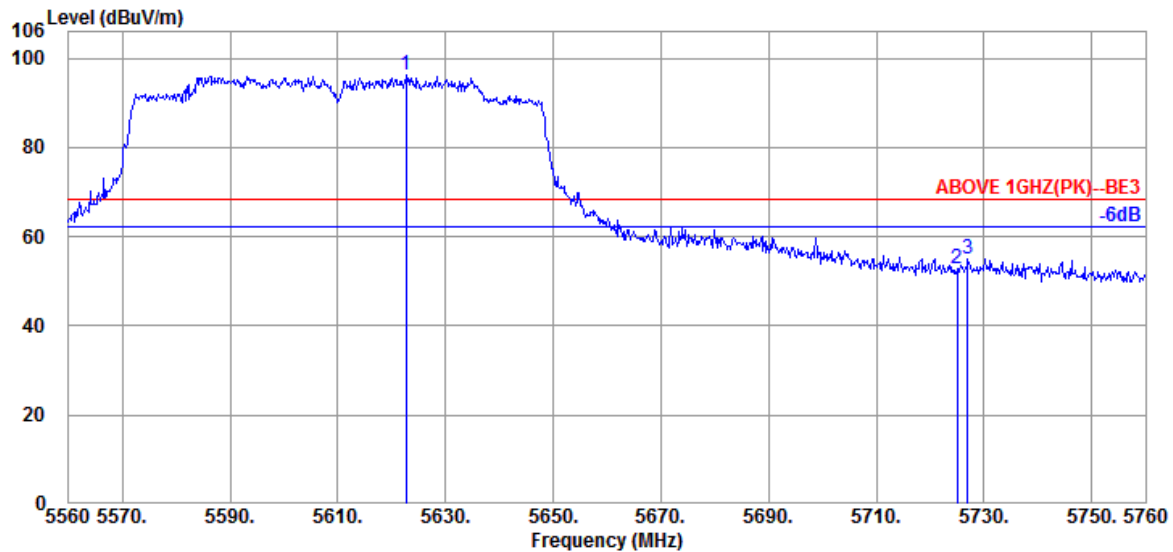
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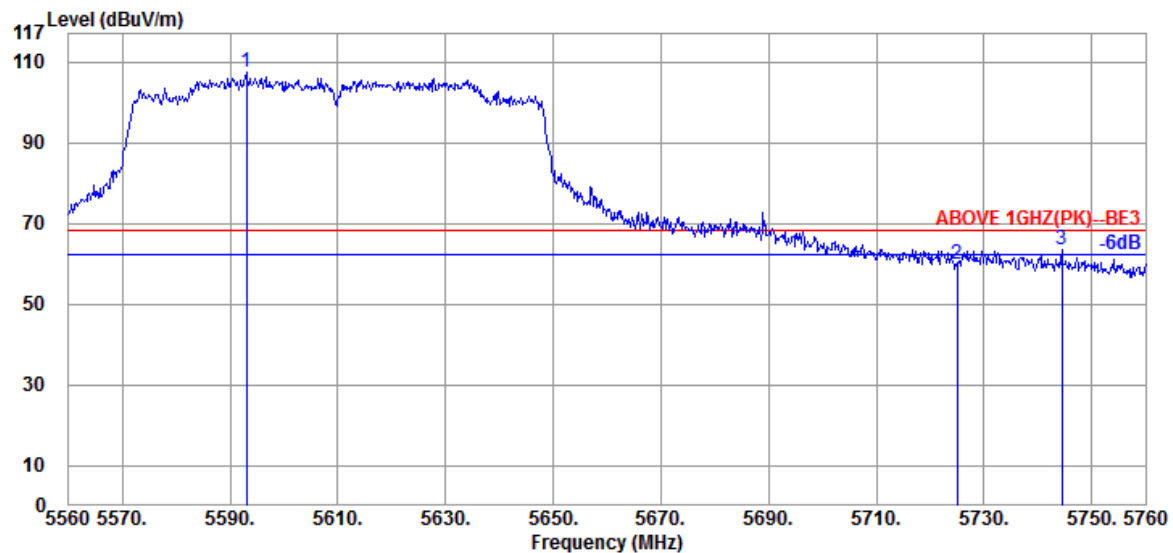
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Mode	802.11ac-VHT80	Band	NII-2C
		Frequency	TX 5610MHz



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
@ 5622.600	34.60	10.71	34.33	85.31	96.29	---	---	Peak
5725.000	34.80	10.84	34.37	41.50	52.77	68.20	15.43	Peak
5727.000	34.80	10.84	34.38	43.69	54.95	68.20	13.25	Peak



Antenna at Vertical Polarization

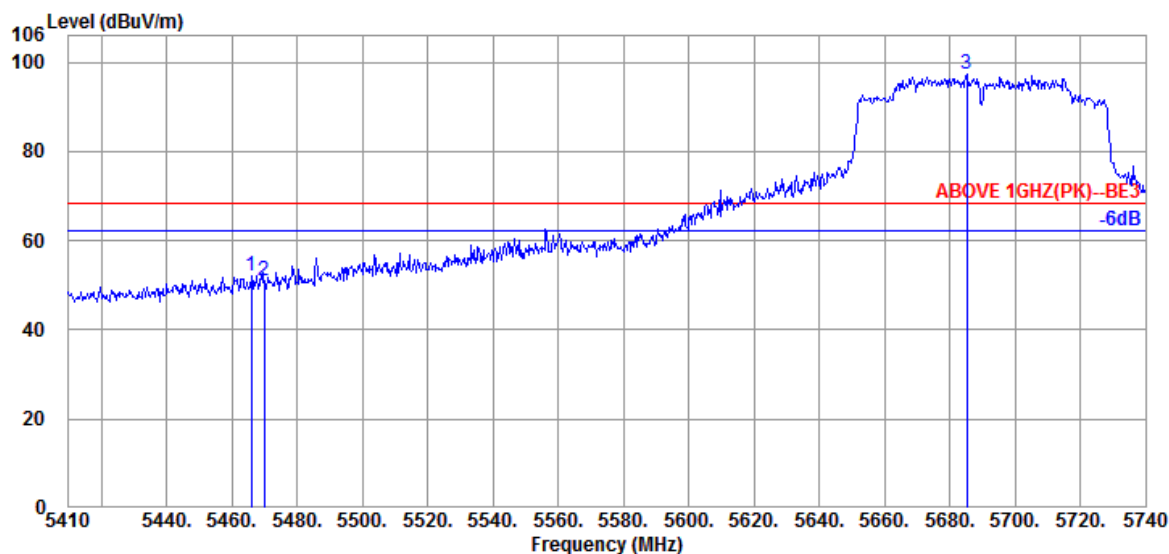
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5593.000	34.60	10.67	34.31	96.33	107.29	---	---	Peak
5725.000	34.80	10.84	34.37	48.74	60.01	68.20	8.19	Peak
5744.400	34.80	10.86	34.38	52.05	63.33	68.20	4.87	Peak

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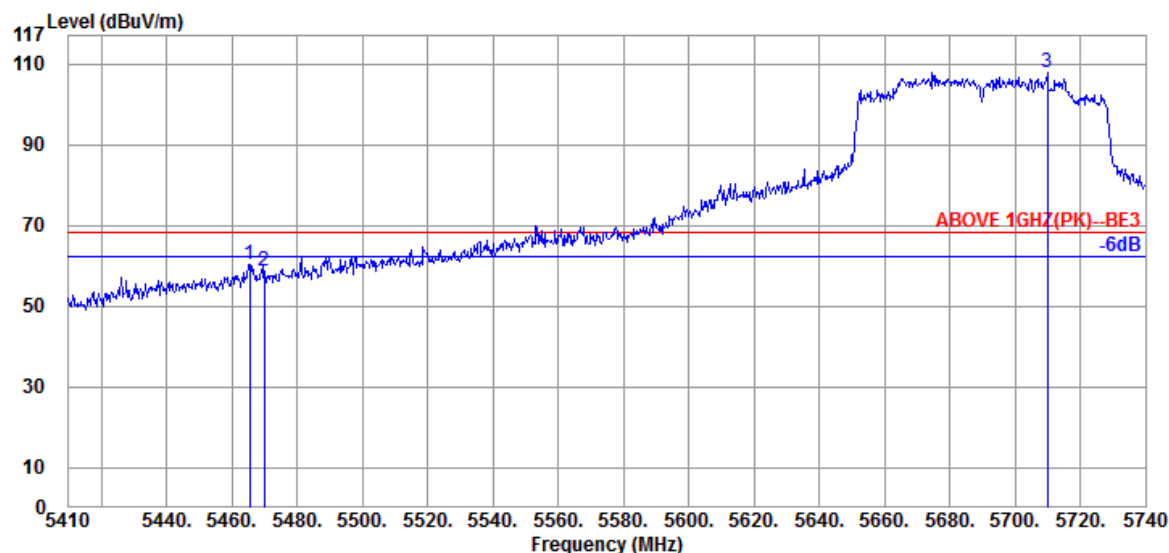
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Mode	802.11ac-VHT80	Band	NII-2C
		Frequency	TX 5690MHz



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
5466.100	34.67	10.54	34.28	41.28	52.21	68.20	15.99	Peak
5470.060	34.67	10.54	34.28	40.00	50.93	68.20	17.27	Peak
@ 5685.220	34.73	10.80	34.36	86.05	97.22	---	---	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
5465.440	34.67	10.54	34.28	49.37	60.30	68.20	7.90	Peak
5470.060	34.67	10.54	34.28	47.94	58.87	68.20	9.33	Peak
@ 5709.970	34.80	10.82	34.37	96.57	107.82	---	---	Peak

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

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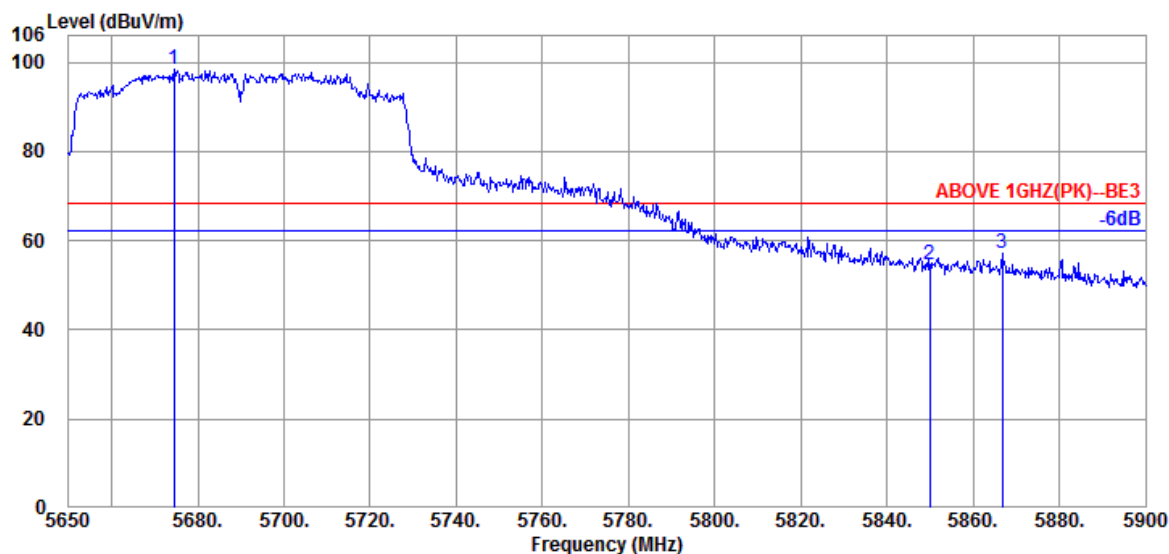
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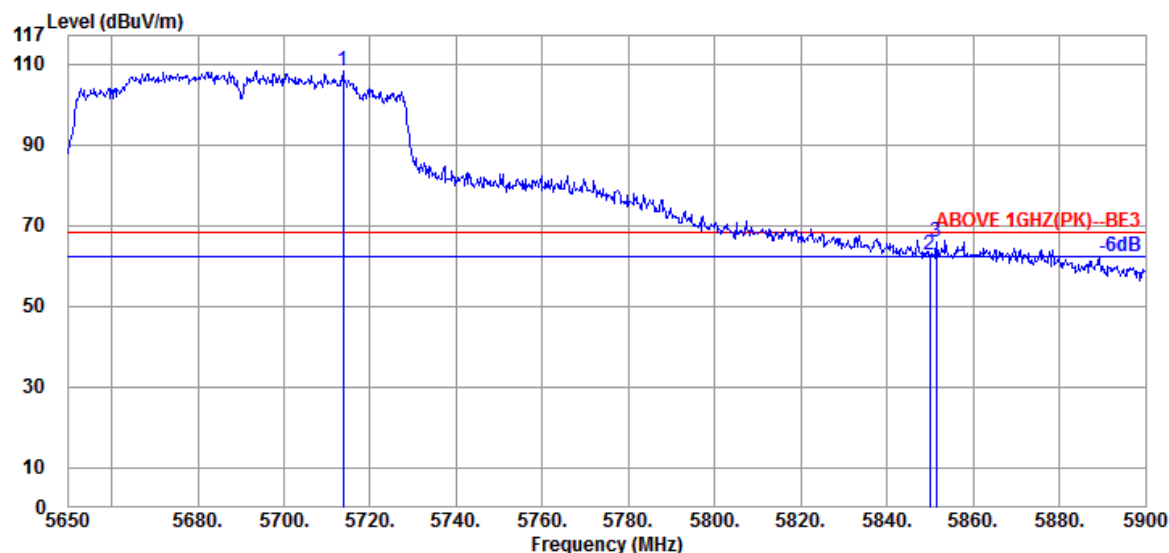
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Mode	802.11ac-VHT80	Band	NII-2C
		Frequency	TX 5690MHz



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
@ 5674.500	34.73	10.78	34.36	87.10	98.25	---	---	Peak
5850.000	35.40	10.99	34.43	42.65	54.61	68.20	13.59	Peak
5866.750	35.40	11.02	34.44	45.26	57.24	68.20	10.96	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
@ 5713.750	34.80	10.82	34.37	97.10	108.35	---	---	Peak
5850.000	35.40	10.99	34.43	50.77	62.73	68.20	5.47	Peak
5851.500	35.40	10.99	34.43	53.99	65.95	68.20	2.25	Peak

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

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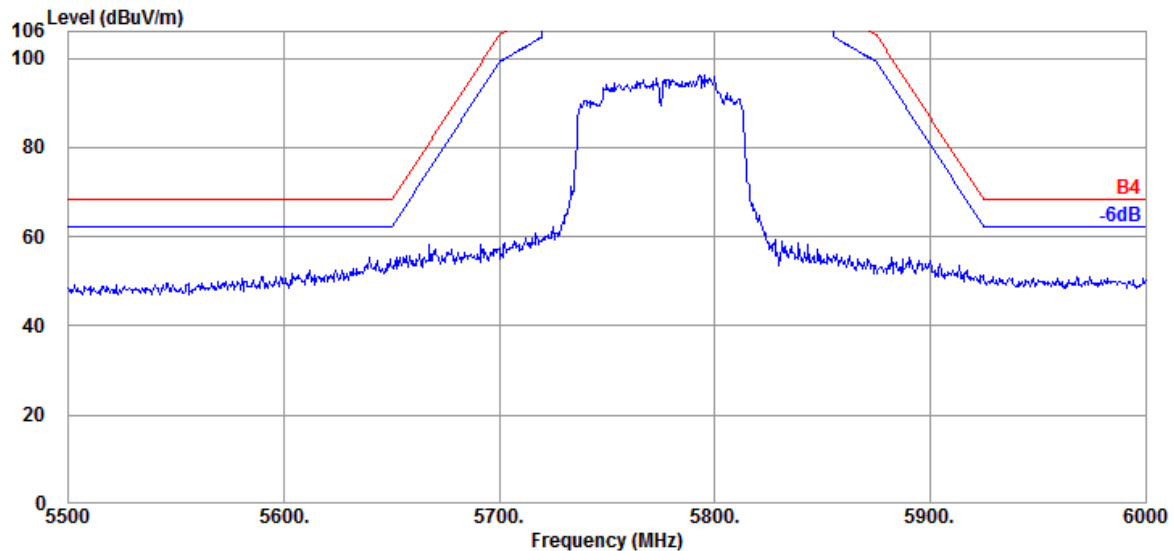
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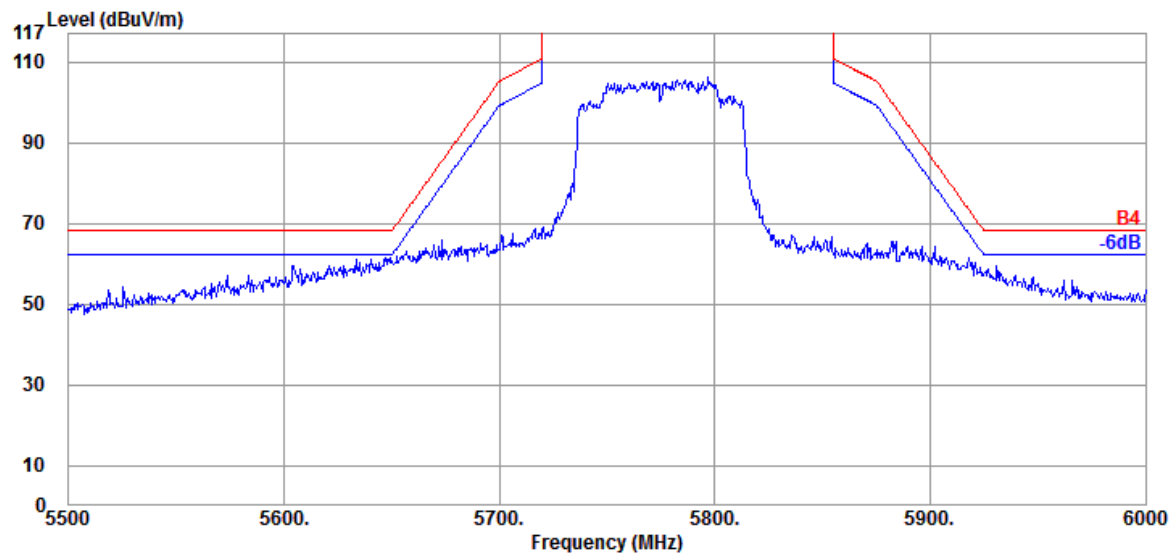
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Mode	802.11ac-VHT80	Band	NII-III
		Frequency	TX 5775MHz

Antenna at Horizontal Polarization



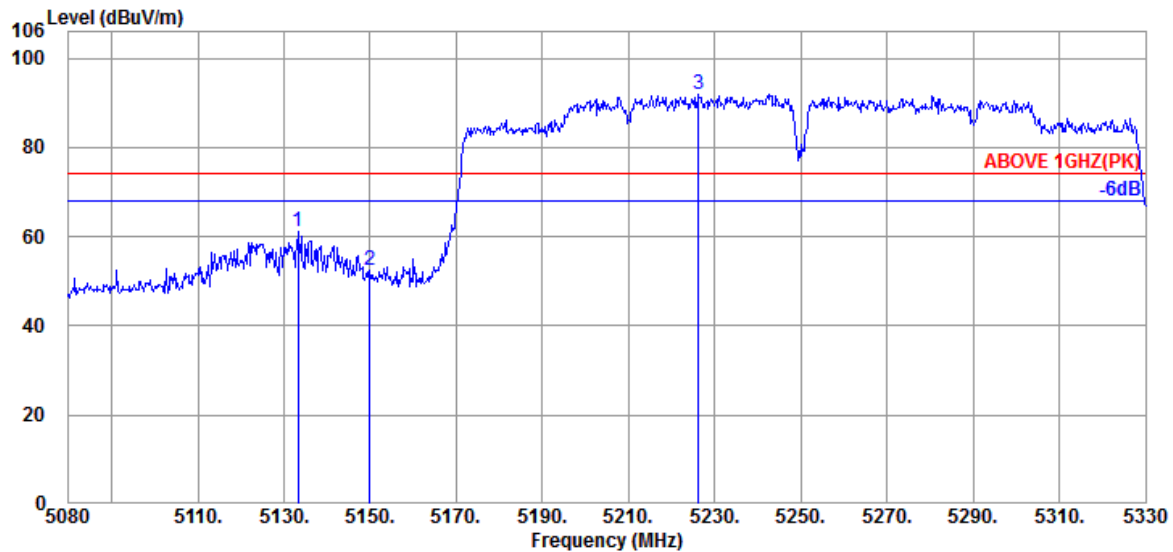
Antenna at Vertical Polarization



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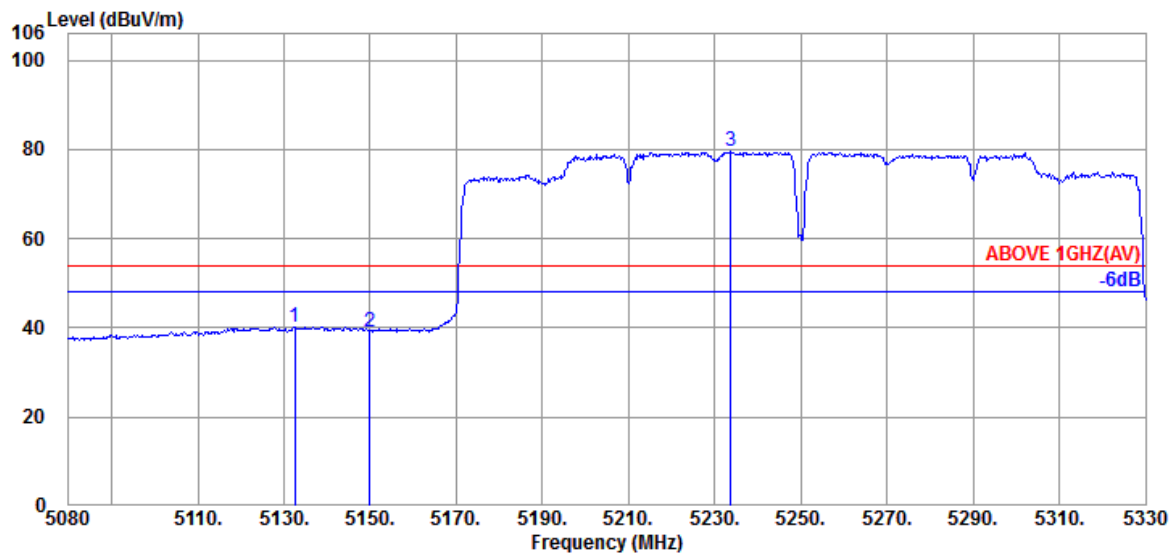
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Mode	802.11ac-VH160	Band	NII-I &NII-2A
		Frequency	TX 5250MHz



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
5133.250	34.37	10.35	34.39	50.77	61.10	74.00	12.90	Peak
5150.000	34.40	10.36	34.38	41.91	52.29	74.00	21.71	Peak
@ 5226.250	34.50	10.41	34.35	81.43	91.99	---	---	Peak



Antenna at Horizontal Polarization

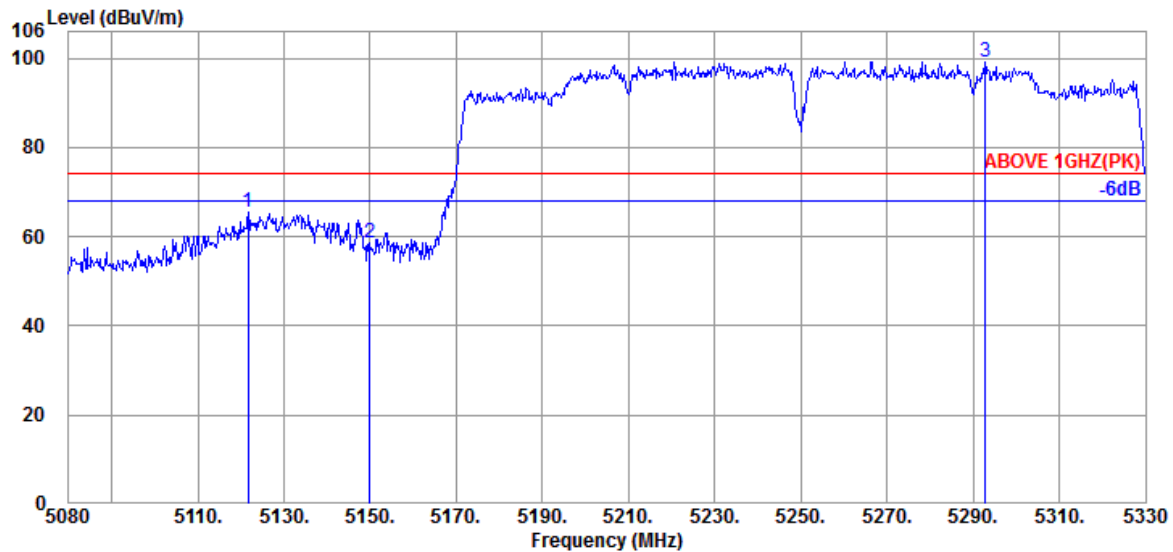
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5132.500	34.37	10.35	34.39	30.01	40.34	54.00	13.66	Average
5150.000	34.40	10.36	34.38	28.83	39.21	54.00	14.79	Average
@ 5233.750	34.50	10.41	34.35	68.85	79.41	---	---	Average

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

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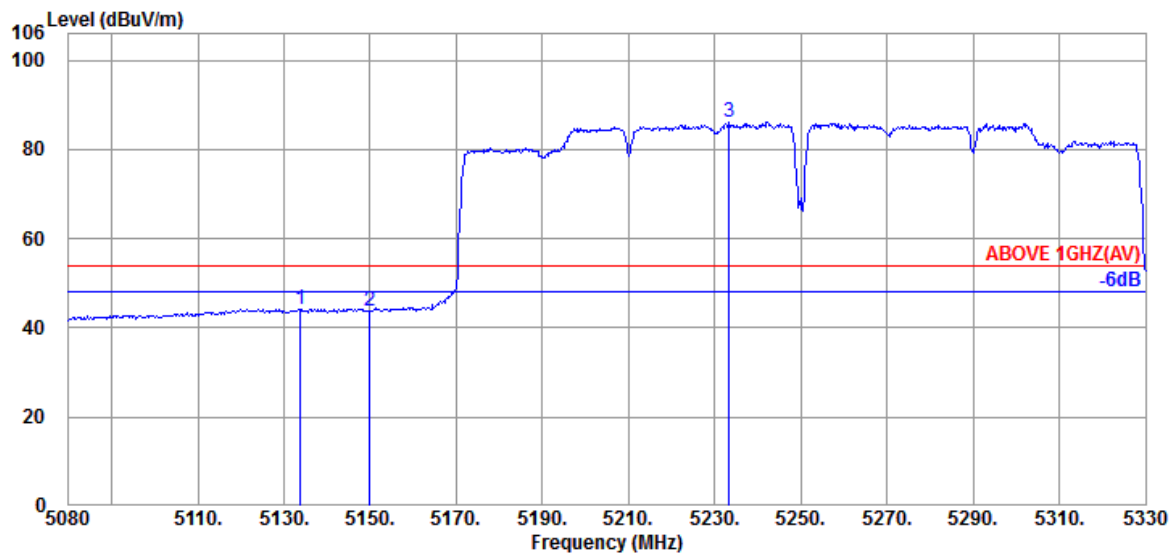
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Mode	802.11ac-VH160	Band	NII-I &NII-2A
		Frequency	TX 5250MHz



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
5121.750	34.33	10.35	34.39	55.06	65.35	74.00	8.65	Peak
5150.000	34.40	10.36	34.38	48.09	58.47	74.00	15.53	Peak
@ 5292.750	34.60	10.45	34.34	88.43	99.14	---	---	Peak



Antenna at Vertical Polarization

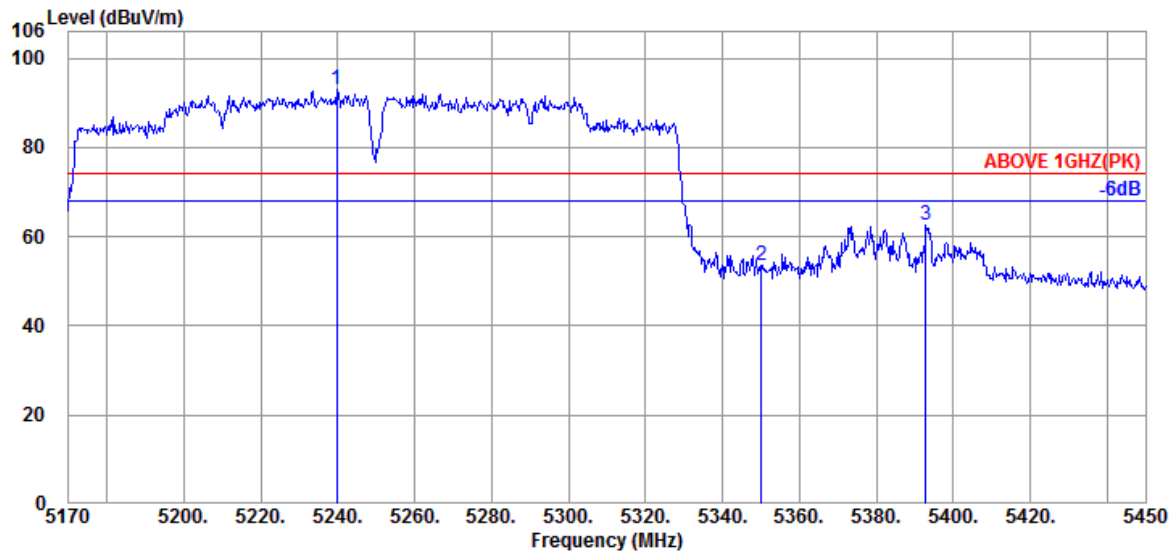
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5133.750	34.37	10.35	34.39	33.96	44.29	54.00	9.71	Average
5150.000	34.40	10.36	34.38	33.53	43.91	54.00	10.09	Average
@ 5233.250	34.50	10.41	34.35	75.45	86.01	---	---	Average

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

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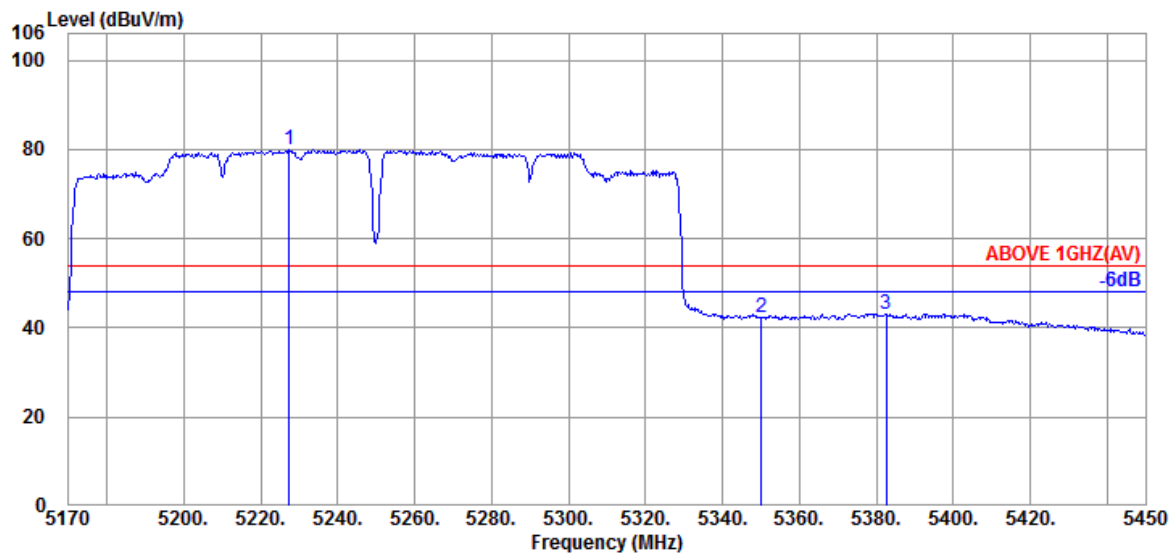
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Mode	802.11ac-VH160	Band	NII-I & NII-2A
		Frequency	TX 5250MHz



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
@	5239.720	34.50	10.41	34.35	82.54	93.10	---	---	Peak
	5350.040	34.60	10.48	34.31	42.83	53.60	74.00	20.40	Peak
	5392.880	34.60	10.49	34.30	51.75	62.54	74.00	11.46	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
@	5227.400	34.50	10.41	34.35	69.29	79.85	---	---	Average
	5350.040	34.60	10.48	34.31	31.70	42.47	54.00	11.53	Average
	5382.520	34.60	10.49	34.30	32.40	43.19	54.00	10.81	Average

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

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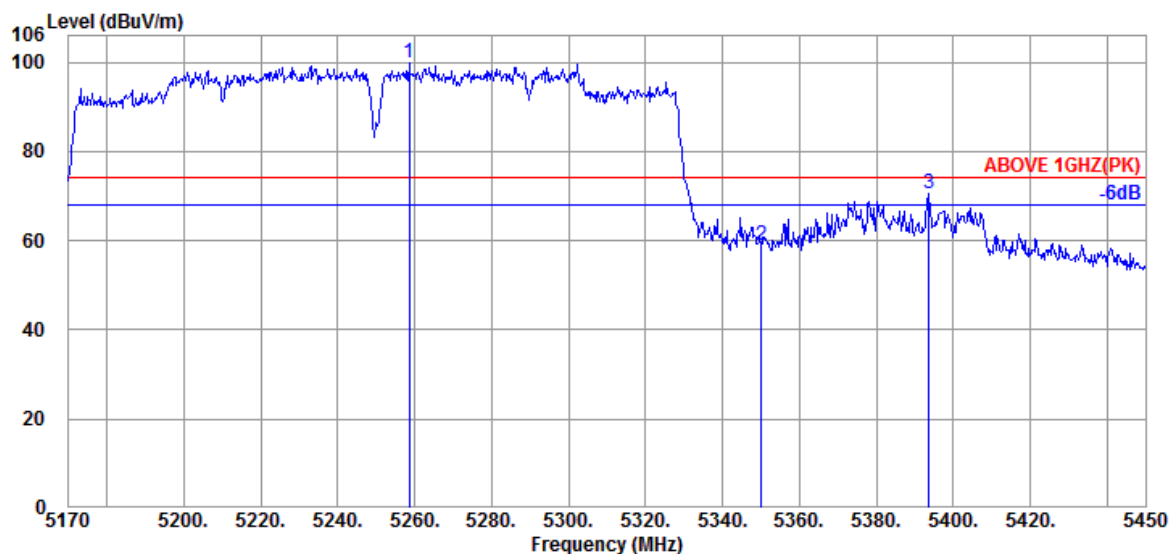
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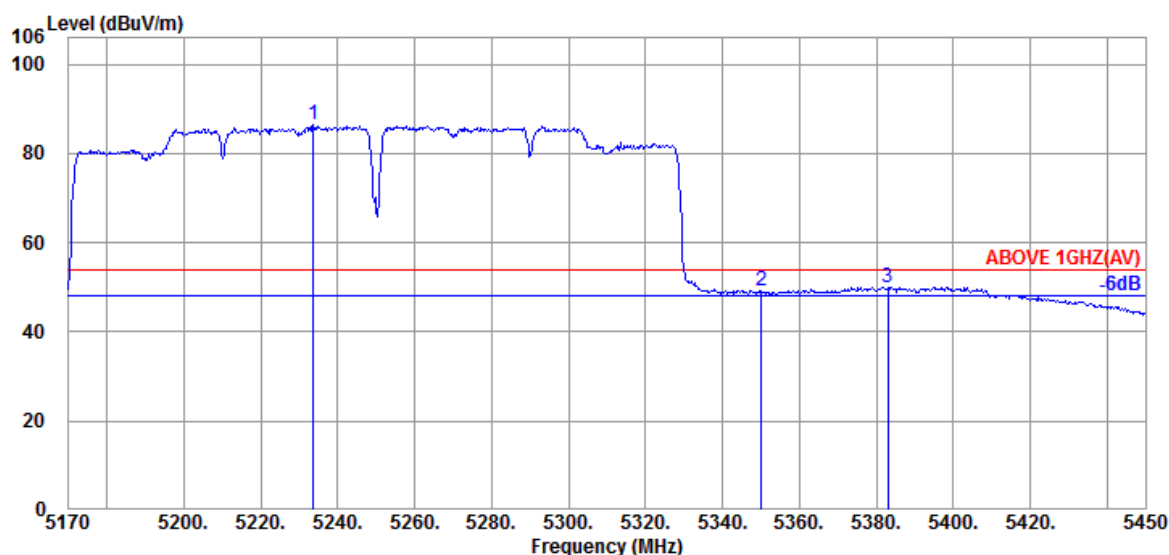
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Mode	802.11ac-VH160	Band	NII-I &NII-2A
		Frequency	TX 5250MHz



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
@ 5258.480	34.50	10.42	34.35	89.26	99.83	---	---	Peak
5350.040	34.60	10.48	34.31	48.05	58.82	74.00	15.18	Peak
5393.720	34.60	10.49	34.30	59.92	70.71	74.00	3.29	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
@ 5233.560	34.50	10.41	34.35	75.80	86.36	---	---	Average
5350.040	34.60	10.48	34.31	38.43	49.20	54.00	4.80	Average
5383.080	34.60	10.49	34.30	39.27	50.06	54.00	3.94	Average

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

File Number: CIM2009193

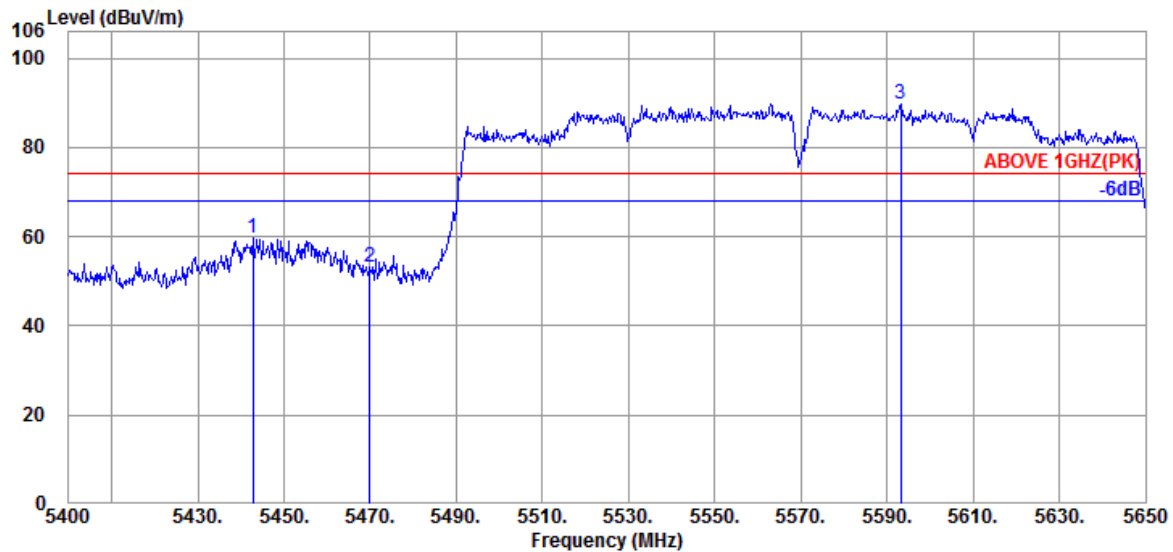
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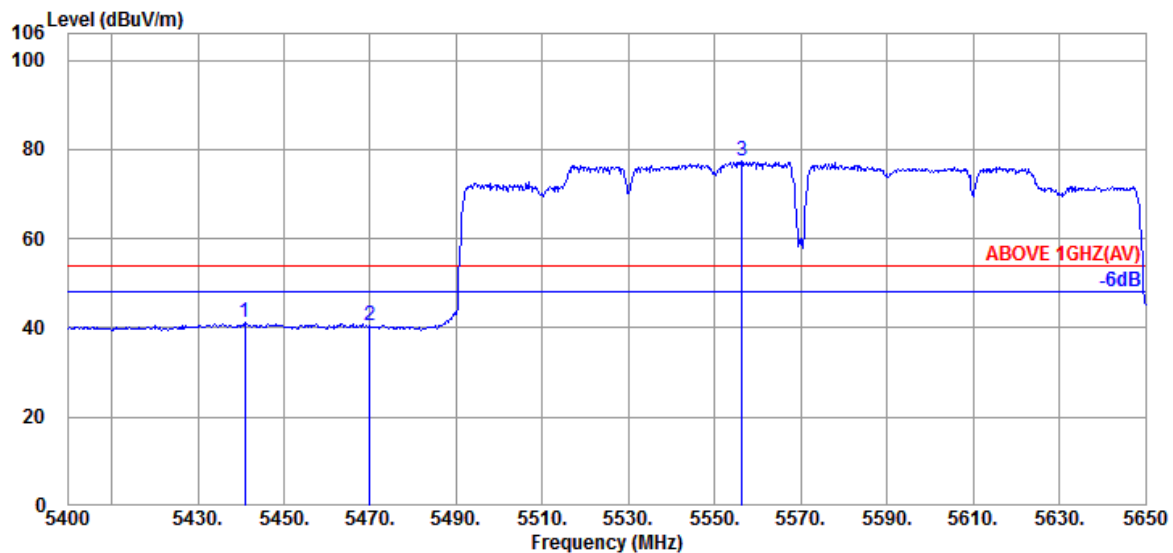
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Mode	802.11ac-VHT160	Band	NII-2C
		Frequency	TX 5570MHz



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
5442.750	34.67	10.52	34.29	48.74	59.64	74.00	14.36	Peak
5470.000	34.67	10.54	34.28	42.28	53.21	74.00	20.79	Peak
@ 5593.250	34.60	10.67	34.31	78.82	89.78	---	---	Peak



Antenna at Horizontal Polarization

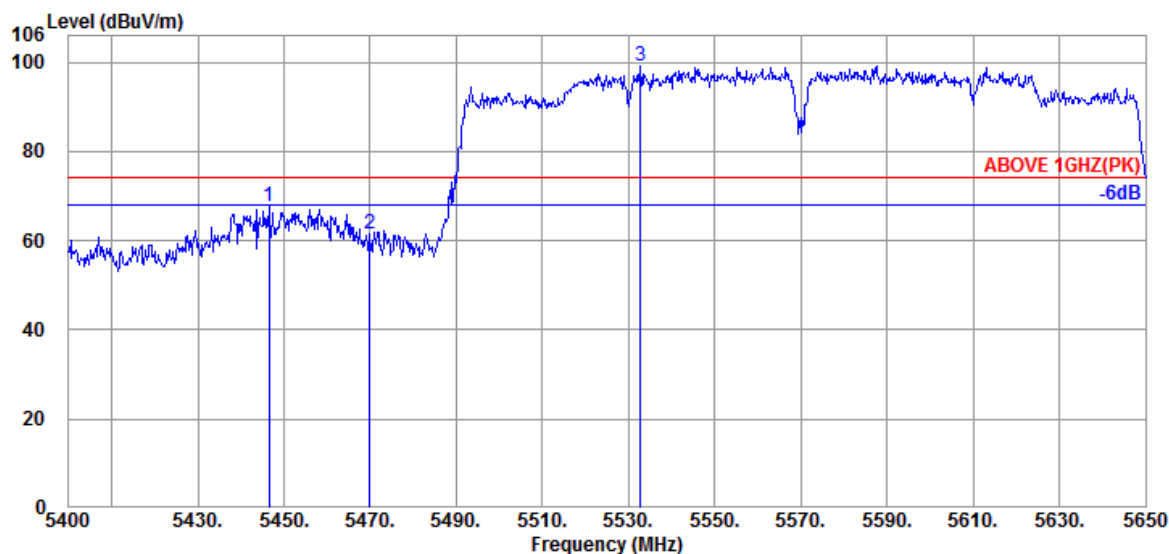
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5441.000	34.67	10.52	34.29	30.25	41.15	54.00	12.85	Average
5470.000	34.67	10.54	34.28	29.58	40.51	54.00	13.49	Average
@ 5556.250	34.60	10.63	34.30	66.41	77.34	---	---	Average

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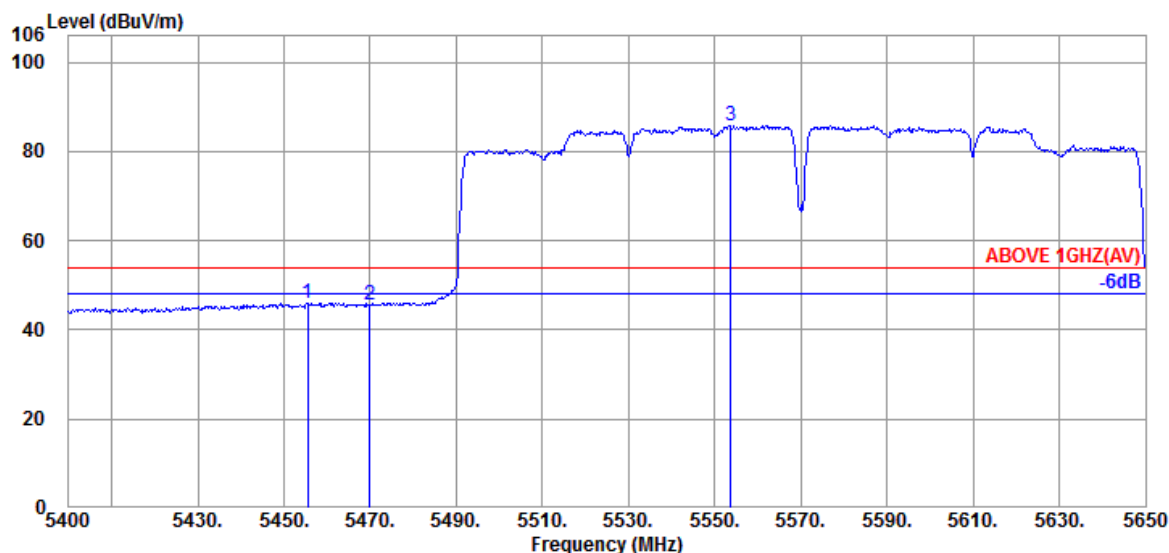
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Mode	802.11ac-VHT160	Band	NII-2C
		Frequency	TX 5570MHz



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
5446.500	34.67	10.53	34.29	56.63	67.54	74.00	6.46	Peak
5470.000	34.67	10.54	34.28	50.62	61.55	74.00	12.45	Peak
@ 5532.750	34.60	10.60	34.29	88.29	99.20	---	---	Peak



Antenna at Vertical Polarization

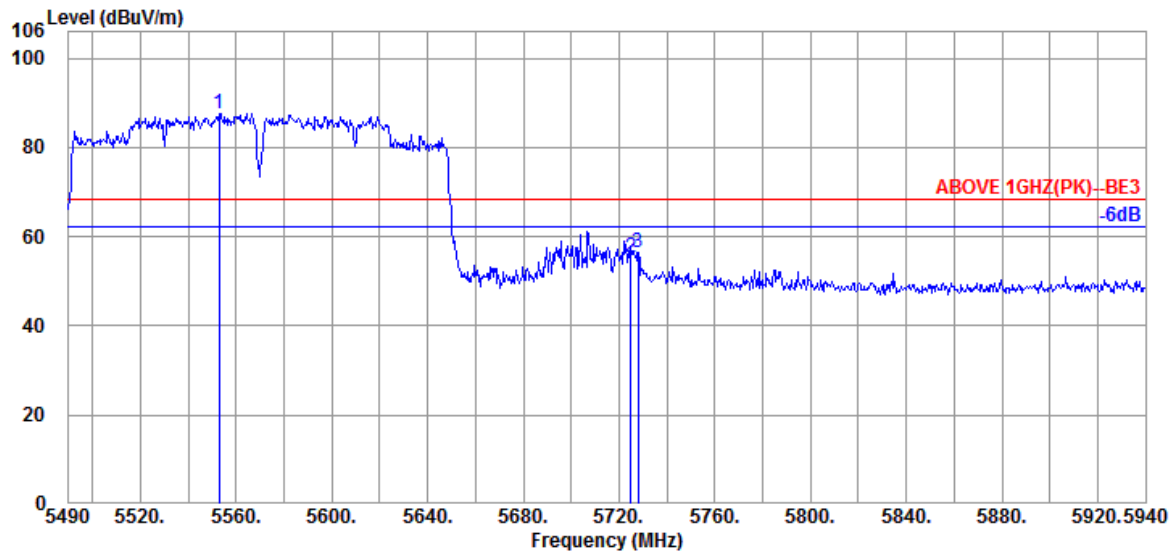
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5455.500	34.70	10.53	34.28	35.12	46.07	54.00	7.93	Average
5470.000	34.67	10.54	34.28	34.83	45.76	54.00	8.24	Average
@ 5553.750	34.60	10.63	34.30	74.98	85.91	---	---	Average

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

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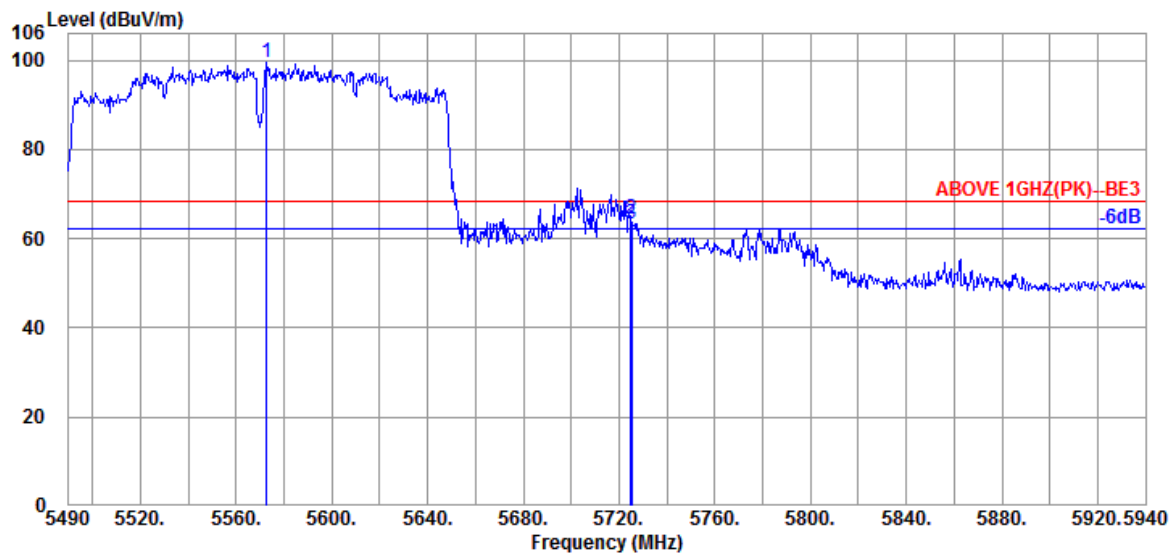
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Mode	802.11ac-VH160	Band	NII-2C
		Frequency	TX 5570MHz



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
@ 5553.000	34.60	10.63	34.30	76.77	87.70	---	---	Peak
5724.900	34.80	10.84	34.37	44.22	55.49	68.20	12.71	Peak
5728.050	34.80	10.84	34.38	45.33	56.59	68.20	11.61	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
@ 5572.800	34.60	10.65	34.30	88.69	99.64	---	---	Peak
5724.900	34.80	10.84	34.37	53.26	64.53	68.20	3.67	Peak
5725.350	34.80	10.84	34.37	52.12	63.39	68.20	4.81	Peak

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

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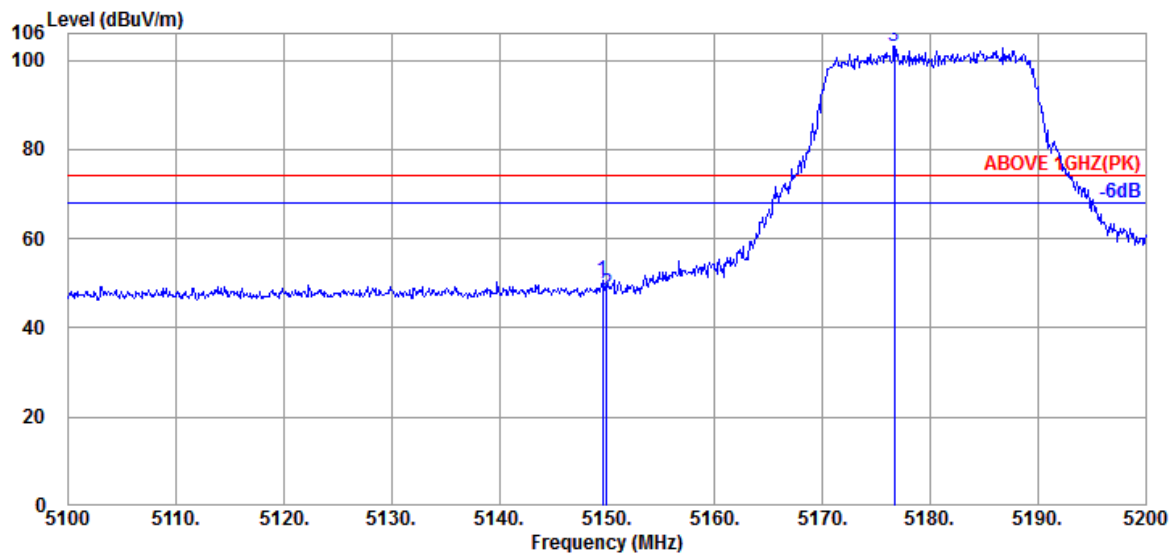
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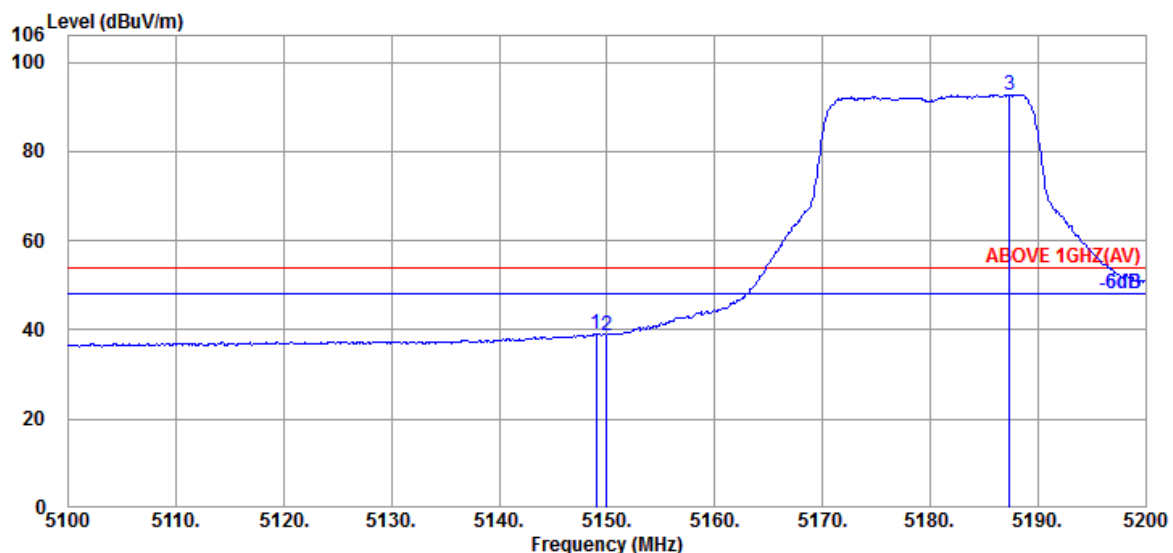
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Mode	802.11ax-HE20	Band	NII-I
		Frequency	TX 5180MHz



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
5149.600	34.40	10.36	34.38	40.16	50.54	74.00	23.46	Peak
5150.000	34.40	10.36	34.38	37.42	47.80	74.00	26.20	Peak
@ 5176.700	34.47	10.38	34.37	92.60	103.08	---	---	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
5149.000	34.40	10.36	34.38	28.82	39.20	54.00	14.80	Average
5150.000	34.40	10.36	34.38	28.47	38.85	54.00	15.15	Average
@ 5187.400	34.50	10.38	34.37	82.14	92.65	---	---	Average

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

File Number: CIM2009193

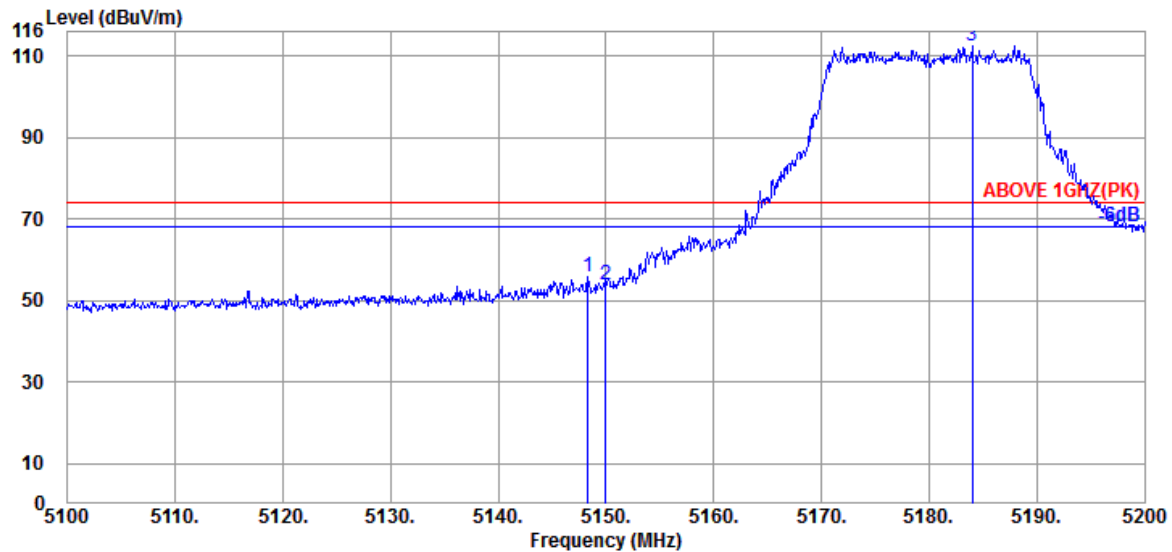
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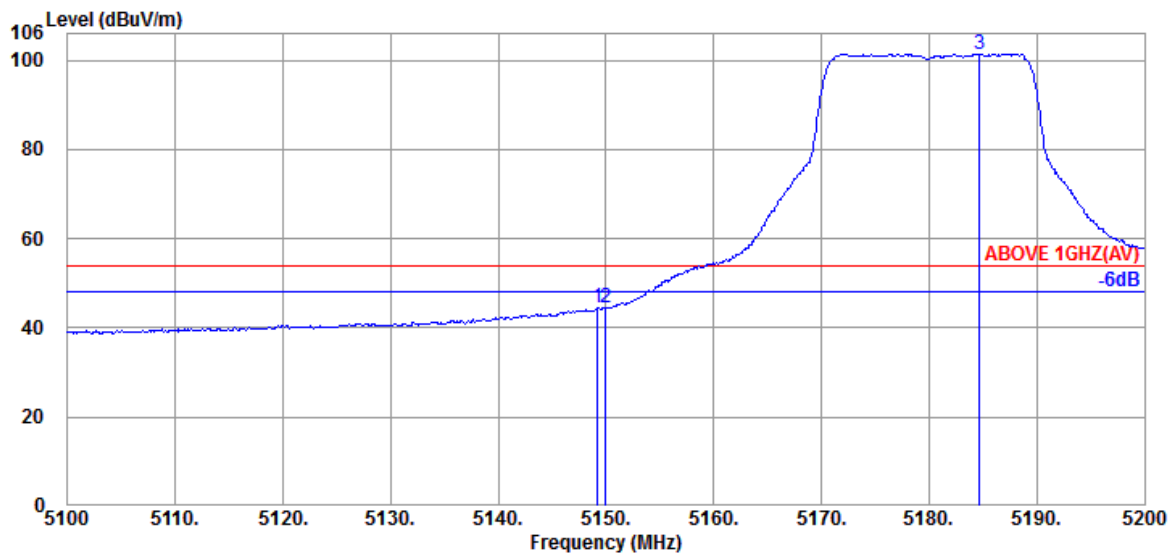
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Mode	802.11ax-HE20	Band	NII-I
		Frequency	TX 5180MHz



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
5148.300	34.40	10.36	34.38	45.40	55.78	74.00	18.22	Peak
5150.000	34.40	10.36	34.38	43.65	54.03	74.00	19.97	Peak
@ 5184.000	34.47	10.38	34.37	102.05	112.53	---	---	Peak



Antenna at Vertical Polarization

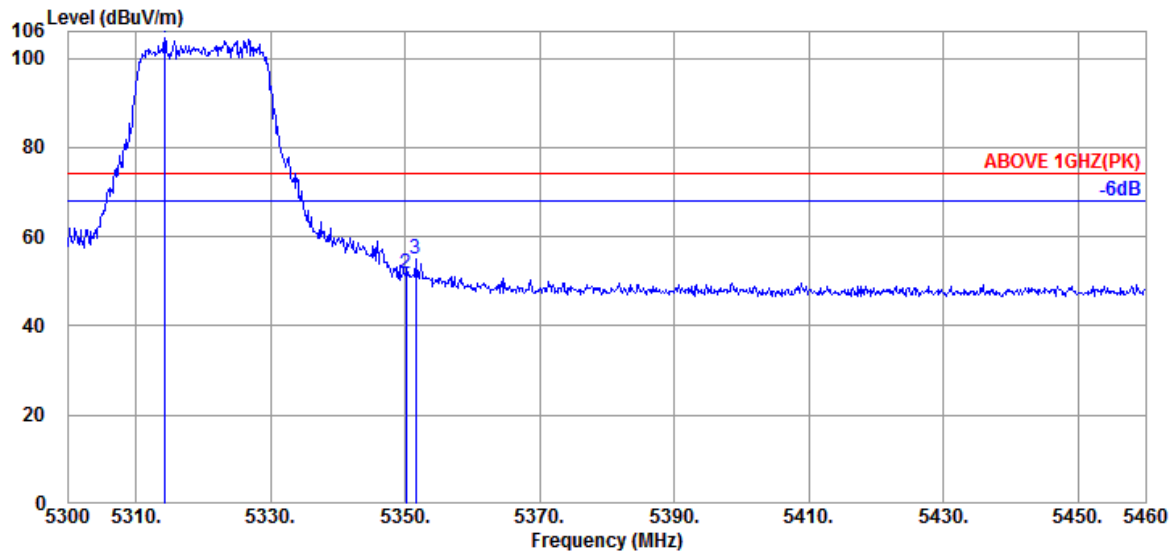
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5149.200	34.40	10.36	34.38	34.09	44.47	54.00	9.53	Average
5150.000	34.40	10.36	34.38	34.16	44.54	54.00	9.46	Average
@ 5184.700	34.47	10.38	34.37	90.98	101.46	---	---	Average

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

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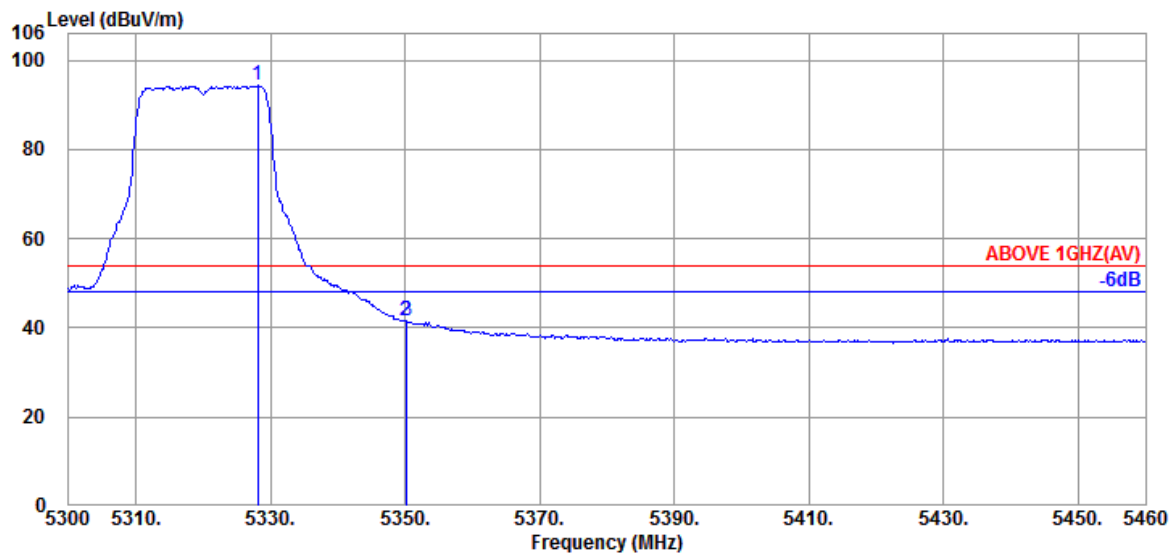
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Mode	802.11ax-HE20	Band	NII-2A
		Frequency	TX 5320MHz



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
@ 5314.240	34.60	10.46	34.33	93.95	104.68	---	---	Peak
5350.080	34.60	10.48	34.31	41.09	51.86	74.00	22.14	Peak
5351.520	34.60	10.48	34.31	44.11	54.88	74.00	19.12	Peak



Antenna at Horizontal Polarization

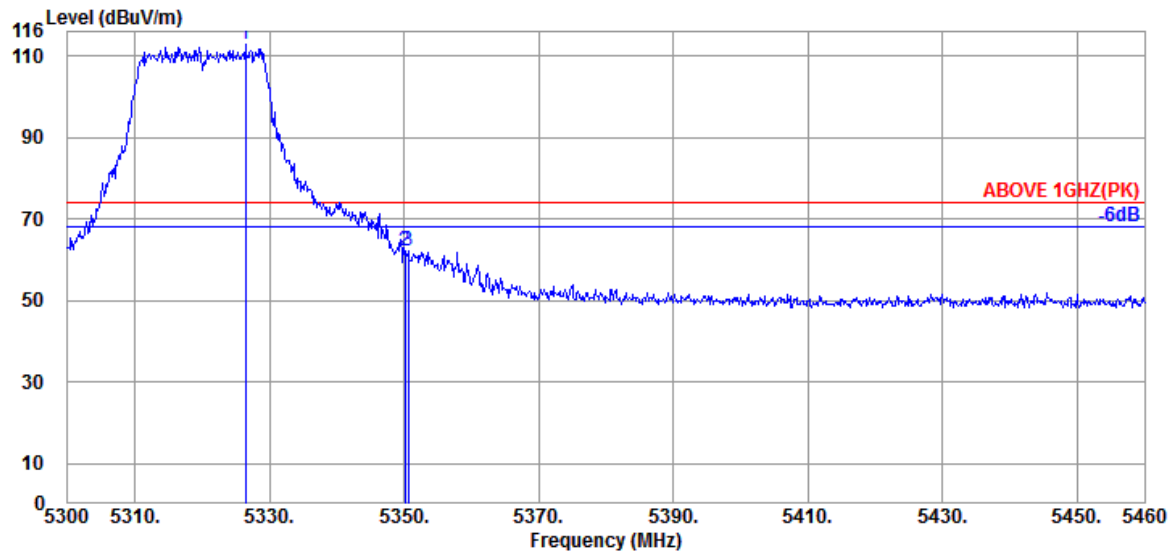
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5328.160	34.60	10.47	34.32	83.65	94.40	---	---	Average
5350.080	34.60	10.48	34.31	30.79	41.56	54.00	12.44	Average
5350.240	34.60	10.48	34.31	30.77	41.54	54.00	12.46	Average

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

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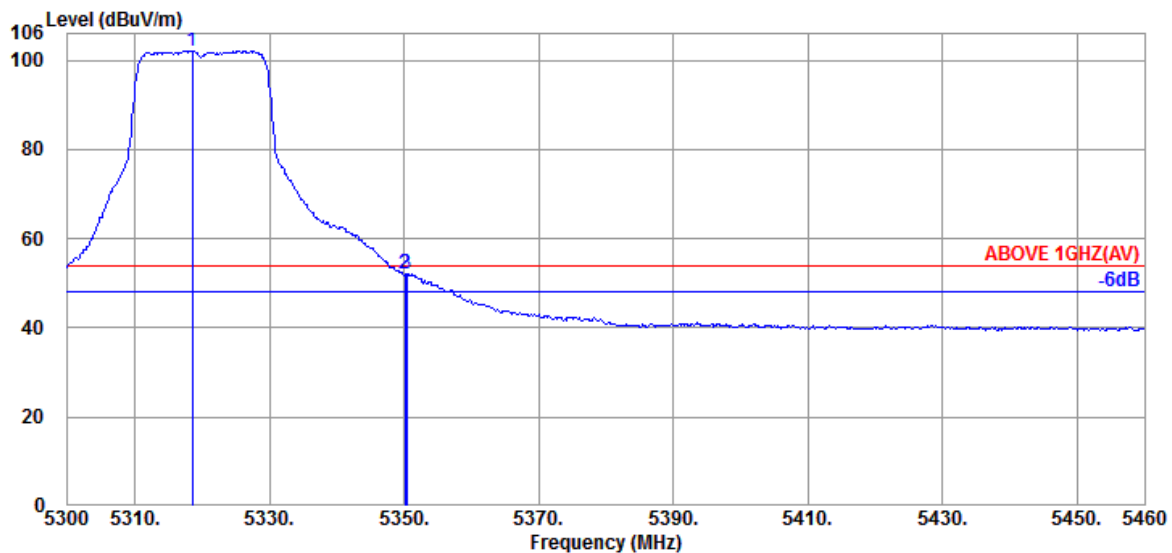
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Mode	802.11ax-HE20	Band	NII-2A
		Frequency	TX 5320MHz



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
@ 5326.400	34.60	10.46	34.33	102.00	112.73	---	---	Peak
5350.080	34.60	10.48	34.31	51.53	62.30	74.00	11.70	Peak
5350.560	34.60	10.48	34.31	51.21	61.98	74.00	12.02	Peak



Antenna at Vertical Polarization

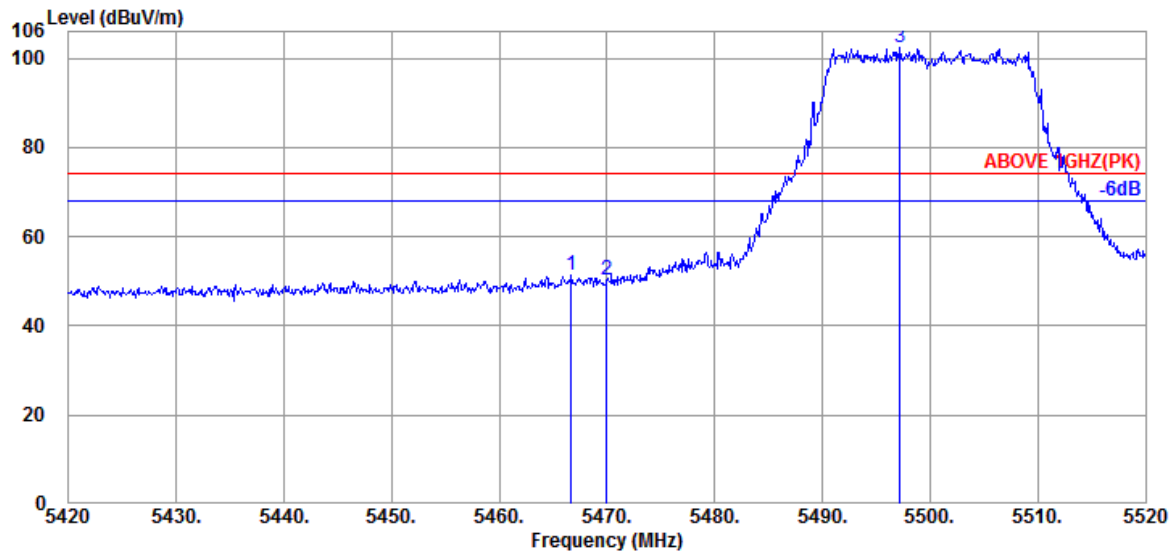
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@ 5318.560	34.60	10.46	34.33	91.38	102.11	---	---	Average
5350.080	34.60	10.48	34.31	41.27	52.04	54.00	1.96	Average
5350.400	34.60	10.48	34.31	41.41	52.18	54.00	1.82	Average

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

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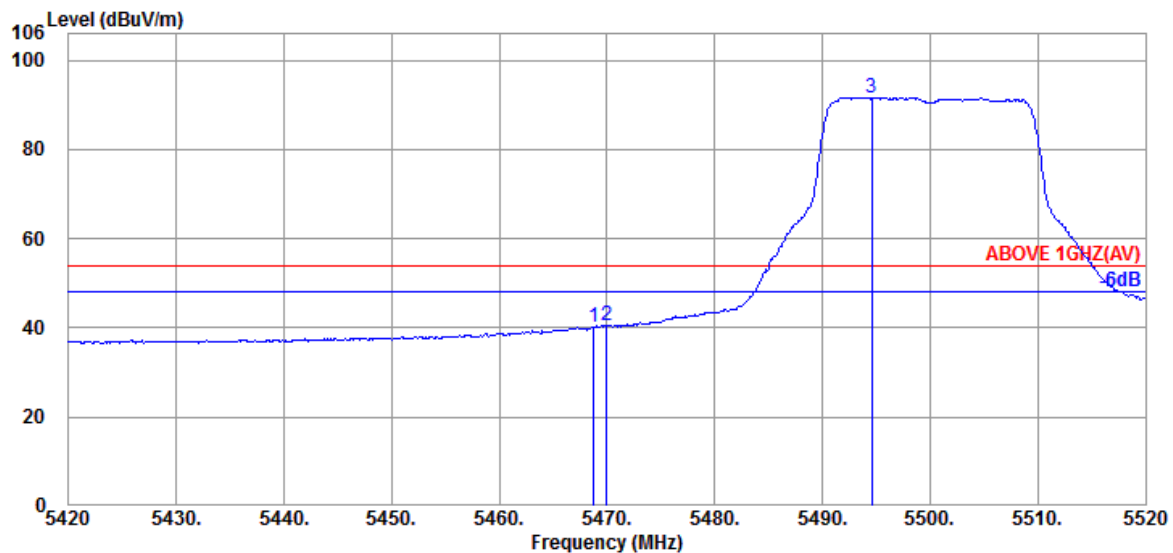
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Mode	802.11ax-HE20	Band	NII-2C
		Frequency	TX 5500MHz



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
5466.700	34.67	10.54	34.28	40.38	51.31	74.00	22.69	Peak
5470.000	34.67	10.54	34.28	39.22	50.15	74.00	23.85	Peak
@ 5497.200	34.60	10.56	34.27	91.56	102.45	---	---	Peak



Antenna at Vertical Polarization

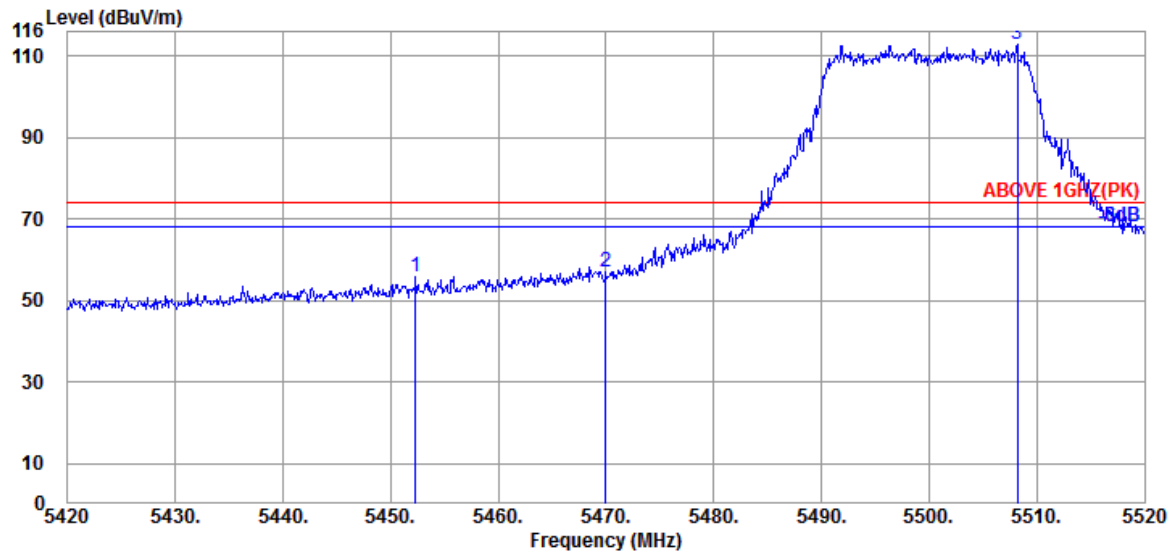
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5468.800	34.67	10.54	34.28	29.24	40.17	54.00	13.83	Average
5470.000	34.67	10.54	34.28	29.45	40.38	54.00	13.62	Average
@ 5494.600	34.63	10.55	34.27	80.78	91.69	---	---	Average

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

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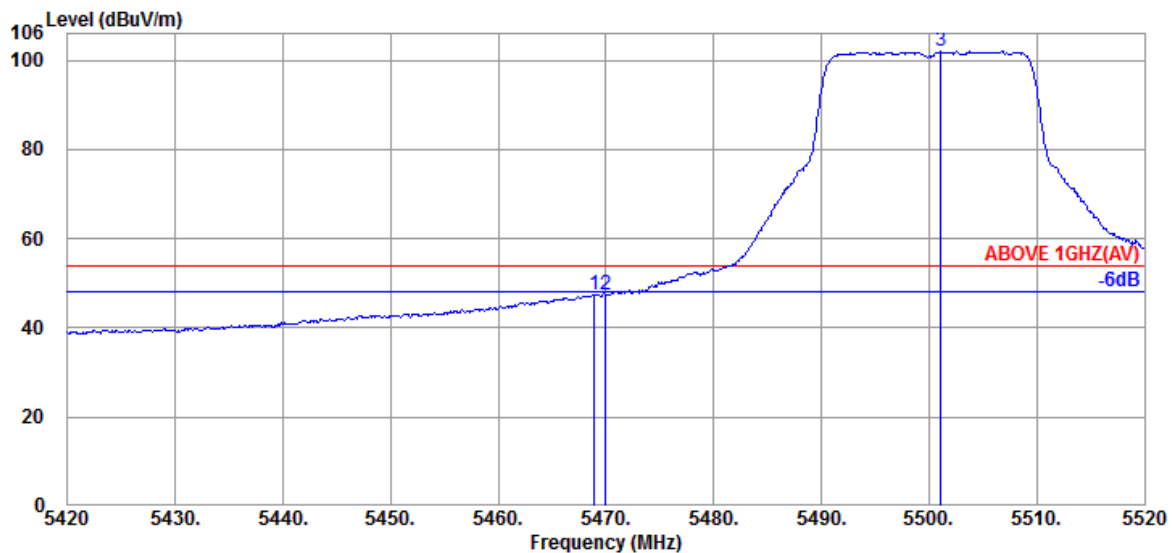
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Mode	802.11ax-HE20	Band	NII-2C
		Frequency	TX 5500MHz



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
5452.300	34.70	10.53	34.28	44.83	55.78	74.00	18.22	Peak
5470.000	34.67	10.54	34.28	46.22	57.15	74.00	16.85	Peak
@ 5508.200	34.60	10.56	34.28	101.77	112.65	---	---	Peak



Antenna at Vertical Polarization

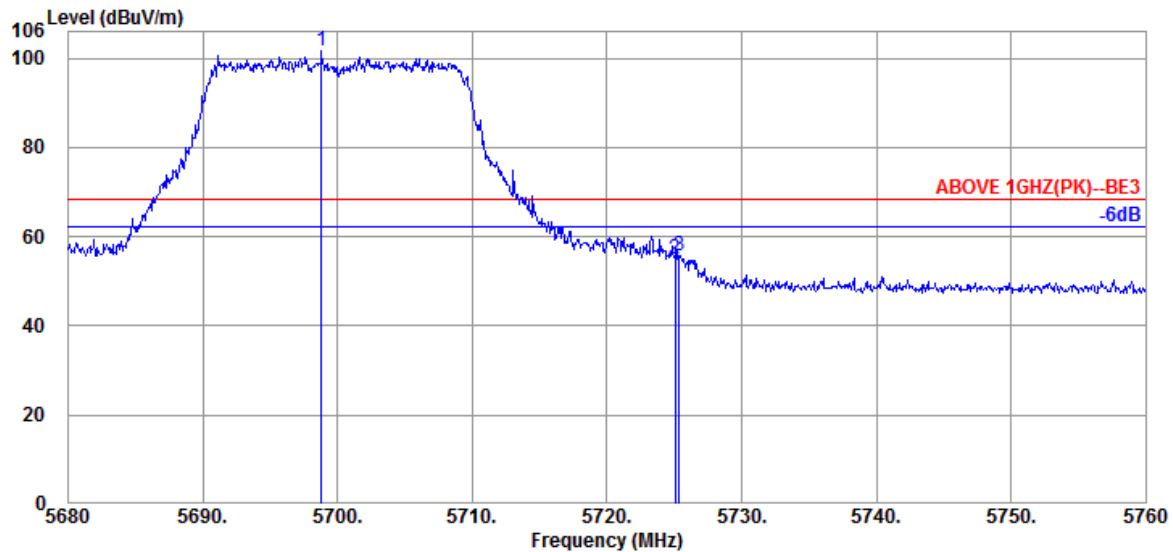
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5468.900	34.67	10.54	34.28	36.51	47.44	54.00	6.56	Average
5470.000	34.67	10.54	34.28	36.59	47.52	54.00	6.48	Average
@ 5501.100	34.60	10.56	34.27	91.06	101.95	---	---	Average

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

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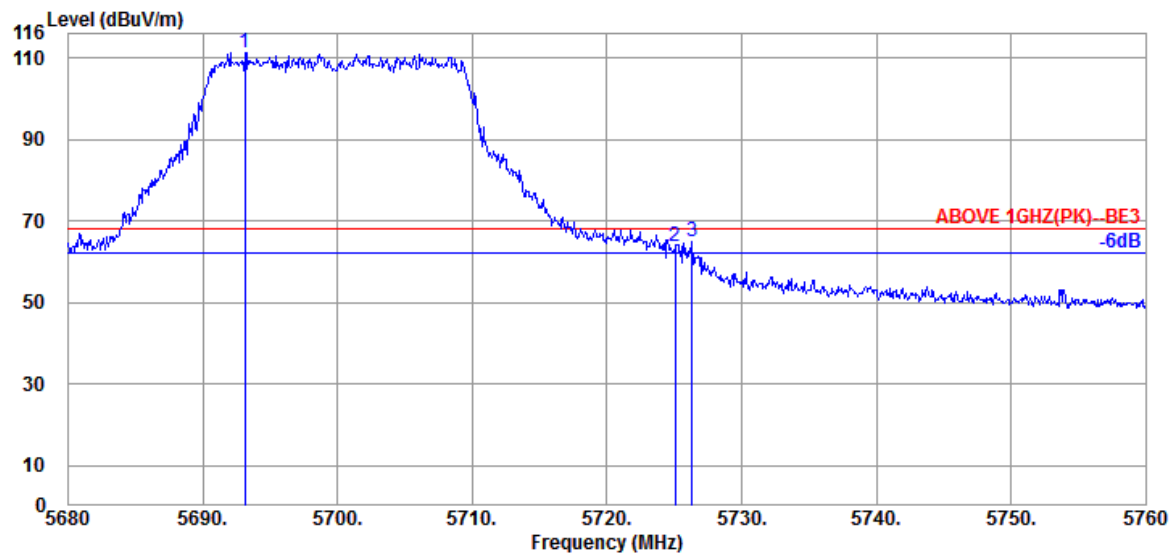
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Fax: +886 2 26099303

Mode	802.11ax-HE20	Band	NII-2C
		Frequency	TX 5700MHz



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
@ 5698.800	34.80	10.80	34.36	90.27	101.51	---	---	Peak
5725.040	34.80	10.84	34.37	43.73	55.00	68.20	13.20	Peak
5725.360	34.80	10.84	34.37	44.44	55.71	68.20	12.49	Peak



Antenna at Vertical Polarization

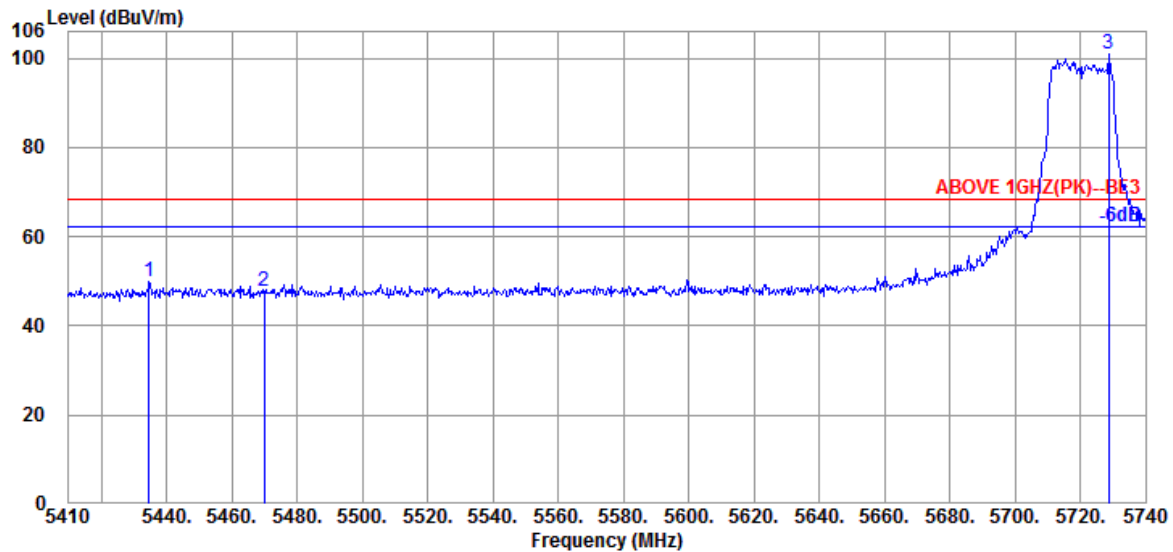
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5693.120	34.80	10.80	34.36	100.06	111.30	---	---	Peak
5725.040	34.80	10.84	34.37	52.35	63.62	68.20	4.58	Peak
5726.320	34.80	10.84	34.37	53.56	64.83	68.20	3.37	Peak

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

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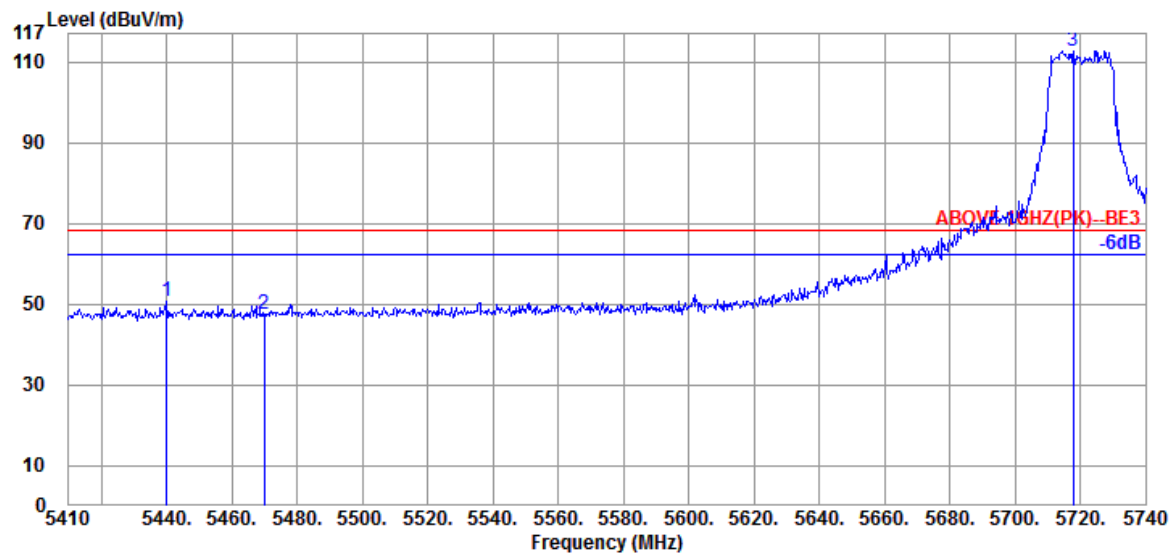
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Mode	802.11ax-HE20	Band	NII-2C
		Frequency	TX 5720MHz



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
5434.750	34.67	10.52	34.29	39.09	49.99	68.20	18.21	Peak
5470.060	34.67	10.54	34.28	36.75	47.68	68.20	20.52	Peak
@ 5728.780	34.80	10.84	34.38	89.59	100.85	---	---	Peak



Antenna at Vertical Polarization

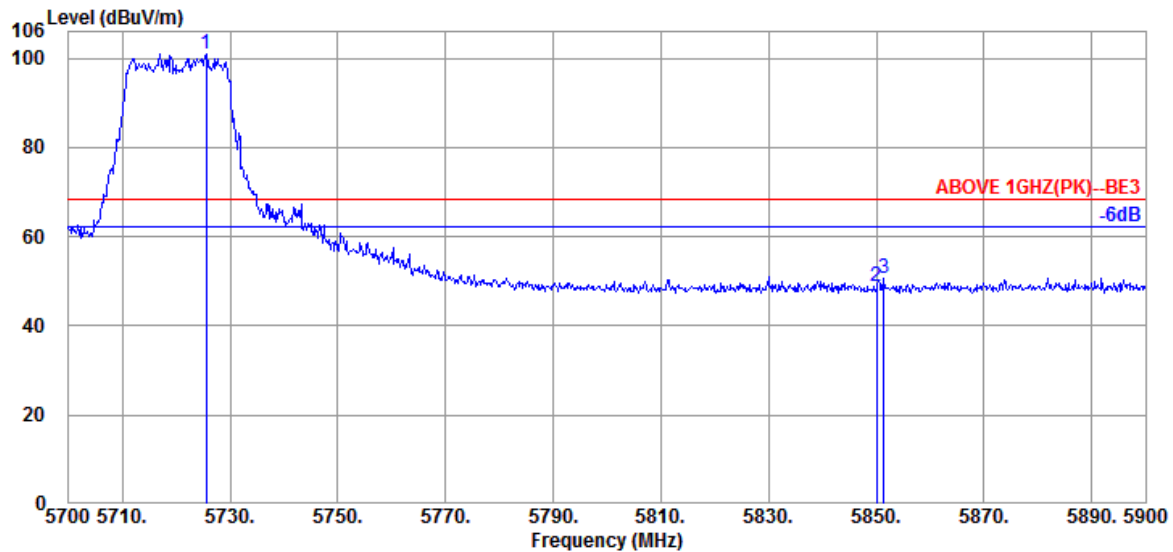
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5440.030	34.67	10.52	34.29	39.83	50.73	68.20	17.47	Peak
5470.060	34.67	10.54	34.28	36.70	47.63	68.20	20.57	Peak
@ 5717.890	34.80	10.84	34.37	101.45	112.72	---	---	Peak

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

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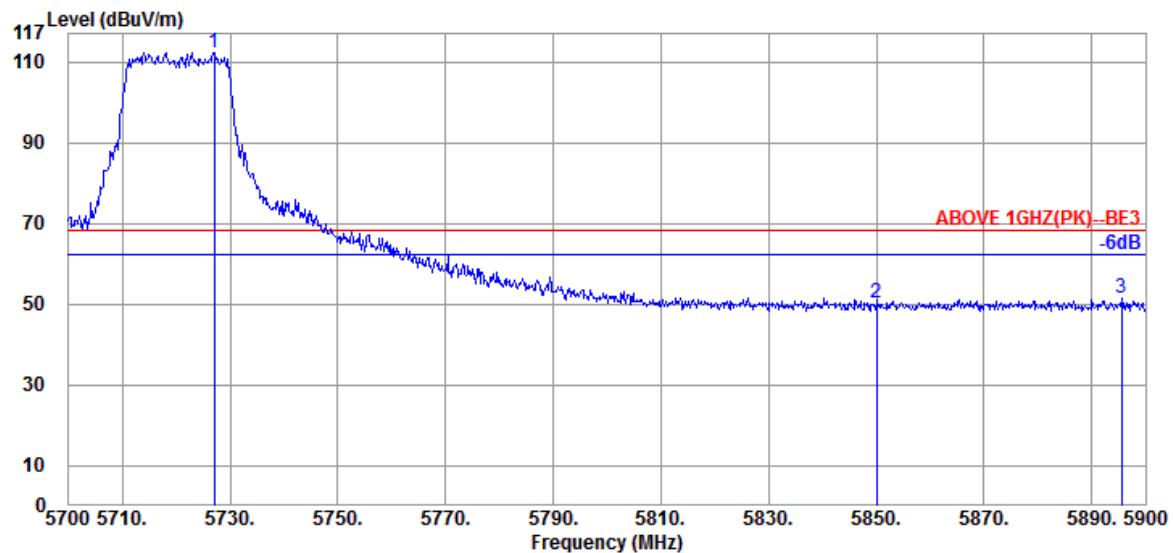
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Mode	802.11ax-HE20	Band	NII-2C
		Frequency	TX 5720MHz



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
@ 5725.600	34.80	10.84	34.37	89.84	101.11	---	---	Peak
5850.000	35.40	10.99	34.43	36.79	48.75	68.20	19.45	Peak
5851.400	35.40	10.99	34.43	38.73	50.69	68.20	17.51	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
@ 5727.000	34.80	10.84	34.38	101.12	112.38	---	---	Peak
5850.000	35.40	10.99	34.43	38.49	50.45	68.20	17.75	Peak
5895.600	35.40	11.06	34.45	39.33	51.34	68.20	16.86	Peak

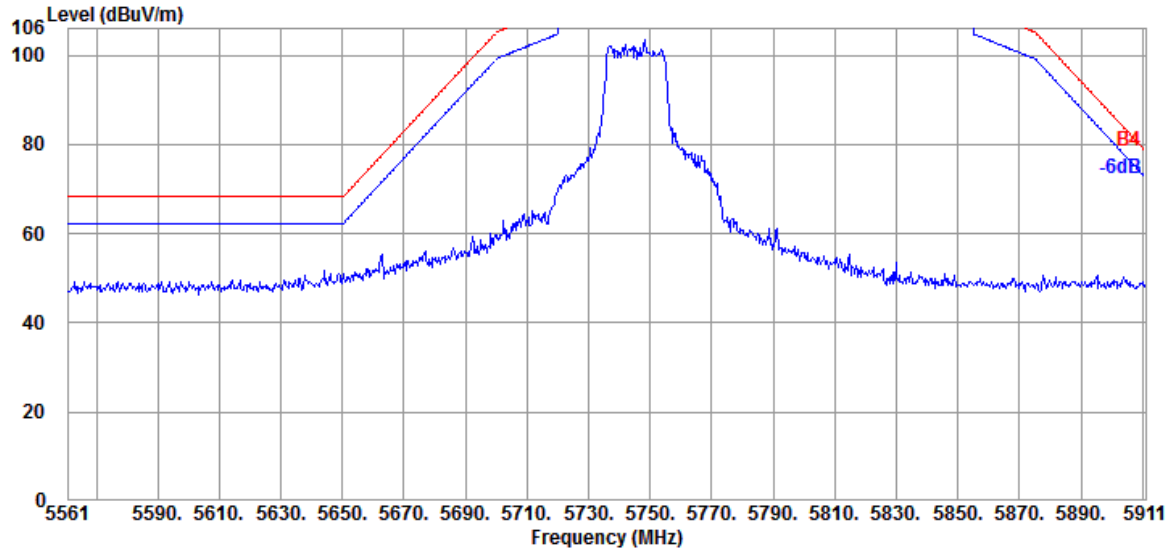
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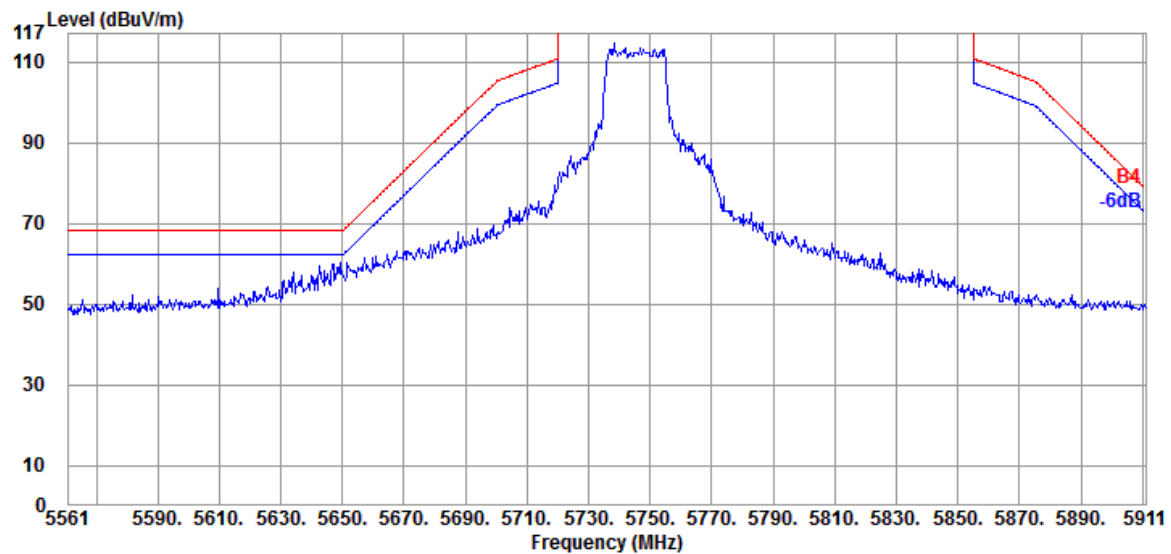
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Mode	802.11ac-HE20	Band	NII-III
		Frequency	TX 5745MHz

Antenna at Horizontal Polarization



Antenna at Vertical Polarization

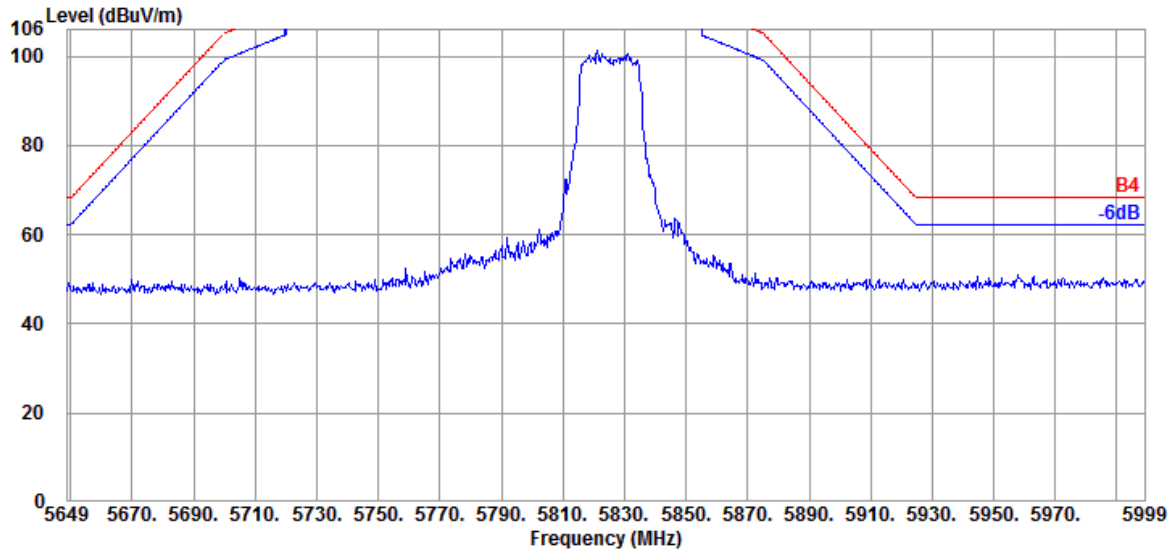


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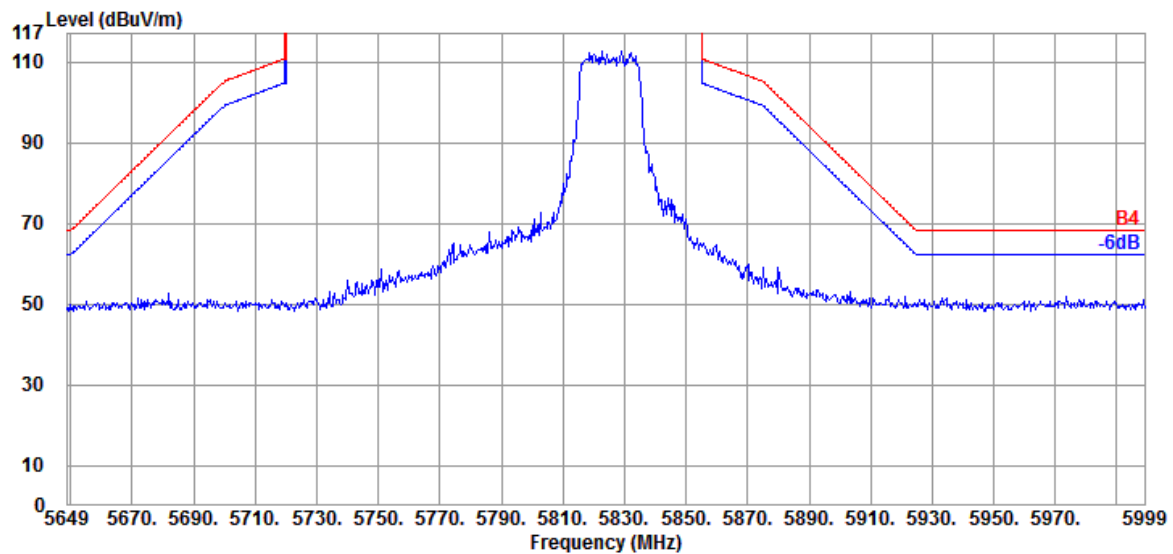
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Mode	802.11ac-HE20	Band	NII-III
		Frequency	TX 5825MHz

Antenna at Horizontal Polarization



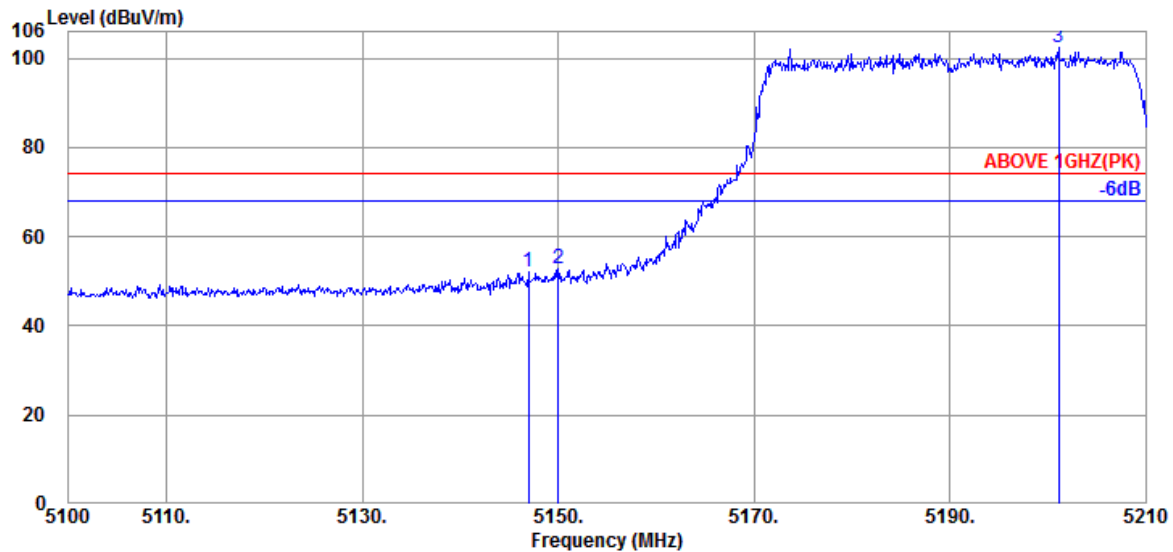
Antenna at Vertical Polarization



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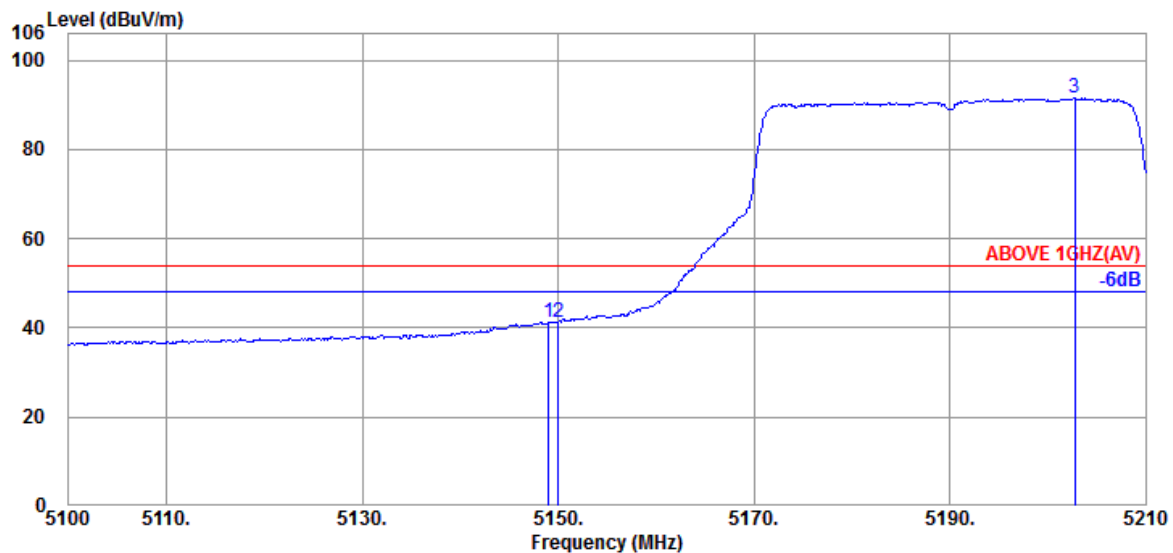
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Mode	802.11ax-HE40	Band	NII-I
		Frequency	TX 5190MHz



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
5146.970	34.40	10.36	34.38	41.55	51.93	74.00	22.07	Peak
5150.050	34.40	10.36	34.38	42.57	52.95	74.00	21.05	Peak
@ 5201.090	34.50	10.39	34.36	91.80	102.33	---	---	Peak

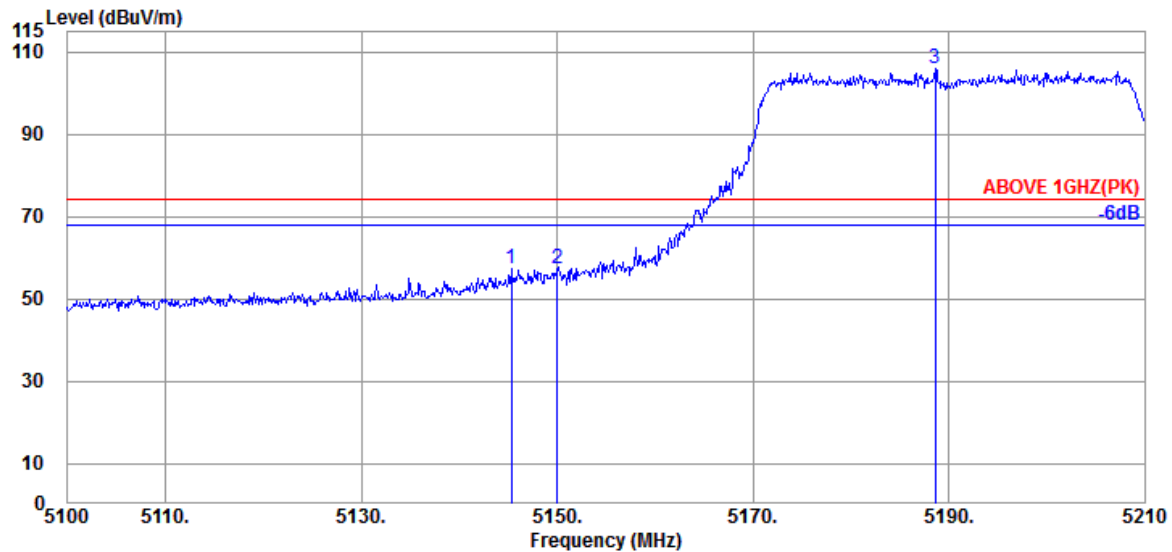


Antenna at Horizontal Polarization

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
5149.060	34.40	10.36	34.38	31.03	41.41	54.00	12.59	Average
5150.050	34.40	10.36	34.38	30.99	41.37	54.00	12.63	Average
@ 5202.740	34.50	10.39	34.36	80.97	91.50	---	---	Average

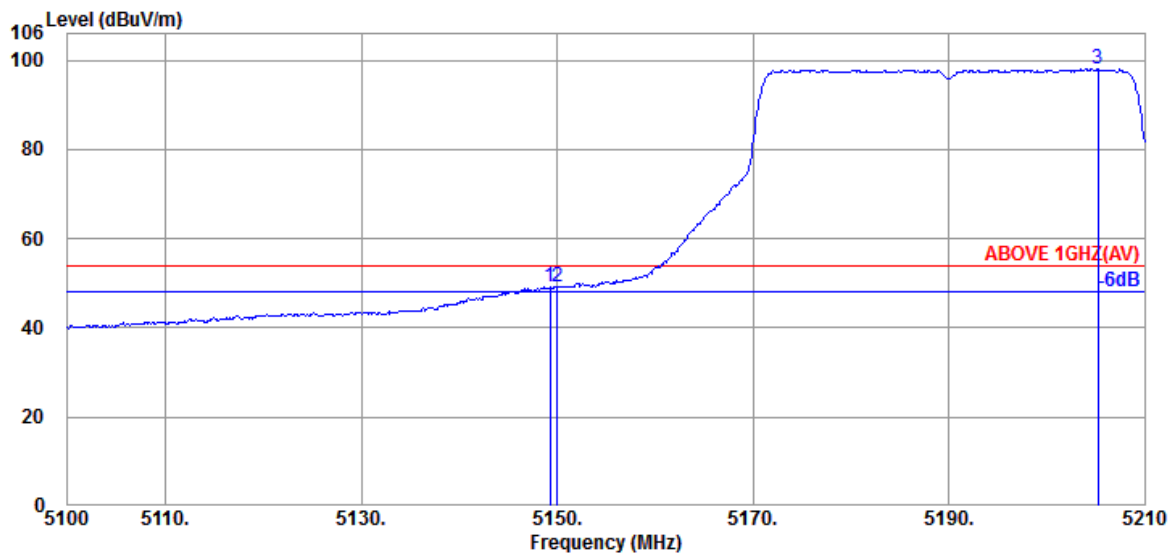
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	802.11ax-HE40	Band	NII-I
		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
5145.320	34.40	10.36	34.38	46.81	57.19	74.00	16.81	Peak
5150.050	34.40	10.36	34.38	46.73	57.11	74.00	16.89	Peak
@ 5188.660	34.50	10.38	34.37	95.47	105.98	---	---	Peak



Antenna at Vertical Polarization

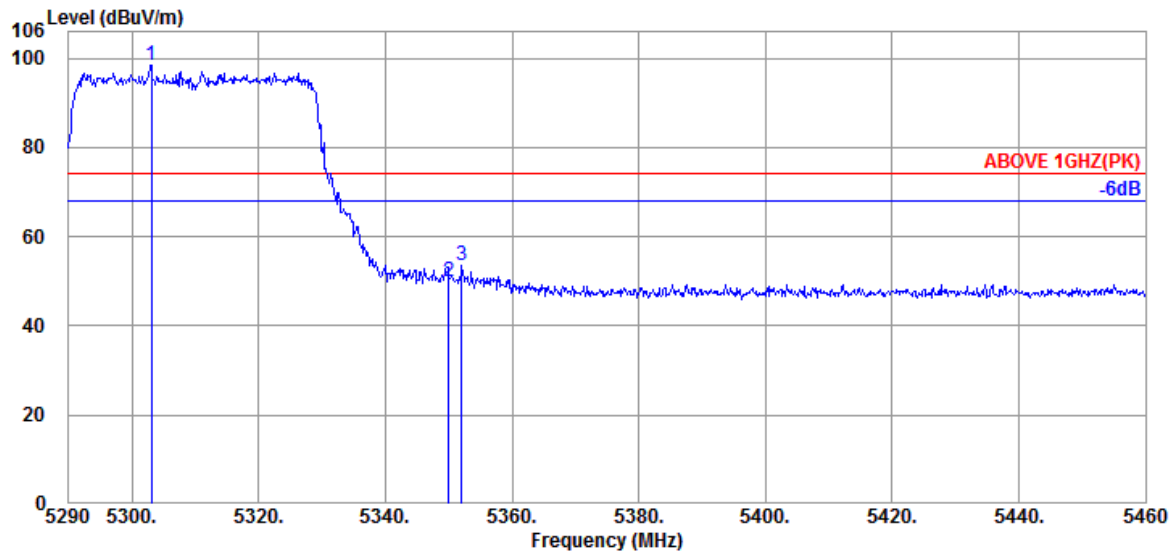
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5149.280	34.40	10.36	34.38	38.69	49.07	54.00	4.93	Average
5150.050	34.40	10.36	34.38	38.87	49.25	54.00	4.75	Average
@ 5205.270	34.50	10.39	34.36	87.49	98.02	---	---	Average

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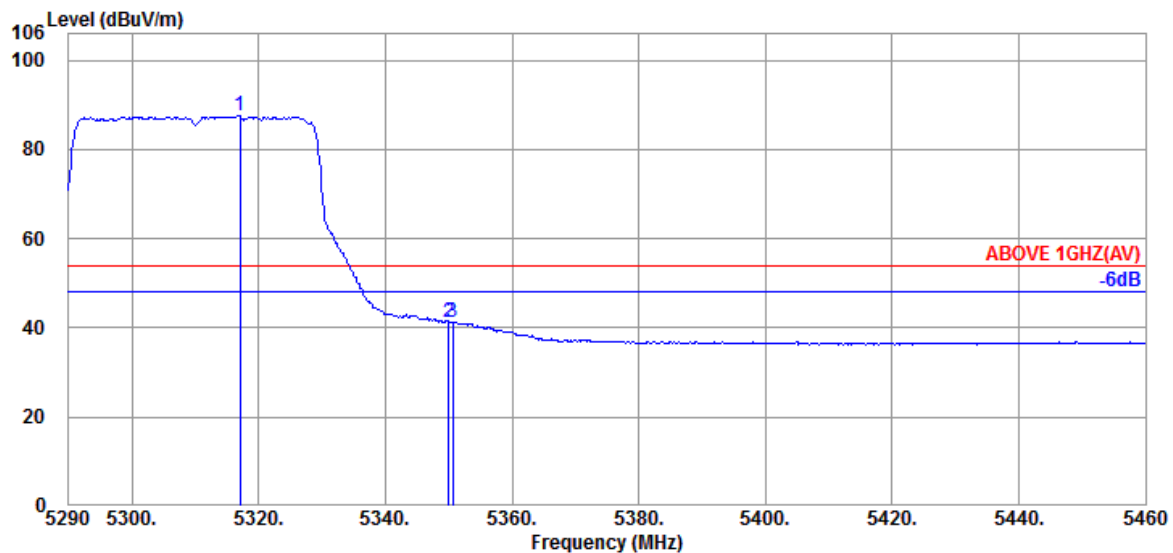
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Mode	802.11ax-HE40	Band	NII-2A
		Frequency	TX 5310MHz



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
@ 5303.090	34.60	10.45	34.33	87.79	98.51	---	---	Peak
5350.010	34.60	10.48	34.31	39.06	49.83	74.00	24.17	Peak
5352.050	34.60	10.48	34.31	42.82	53.59	74.00	20.41	Peak



Antenna at Horizontal Polarization

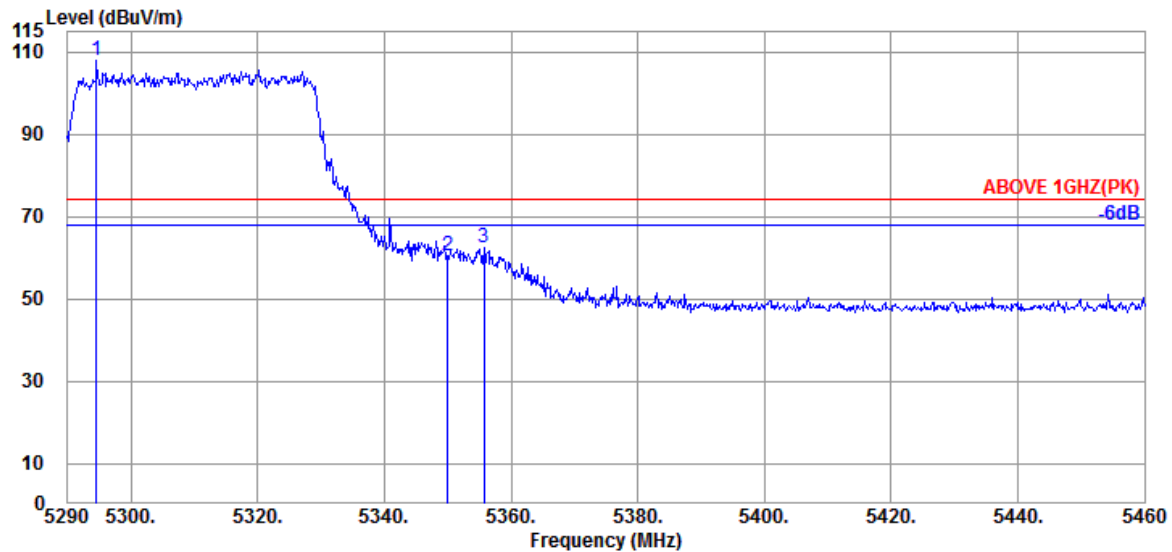
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5317.030	34.60	10.46	34.33	76.80	87.53	---	---	Average
5350.010	34.60	10.48	34.31	30.32	41.09	54.00	12.91	Average
5350.690	34.60	10.48	34.31	30.61	41.38	54.00	12.62	Average

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

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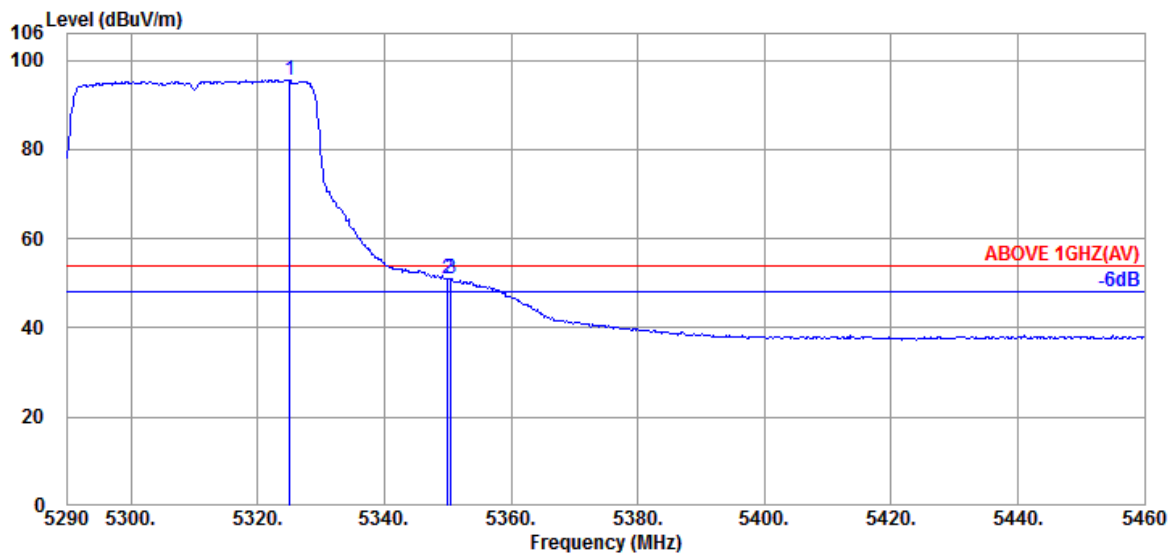
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Mode	802.11ax-HE40	Band	NII-2A
		Frequency	TX 5310MHz



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
@ 5294.590	34.60	10.45	34.33	97.09	107.81	---	---	Peak
5350.010	34.60	10.48	34.31	49.83	60.60	74.00	13.40	Peak
5355.790	34.60	10.48	34.31	51.48	62.25	74.00	11.75	Peak



Antenna at Vertical Polarization

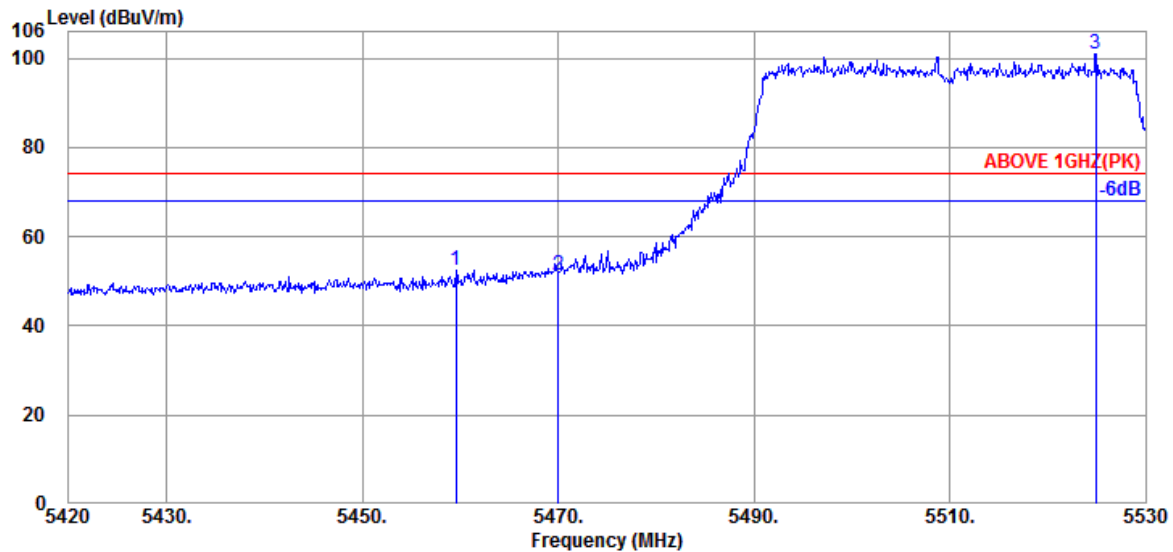
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@ 5325.020	34.60	10.46	34.33	84.90	95.63	---	---	Average
5350.010	34.60	10.48	34.31	40.27	51.04	54.00	2.96	Average
5350.520	34.60	10.48	34.31	40.28	51.05	54.00	2.95	Average

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

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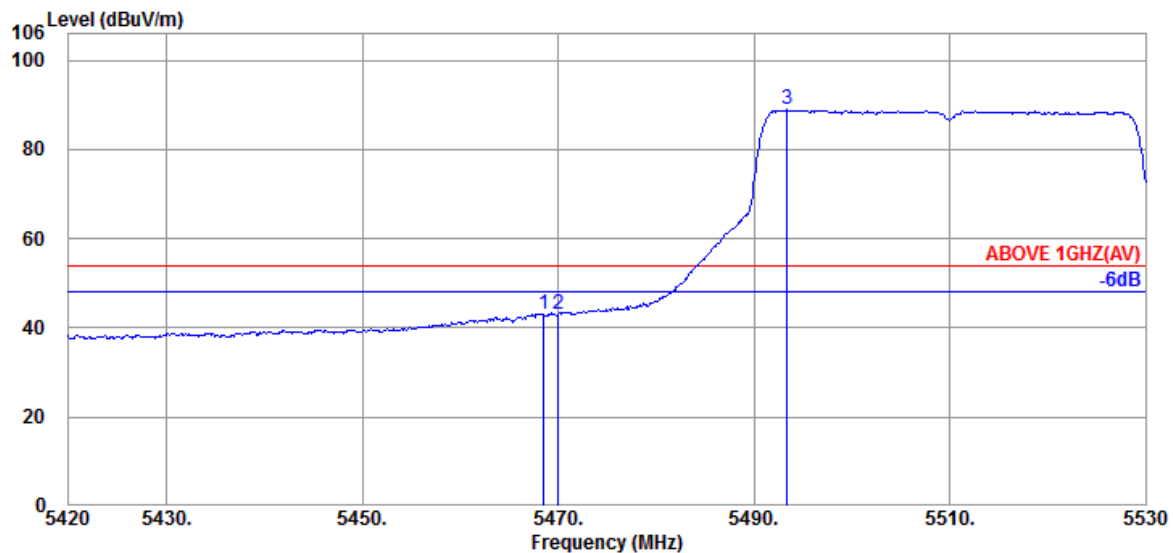
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Mode	802.11ax-HE40	Band	NII-2C
		Frequency	TX 5510MHz



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
5459.600	34.70	10.53	34.28	41.42	52.37	74.00	21.63	Peak
5470.050	34.67	10.54	34.28	40.59	51.52	74.00	22.48	Peak
@ 5524.940	34.60	10.58	34.29	90.14	101.03	---	---	Peak



Antenna at Horizontal Polarization

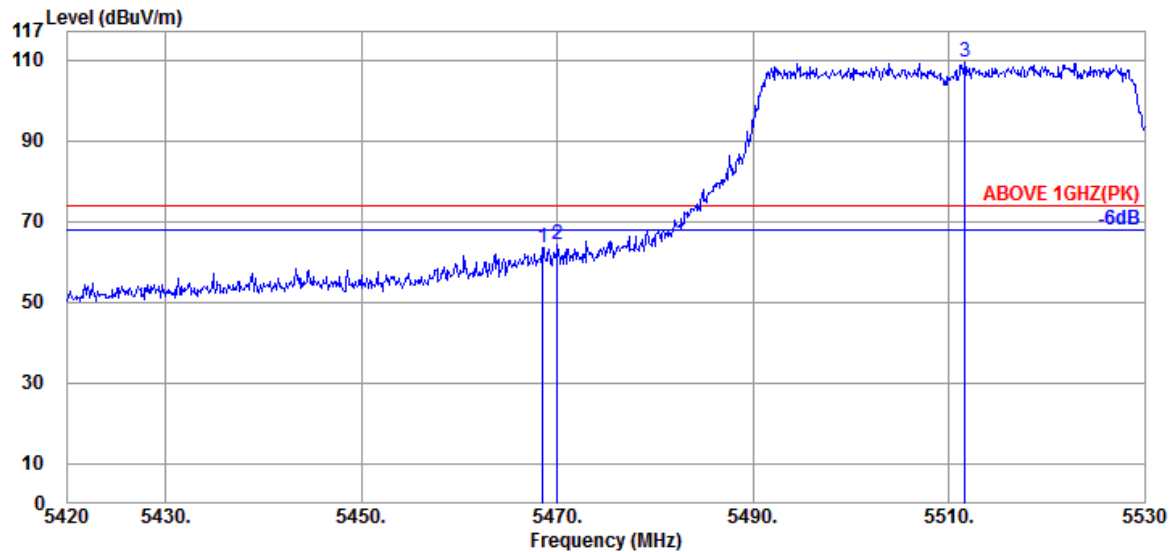
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5468.510	34.67	10.54	34.28	32.05	42.98	54.00	11.02	Average
5470.050	34.67	10.54	34.28	32.28	43.21	54.00	10.79	Average
@ 5493.370	34.63	10.55	34.27	77.96	88.87	---	---	Average

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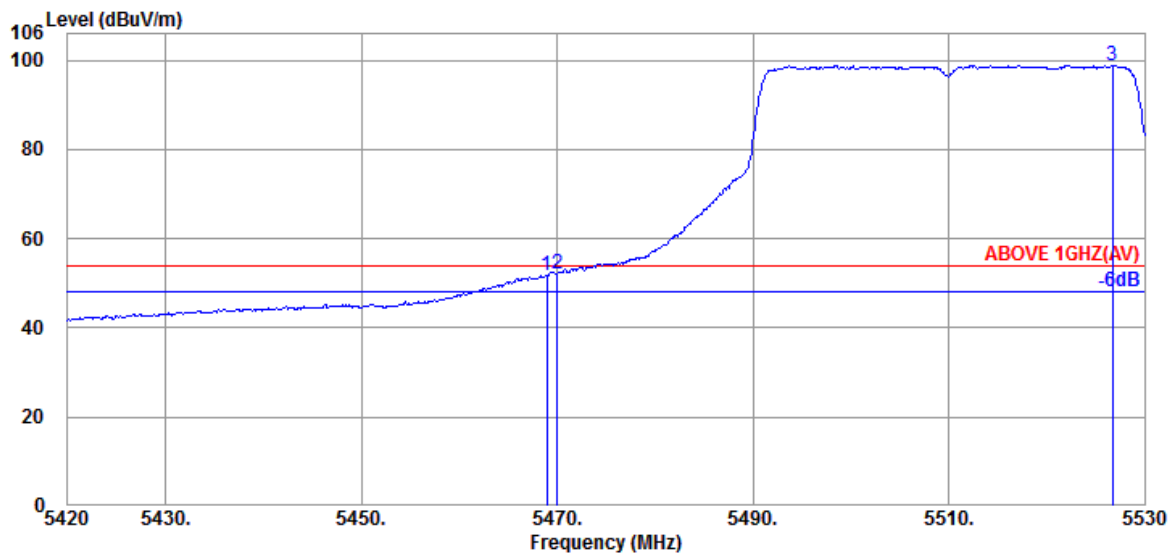
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Mode	802.11ax-HE40	Band	NII-2C
		Frequency	TX 5510MHz



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
5468.510	34.67	10.54	34.28	52.75	63.68	74.00	10.32	Peak
5470.050	34.67	10.54	34.28	53.38	64.31	74.00	9.69	Peak
@ 5511.630	34.60	10.56	34.28	98.67	109.55	---	---	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
5468.950	34.67	10.54	34.28	40.66	51.59	54.00	2.41	Average
5470.050	34.67	10.54	34.28	41.13	52.06	54.00	1.94	Average
@ 5526.700	34.60	10.58	34.29	87.95	98.84	---	---	Average

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

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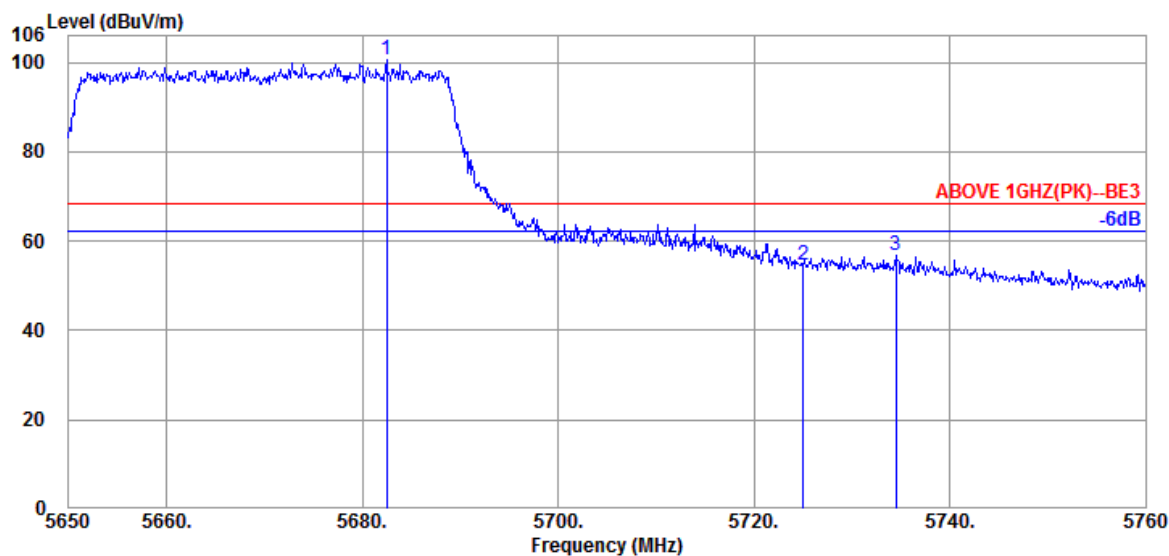
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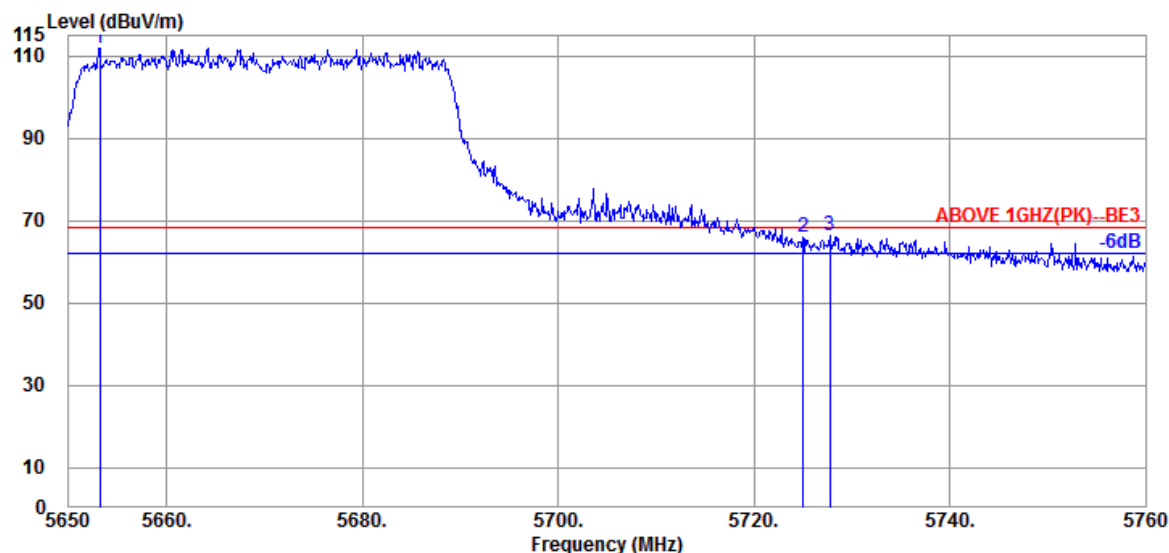
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Mode	802.11ax-HE40	Band	NII-2C
		Frequency	TX 5670MHz



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
@ 5682.450	34.73	10.78	34.36	89.37	100.52	---	---	Peak
5725.020	34.80	10.84	34.37	43.50	54.77	68.20	13.43	Peak
5734.480	34.80	10.84	34.38	45.39	56.65	68.20	11.55	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
@ 5653.190	34.60	10.76	34.35	100.93	111.94	---	---	Peak
5725.020	34.80	10.84	34.37	54.49	65.76	68.20	2.44	Peak
5727.770	34.80	10.84	34.38	55.06	66.32	68.20	1.88	Peak

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

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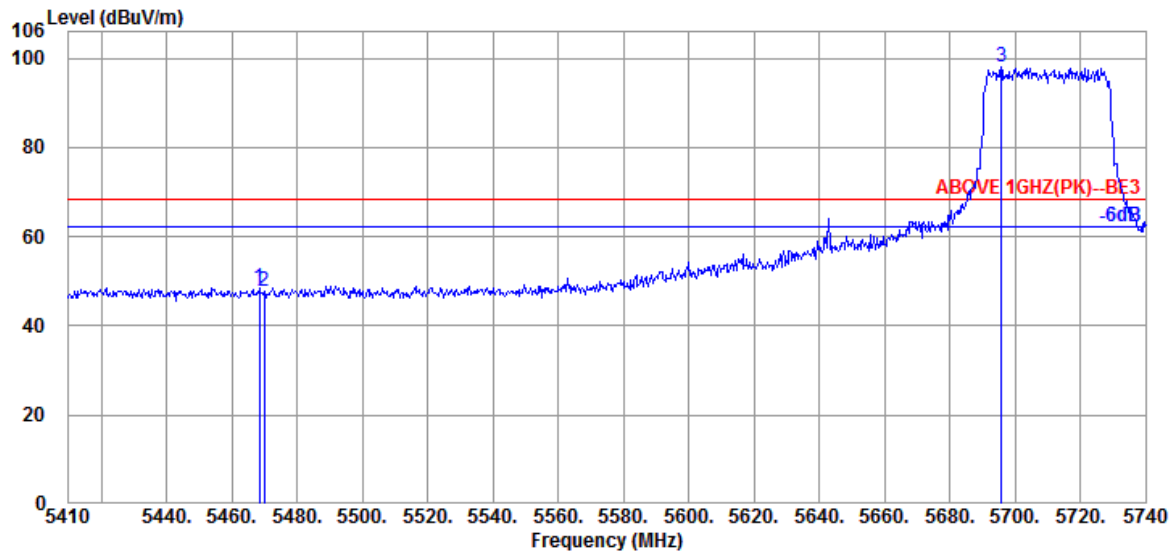
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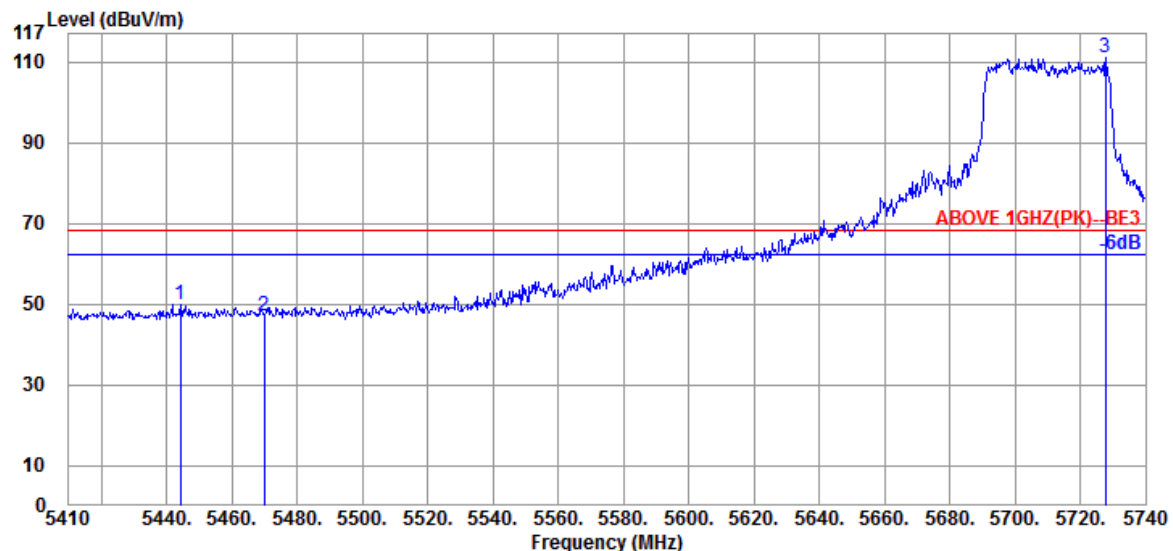
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Mode	802.11ax-HE40	Band	NII-2C
		Frequency	TX 5710MHz



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
5468.410	34.67	10.54	34.28	37.55	48.48	68.20	19.72	Peak
5470.060	34.67	10.54	34.28	36.78	47.71	68.20	20.49	Peak
@ 5695.780	34.80	10.80	34.36	86.81	98.05	---	---	Peak



Antenna at Vertical Polarization

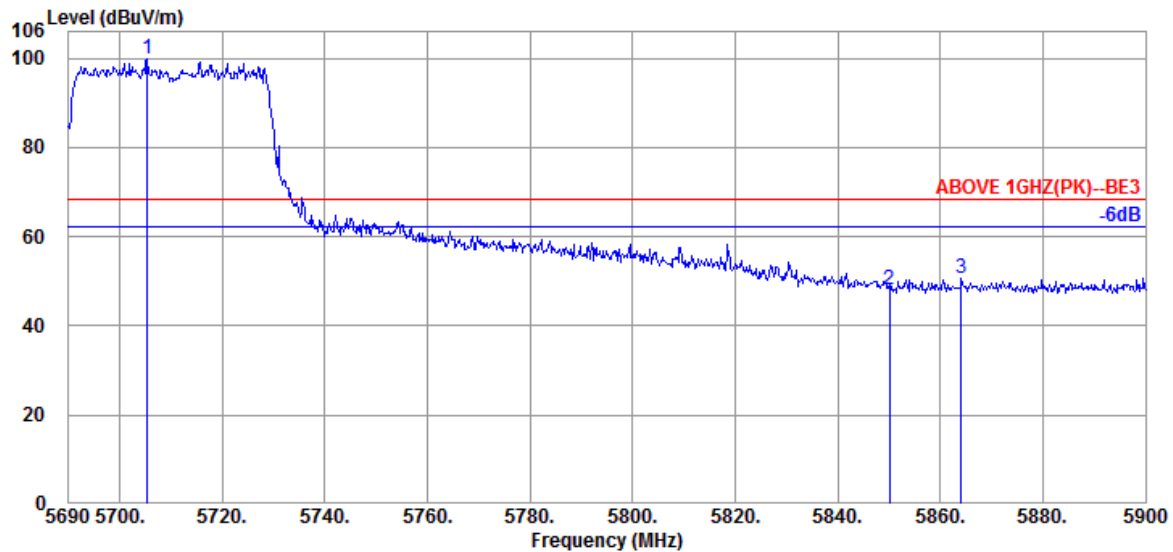
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5444.320	34.67	10.52	34.29	39.02	49.92	68.20	18.28	Peak
5470.060	34.67	10.54	34.28	36.30	47.23	68.20	20.97	Peak
@ 5727.790	34.80	10.84	34.38	99.91	111.17	---	---	Peak

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

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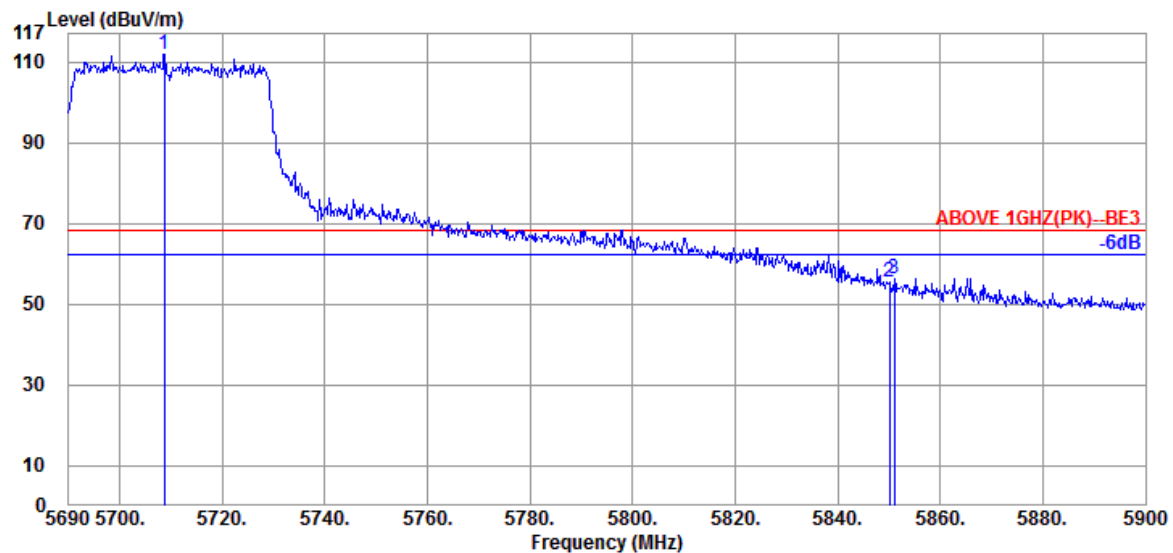
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Mode	802.11ax-HE40	Band	NII-2C
		Frequency	TX 5710MHz



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
@	5705.330	34.80	10.82	34.36	88.76	100.02	---	---	Peak
	5850.020	35.40	10.99	34.43	36.32	48.28	68.20	19.92	Peak
	5864.090	35.40	11.02	34.44	38.74	50.72	68.20	17.48	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
@	5708.690	34.80	10.82	34.37	100.64	111.89	---	---	Peak
	5850.020	35.40	10.99	34.43	43.42	55.38	68.20	12.82	Peak
	5851.070	35.40	10.99	34.43	44.42	56.38	68.20	11.82	Peak

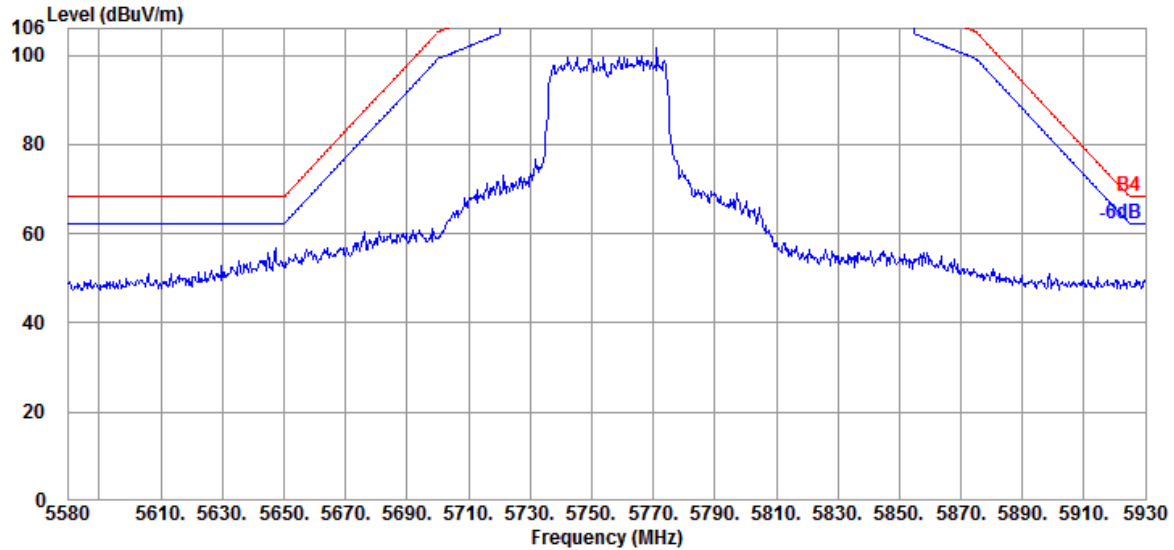
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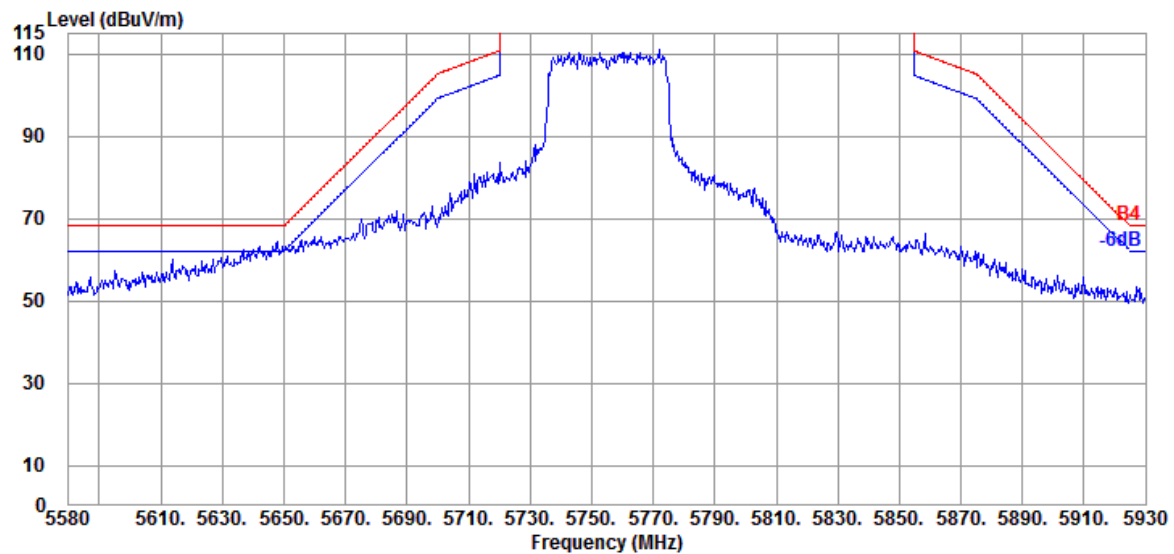
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Mode	802.11ax-HE40	Band	NII-III
		Frequency	TX 5755MHz

Antenna at Horizontal Polarization



Antenna at Vertical Polarization

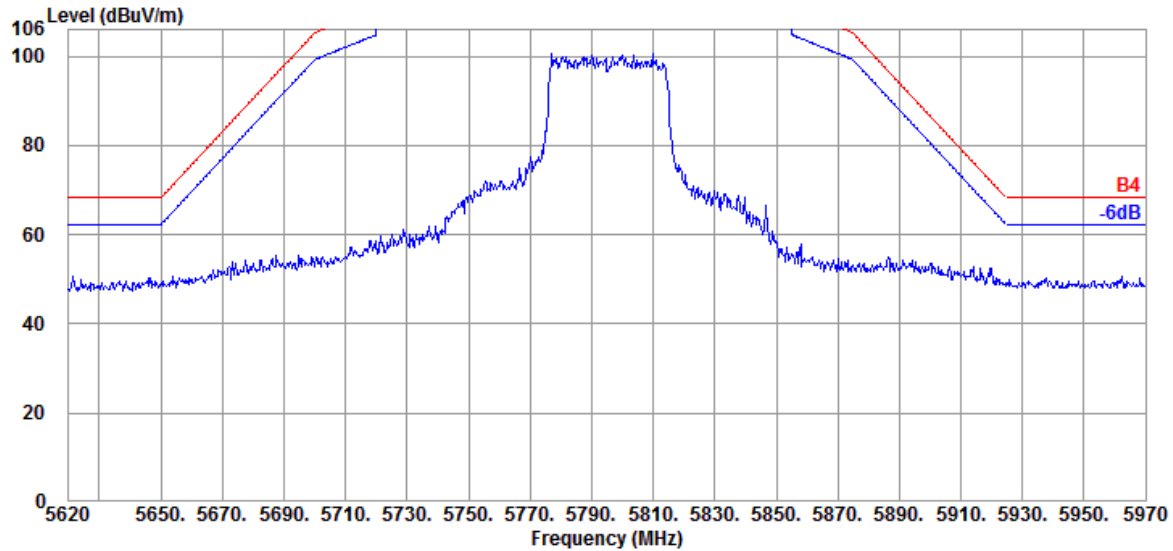


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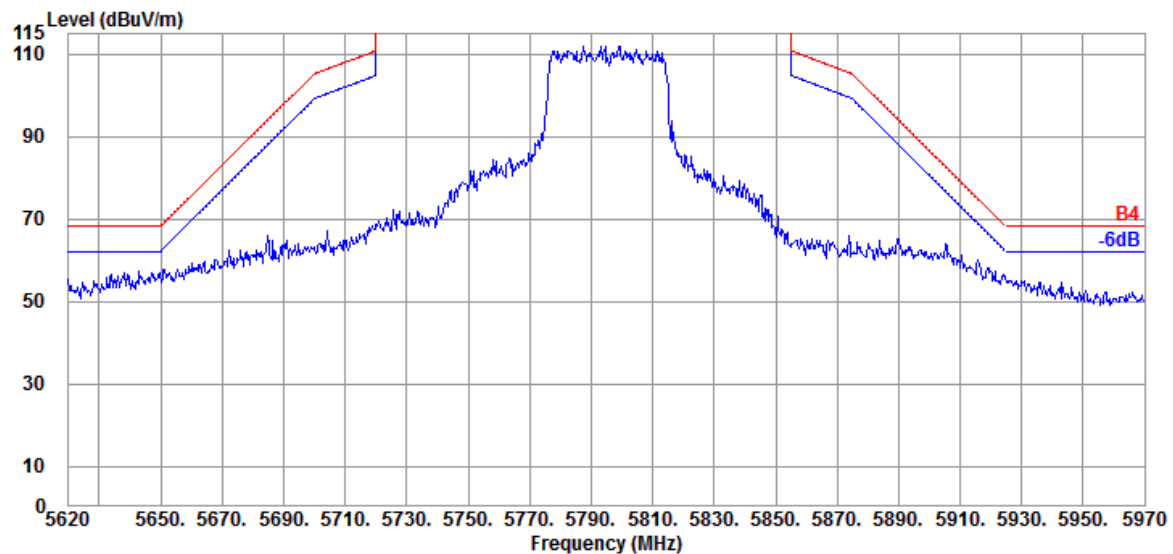
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Mode	802.11ax-HE40	Band	NII-III
		Frequency	TX 5795MHz

Antenna at Horizontal Polarization



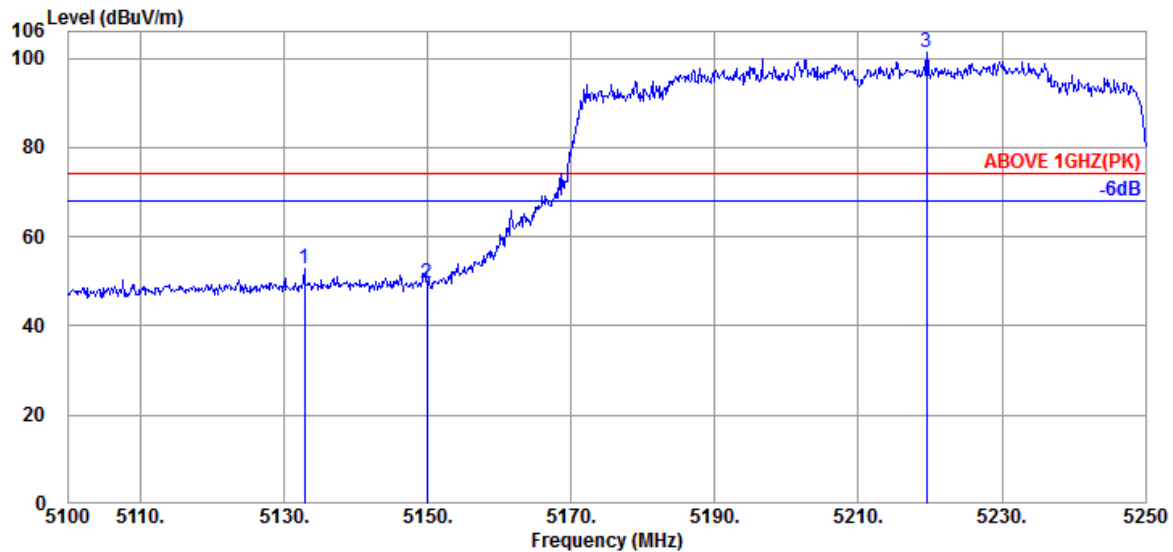
Antenna at Vertical Polarization



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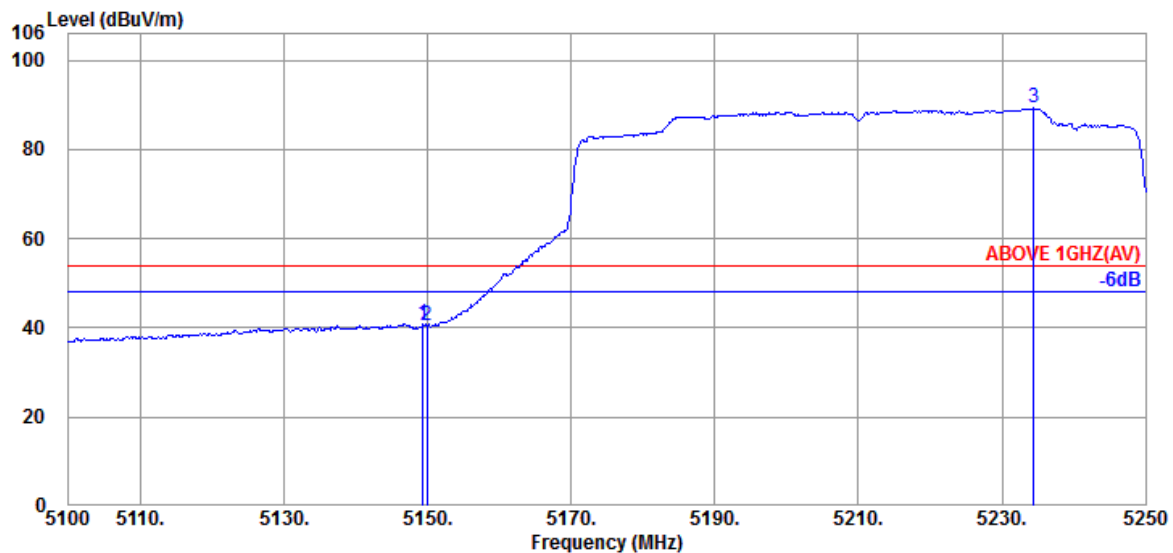
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Mode	802.11ax-HE80	Band	NII-I
		Frequency	TX 5210MHz



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
5132.850	34.37	10.35	34.39	42.48	52.81	74.00	21.19	Peak
5149.950	34.40	10.36	34.38	39.30	49.68	74.00	24.32	Peak
@ 5219.550	34.50	10.40	34.36	90.60	101.14	---	---	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
5149.350	34.40	10.36	34.38	30.49	40.87	54.00	13.13	Average
5149.950	34.40	10.36	34.38	30.27	40.65	54.00	13.35	Average
@ 5234.400	34.50	10.41	34.35	78.72	89.28	---	---	Average

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

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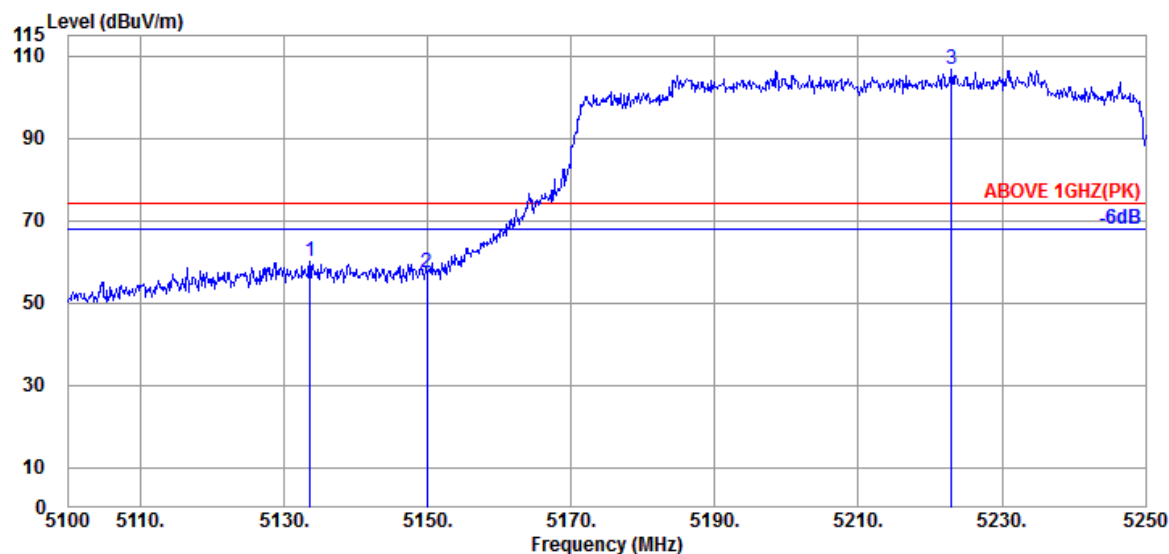
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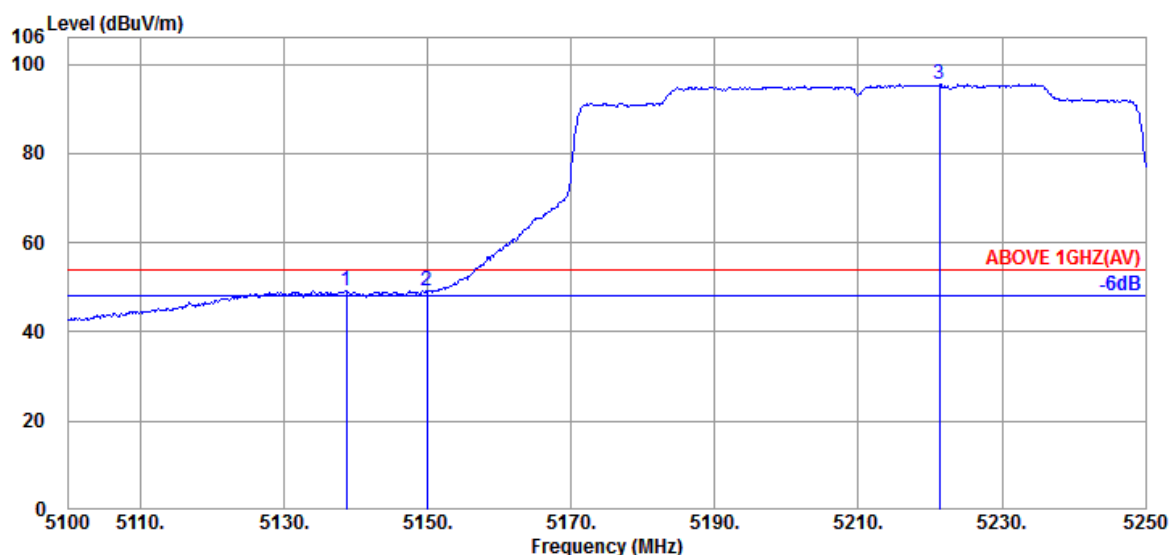
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Mode	802.11ax-HE80	Band	NII-I
		Frequency	TX 5210MHz



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
5133.600	34.37	10.35	34.39	49.81	60.14	74.00	13.86	Peak
5149.950	34.40	10.36	34.38	46.81	57.19	74.00	16.81	Peak
@ 5223.000	34.50	10.40	34.36	96.05	106.59	---	---	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
5138.700	34.37	10.35	34.39	38.78	49.11	54.00	4.89	Average
5149.950	34.40	10.36	34.38	38.93	49.31	54.00	4.69	Average
@ 5221.350	34.50	10.40	34.36	84.90	95.44	---	---	Average

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

File Number: CIM2009193

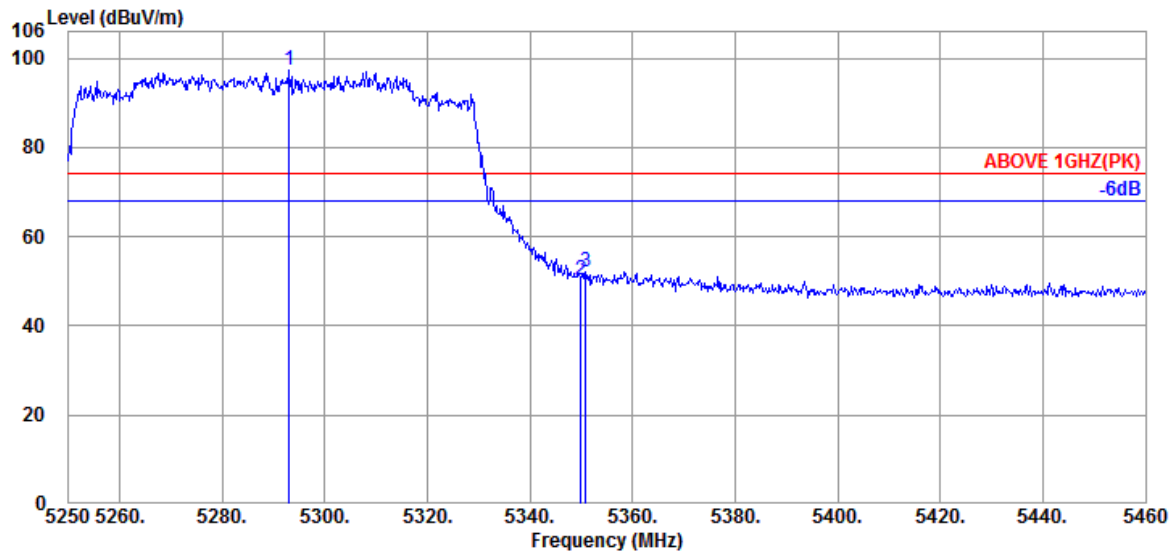
Report Number: EM-F200418

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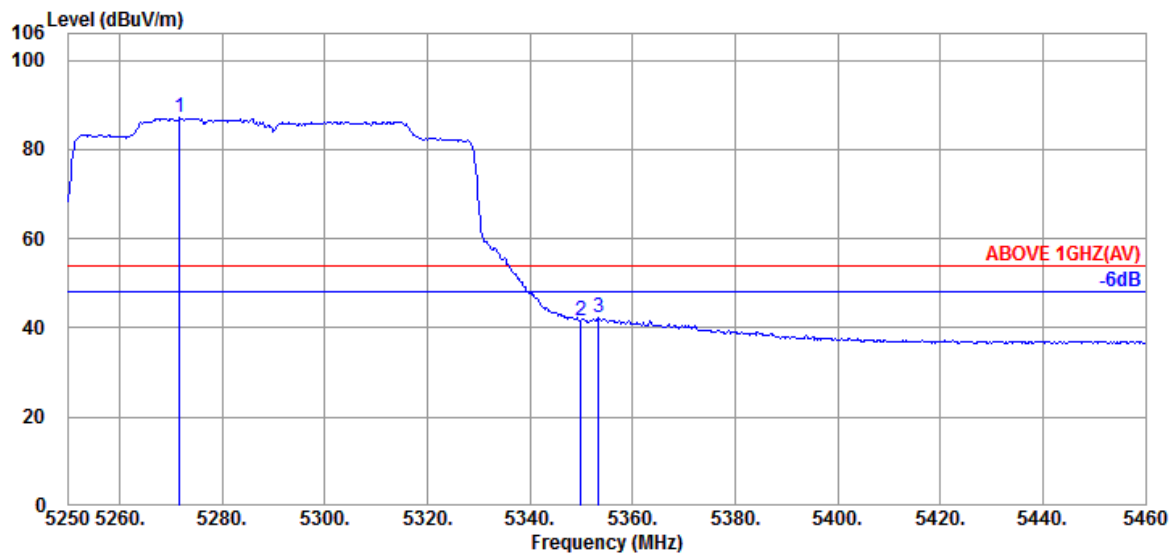
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Mode	802.11ax-HE80	Band	NII-2A
		Frequency	TX 5290MHz



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
@ 5293.050	34.60	10.45	34.34	86.61	97.32	---	---	Peak
5349.960	34.60	10.48	34.31	39.60	50.37	74.00	23.63	Peak
5350.800	34.60	10.48	34.31	41.48	52.25	74.00	21.75	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
@ 5271.630	34.53	10.43	34.34	76.46	87.08	---	---	Average
5349.960	34.60	10.48	34.31	30.99	41.76	54.00	12.24	Average
5353.320	34.60	10.48	34.31	31.50	42.27	54.00	11.73	Average

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

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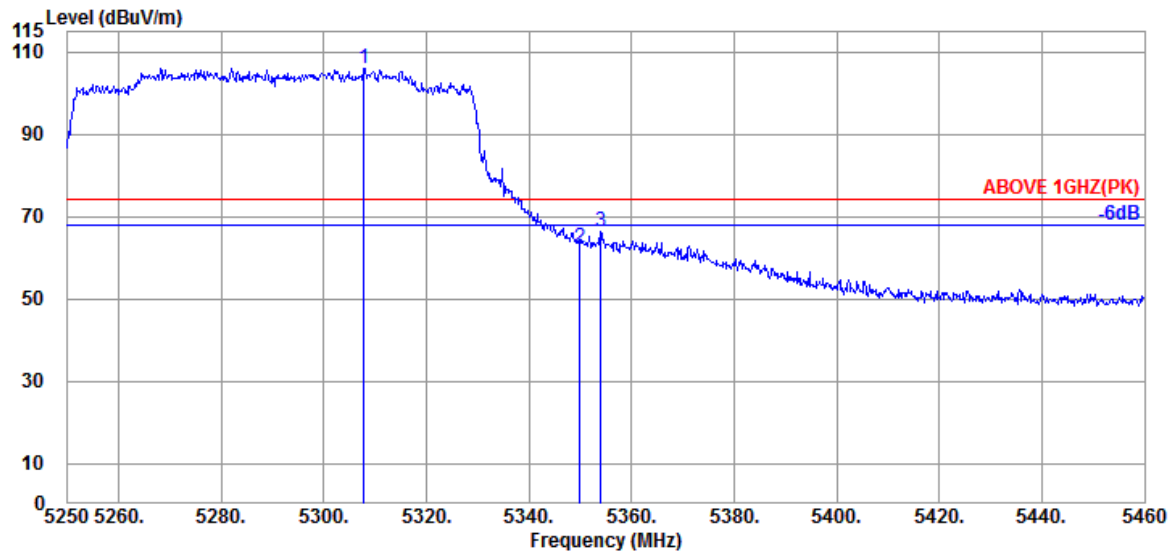
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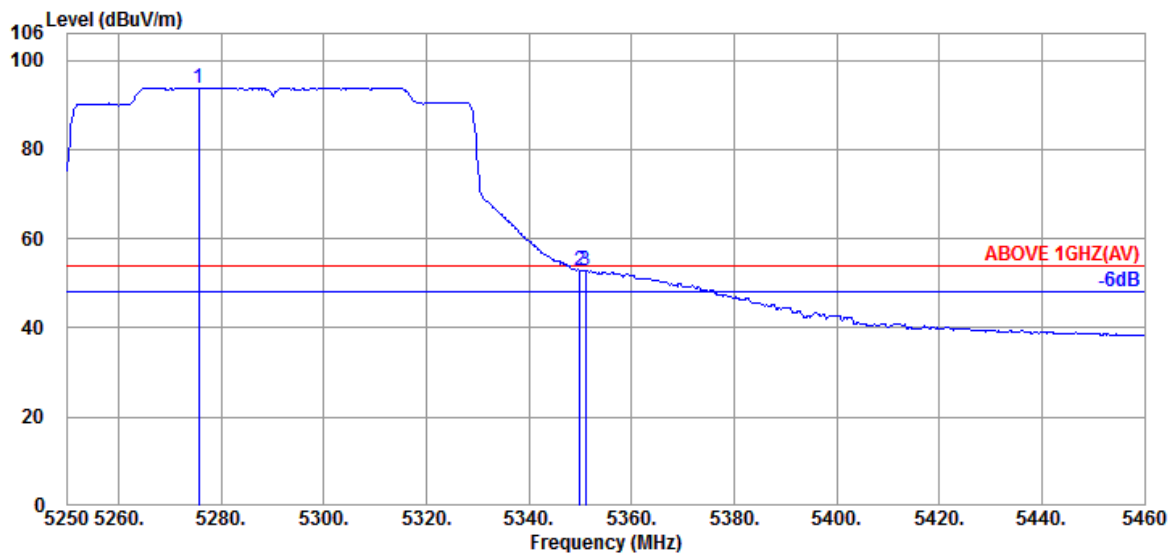
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Mode	802.11ax-HE80	Band	NII-2A
		Frequency	TX 5290MHz



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
@ 5307.750	34.60	10.45	34.33	95.15	105.87	---	---	Peak
5349.960	34.60	10.48	34.31	51.67	62.44	74.00	11.56	Peak
5353.950	34.60	10.48	34.31	55.46	66.23	74.00	7.77	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
@ 5275.620	34.53	10.44	34.34	83.18	93.81	---	---	Average
5349.960	34.60	10.48	34.31	42.20	52.97	54.00	1.03	Average
5351.010	34.60	10.48	34.31	42.04	52.81	54.00	1.19	Average

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

File Number: CIM2009193

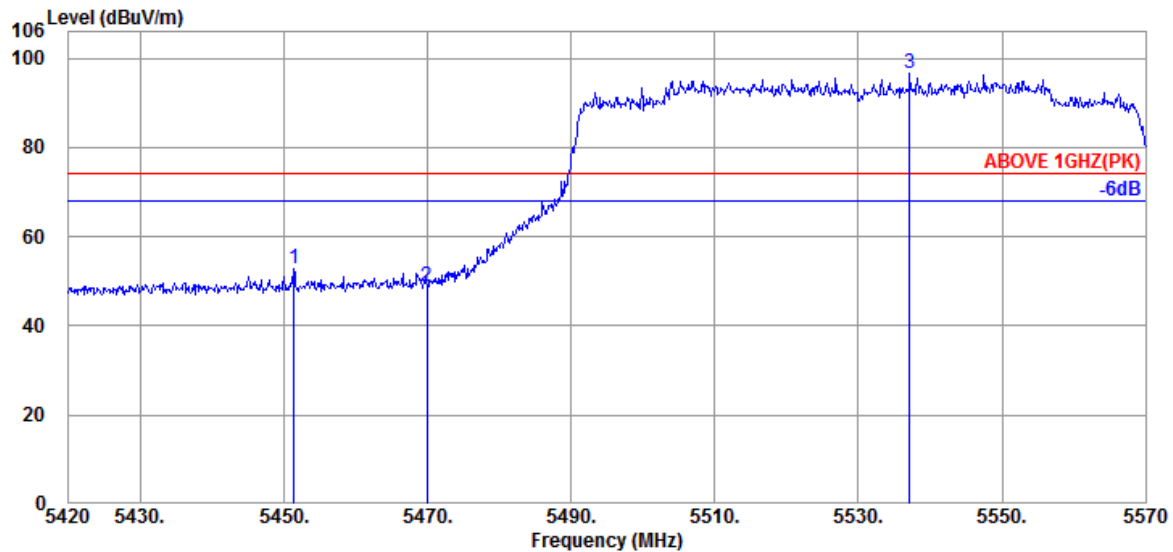
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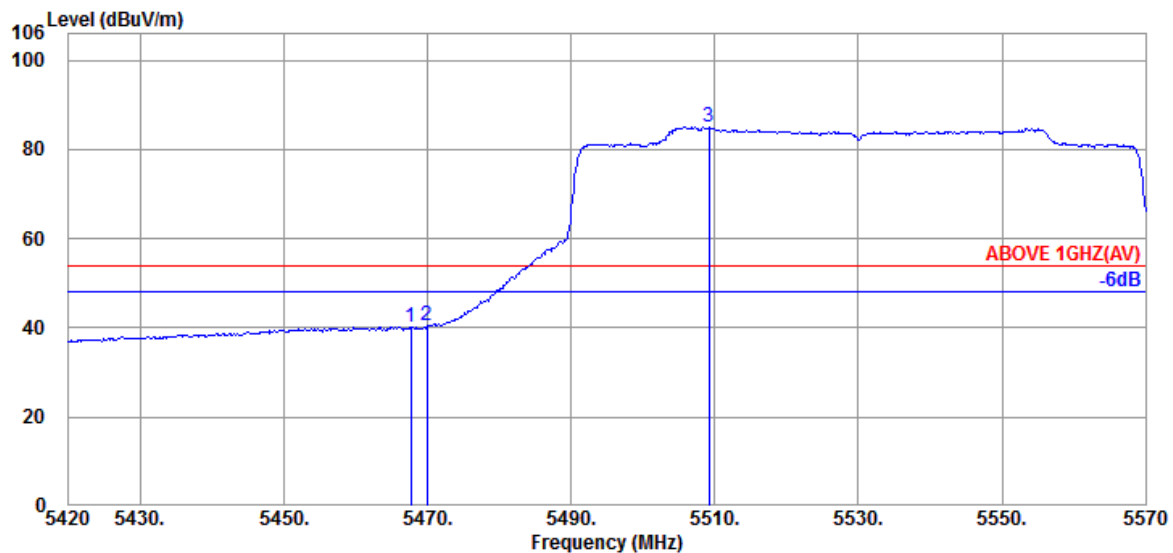
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Mode	802.11ax-HE80	Band	NII-2C
		Frequency	TX 5530MHz



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
5451.350	34.70	10.53	34.29	42.02	52.96	74.00	21.04	Peak
5469.950	34.67	10.54	34.28	37.94	48.87	74.00	25.13	Peak
@ 5537.150	34.60	10.60	34.29	85.55	96.46	---	---	Peak



Antenna at Horizontal Polarization

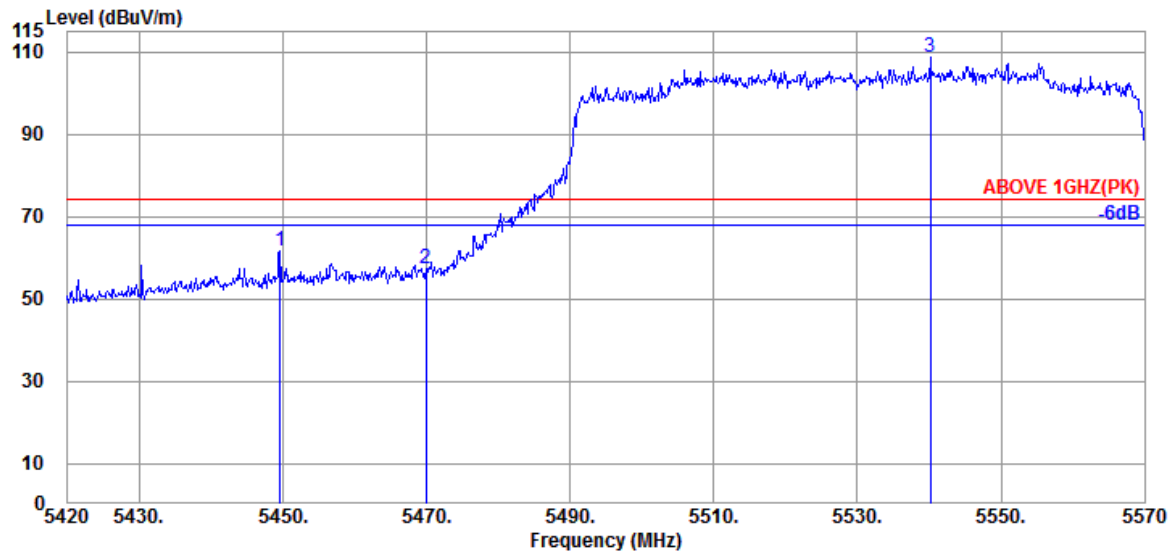
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5467.700	34.67	10.54	34.28	29.25	40.18	54.00	13.82	Average
5469.950	34.67	10.54	34.28	29.54	40.47	54.00	13.53	Average
@ 5509.250	34.60	10.56	34.28	74.08	84.96	---	---	Average

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

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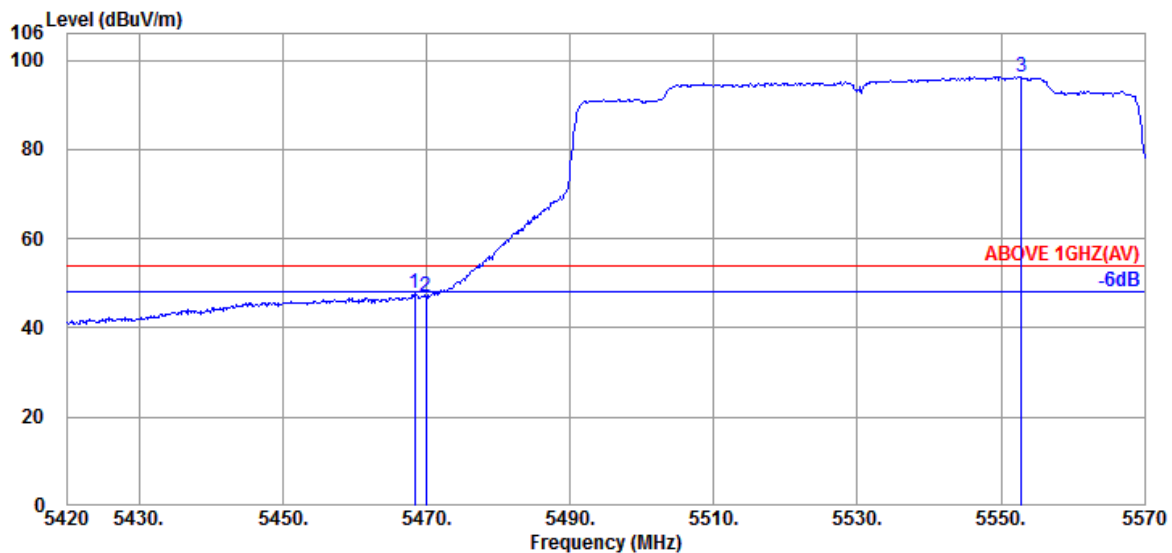
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Mode	802.11ax-HE80	Band	NII-2C
		Frequency	TX 5530MHz



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
5449.550	34.70	10.53	34.29	50.61	61.55	74.00	12.45	Peak
5469.950	34.67	10.54	34.28	46.22	57.15	74.00	16.85	Peak
@ 5540.150	34.60	10.60	34.29	97.71	108.62	---	---	Peak



Antenna at Vertical Polarization

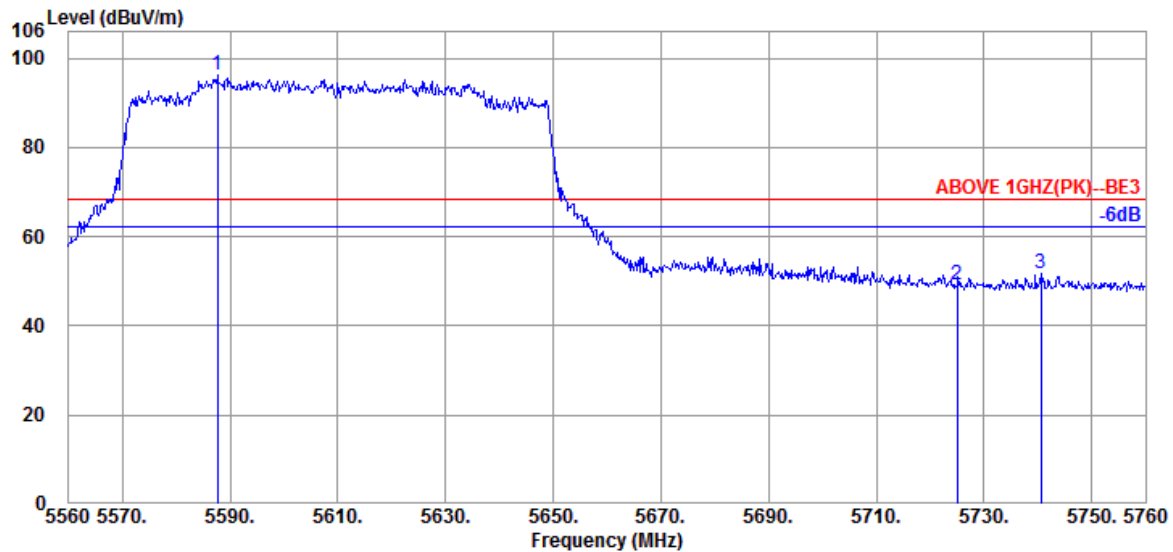
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5468.300	34.67	10.54	34.28	36.65	47.58	54.00	6.42	Average
5469.950	34.67	10.54	34.28	36.08	47.01	54.00	6.99	Average
@ 5552.900	34.60	10.63	34.30	85.45	96.38	---	---	Average

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

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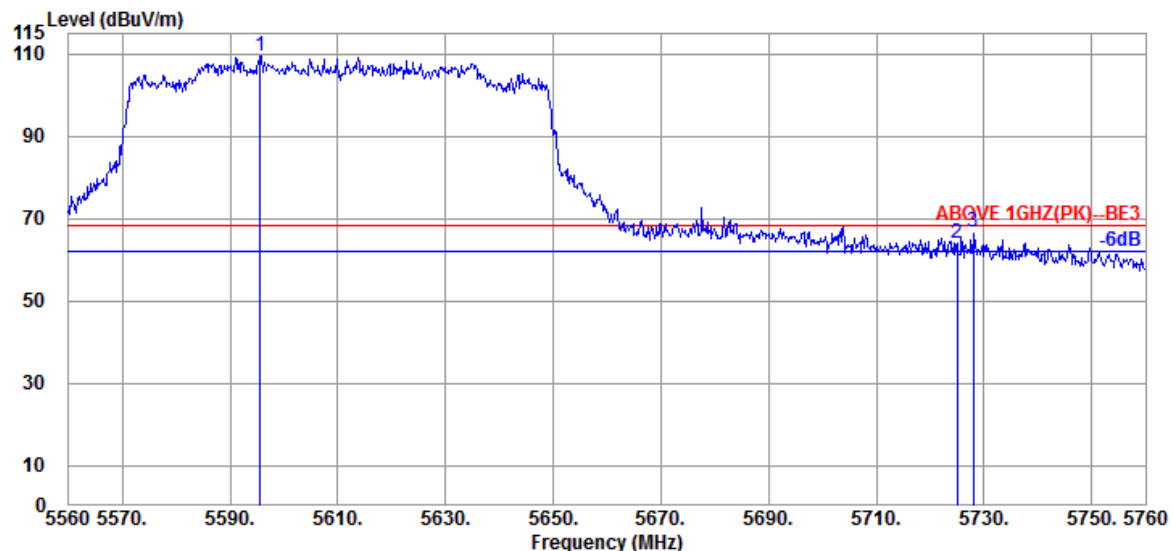
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Mode	802.11ax-HE80	Band	NII-2C
		Frequency	TX 5610MHz



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
@ 5587.600	34.60	10.67	34.31	85.20	96.16	---	---	Peak
5725.000	34.80	10.84	34.37	37.76	49.03	68.20	19.17	Peak
5740.600	34.80	10.86	34.38	40.56	51.84	68.20	16.36	Peak



Antenna at Vertical Polarization

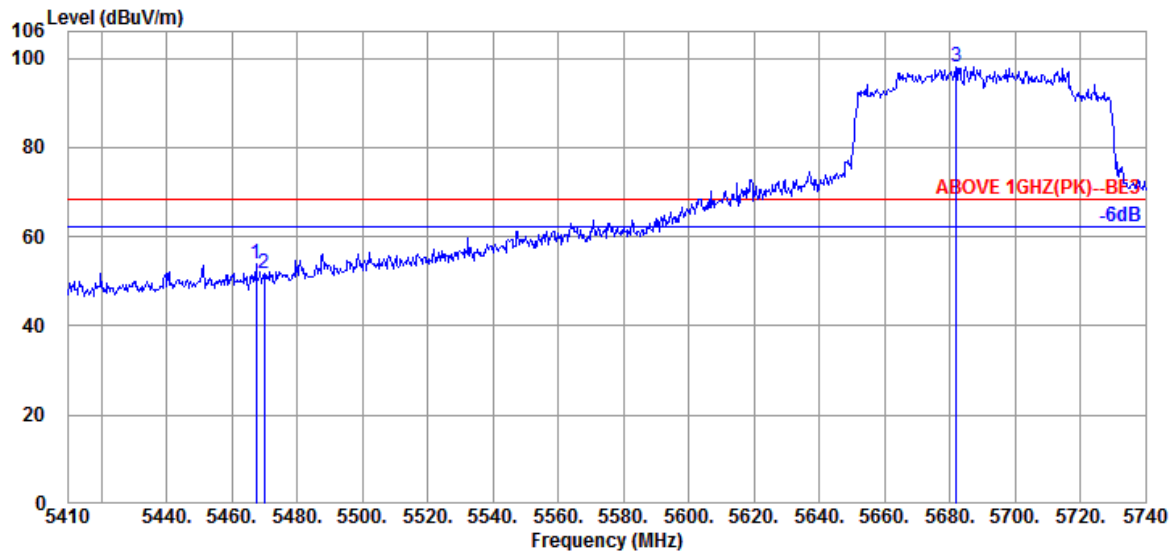
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5595.600	34.60	10.67	34.31	98.37	109.33	---	---	Peak
5725.000	34.80	10.84	34.37	52.84	64.11	68.20	4.09	Peak
5728.000	34.80	10.84	34.38	55.29	66.55	68.20	1.65	Peak

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

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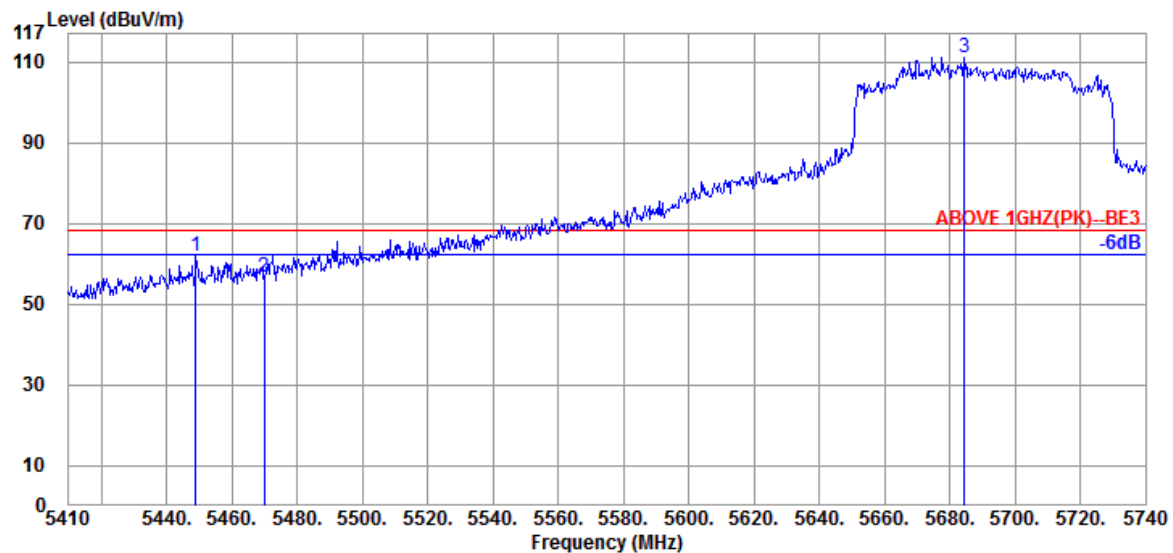
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Mode	802.11ax-HE80	Band	NII-2C
		Frequency	TX 5690MHz



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
5467.420	34.67	10.54	34.28	43.07	54.00	68.20	14.20	Peak
5470.060	34.67	10.54	34.28	40.69	51.62	68.20	16.58	Peak
@ 5681.920	34.73	10.78	34.36	86.96	98.11	---	---	Peak



Antenna at Vertical Polarization

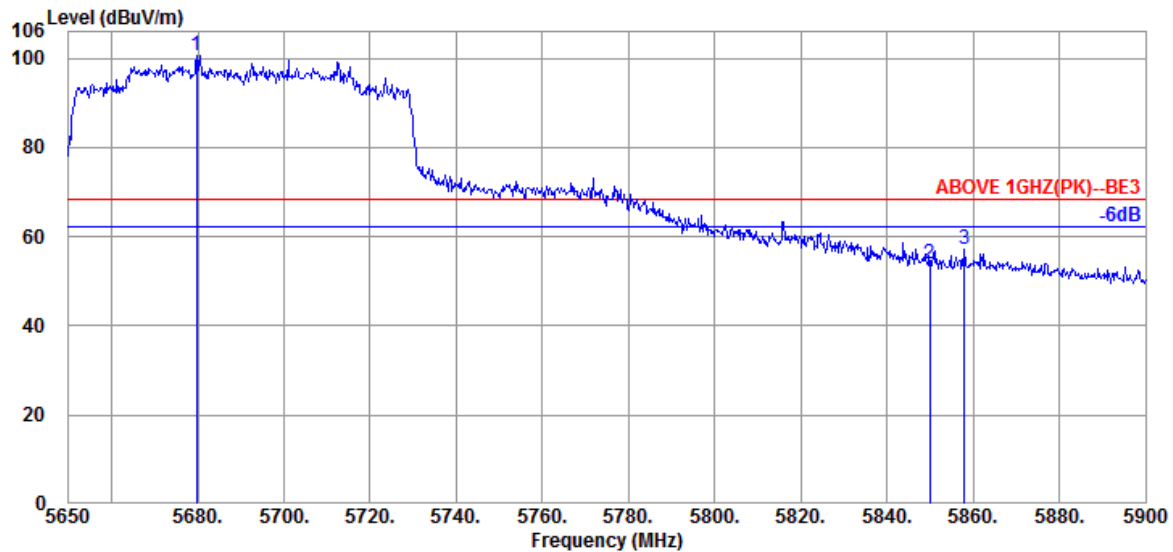
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5448.940	34.70	10.53	34.29	50.90	61.84	68.20	6.36	Peak
5470.060	34.67	10.54	34.28	45.61	56.54	68.20	11.66	Peak
@ 5684.560	34.73	10.80	34.36	99.89	111.06	---	---	Peak

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

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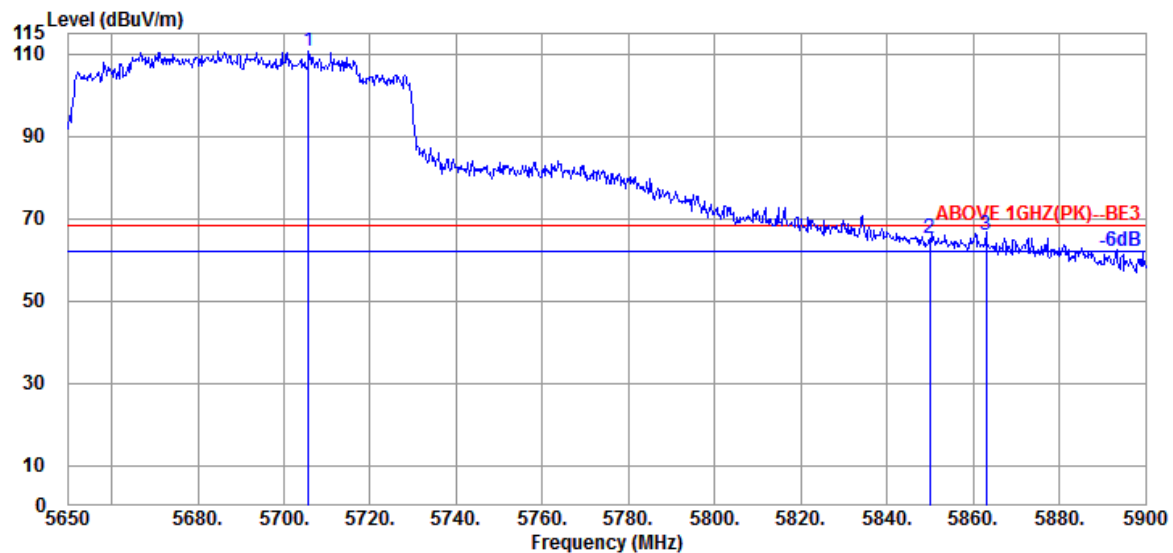
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Mode	802.11ax-HE80	Band	NII-2C
		Frequency	TX 5690MHz



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
@ 5679.750	34.73	10.78	34.36	89.27	100.42	---	---	Peak
5850.000	35.40	10.99	34.43	42.04	54.00	68.20	14.20	Peak
5858.000	35.40	11.02	34.43	45.04	57.03	68.20	11.17	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
@ 5705.750	34.80	10.82	34.36	99.44	110.70	---	---	Peak
5850.000	35.40	10.99	34.43	53.06	65.02	68.20	3.18	Peak
5863.000	35.40	11.02	34.44	53.82	65.80	68.20	2.40	Peak

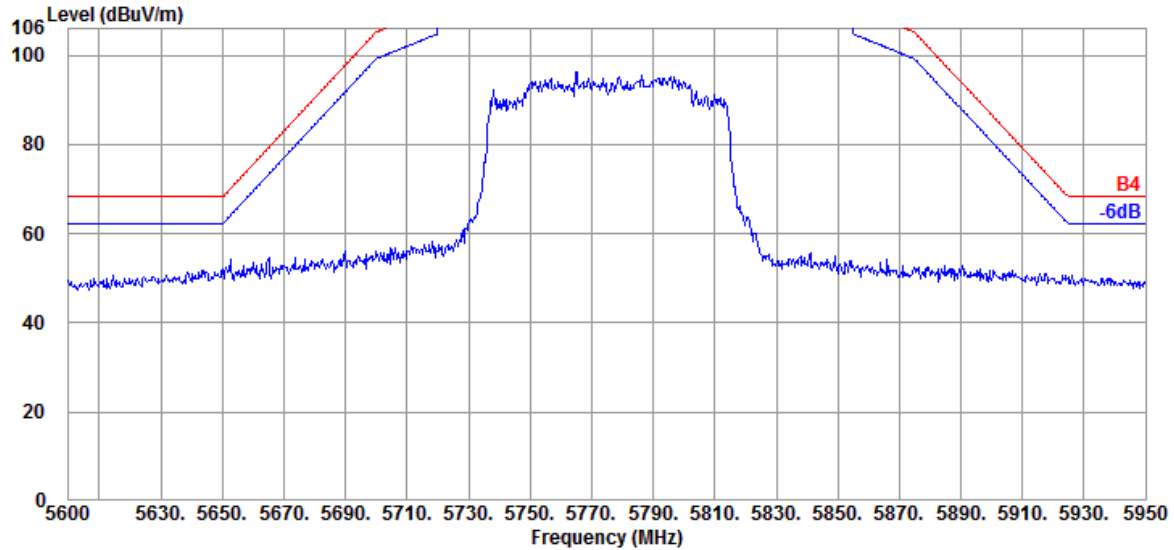
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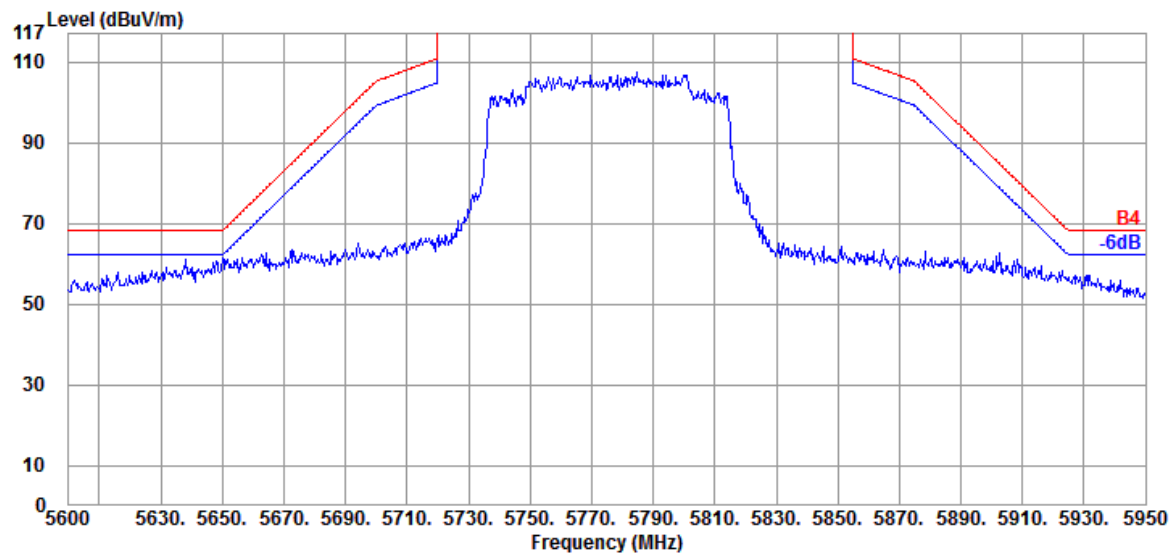
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Mode	802.11ac-HE80	Band	NII-III
		Frequency	TX 5775MHz

Antenna at Horizontal Polarization



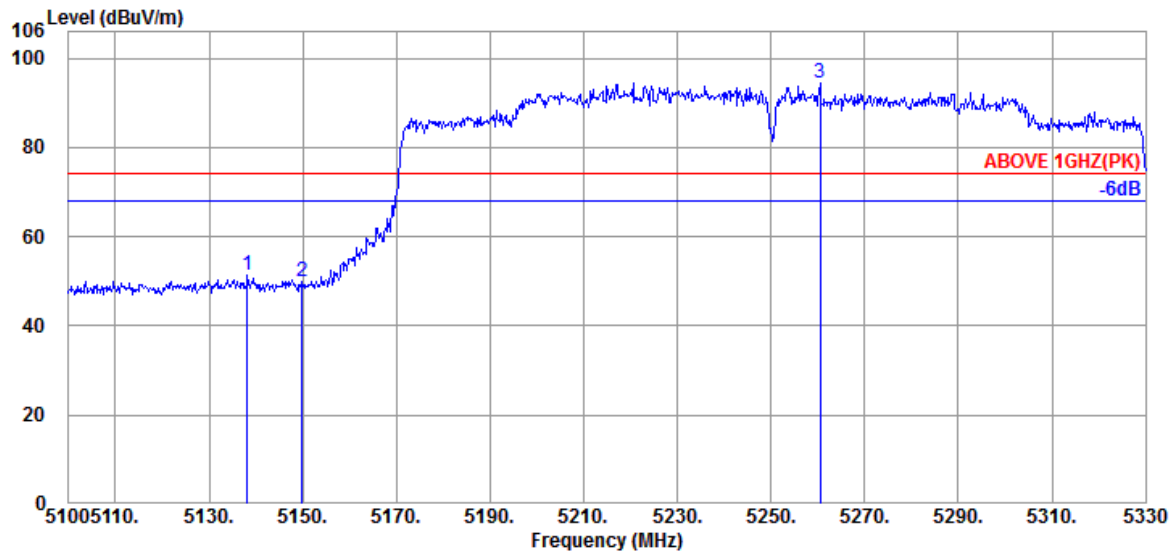
Antenna at Vertical Polarization



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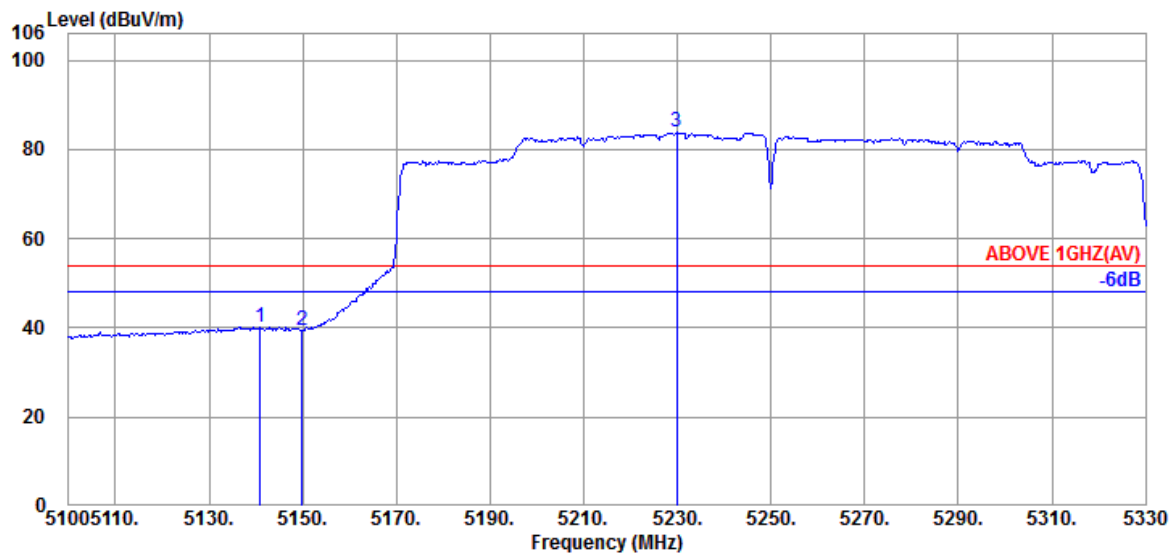
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Mode	802.11ax-HE160	Band	NII-I &NII-2A
		Frequency	TX 5250MHz



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
5138.180	34.37	10.35	34.39	41.12	51.45	74.00	22.55	Peak
5149.910	34.40	10.36	34.38	39.39	49.77	74.00	24.23	Peak
@ 5260.540	34.50	10.43	34.34	83.82	94.41	---	---	Peak



Antenna at Horizontal Polarization

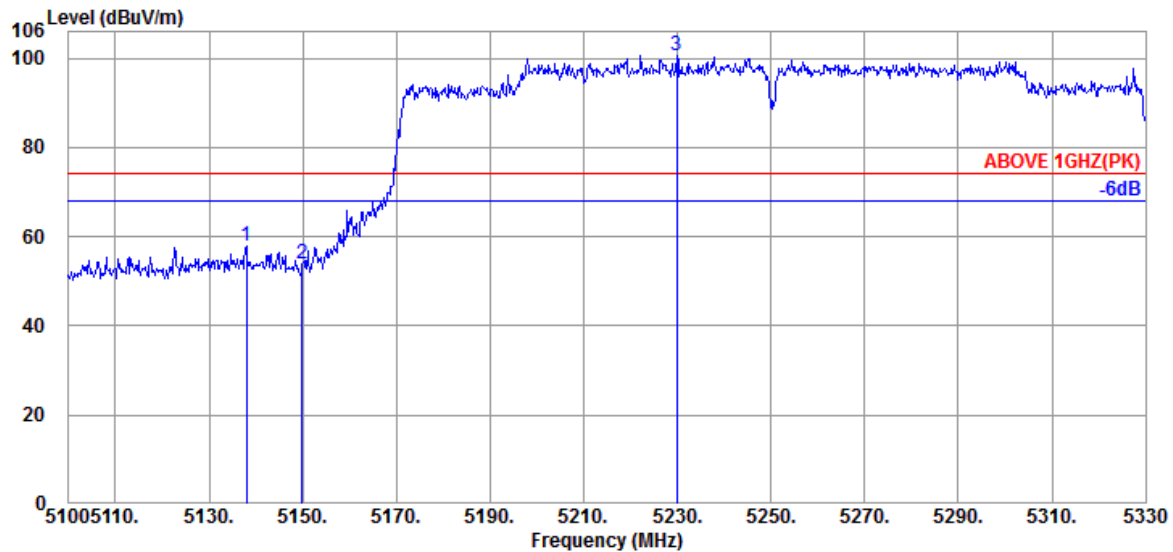
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5140.940	34.37	10.36	34.38	29.84	40.19	54.00	13.81	Average
5149.910	34.40	10.36	34.38	29.04	39.42	54.00	14.58	Average
@ 5229.950	34.50	10.41	34.35	73.19	83.75	---	---	Average

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

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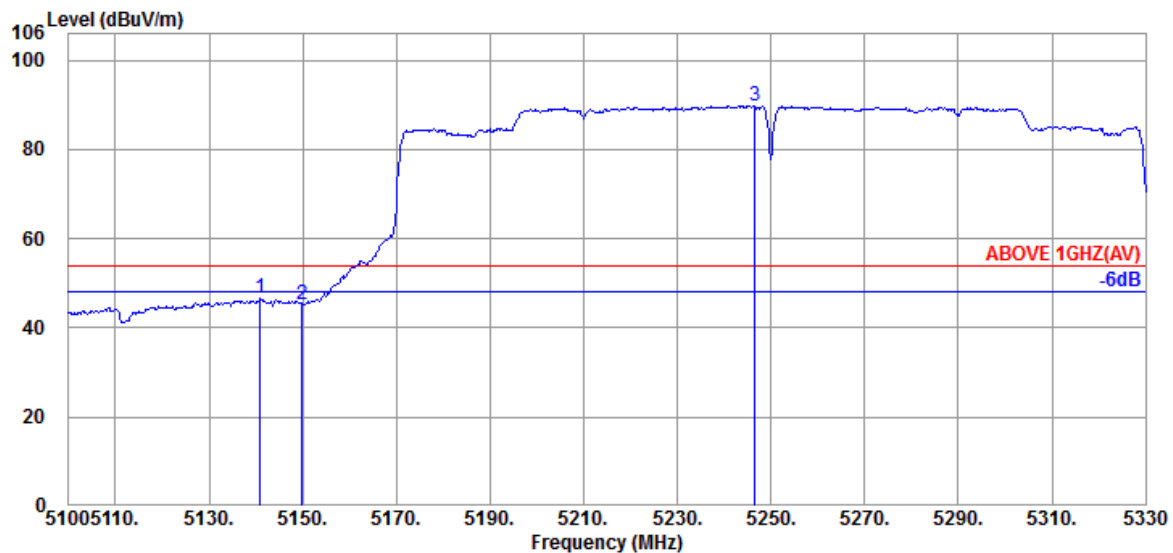
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Mode	802.11ax-HE160	Band	NII-I &NII-2A
		Frequency	TX 5250MHz



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
5137.950	34.37	10.35	34.39	47.69	58.02	74.00	15.98	Peak
5149.910	34.40	10.36	34.38	43.41	53.79	74.00	20.21	Peak
@ 5229.950	34.50	10.41	34.35	90.08	100.64	---	---	Peak



Antenna at Vertical Polarization

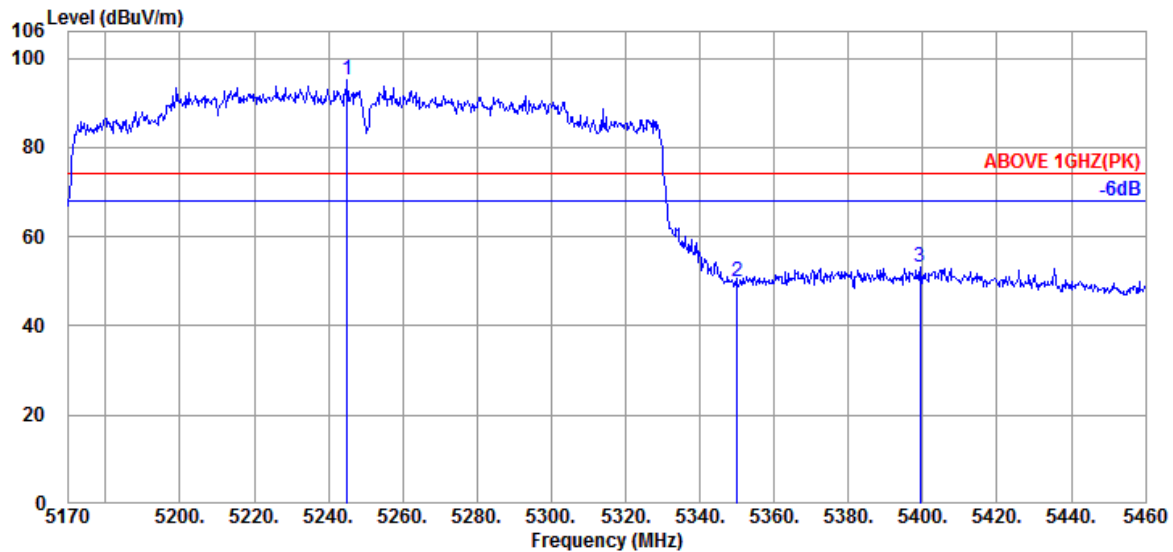
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5140.940	34.37	10.36	34.38	36.27	46.62	54.00	7.38	Average
5149.910	34.40	10.36	34.38	35.00	45.38	54.00	8.62	Average
@ 5246.510	34.50	10.42	34.35	79.29	89.86	---	---	Average

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

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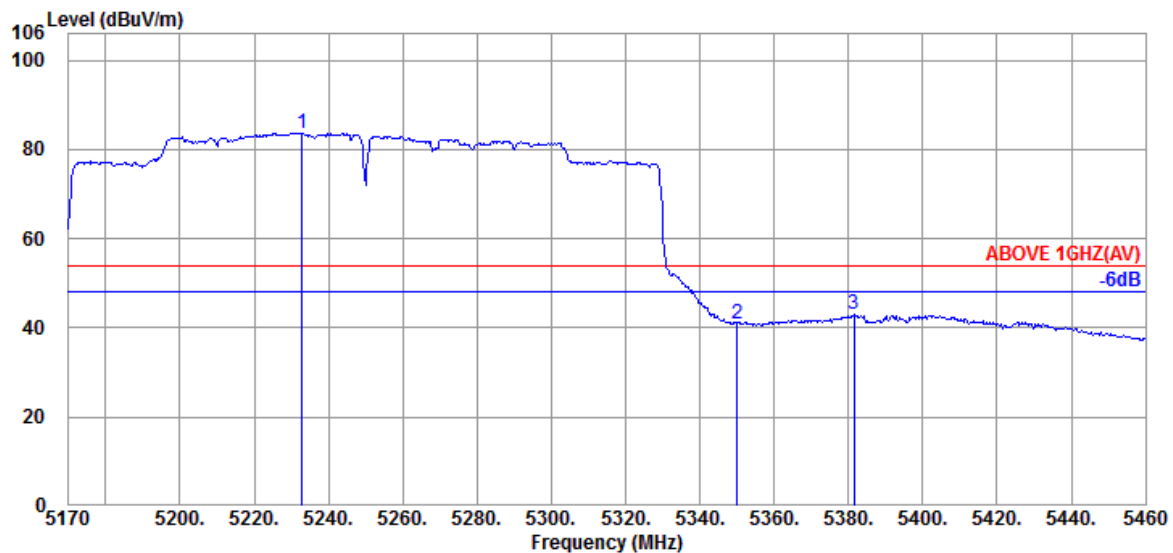
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Mode	802.11ax-HE160	Band	NII-I &NII-2A
		Frequency	TX 5250MHz



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
@	5245.110	34.50	10.42	34.35	84.72	95.29	---	---	Peak
	5350.090	34.60	10.48	34.31	39.17	49.94	74.00	24.06	Peak
	5399.390	34.60	10.50	34.30	42.36	53.16	74.00	20.84	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
@	5232.930	34.50	10.41	34.35	73.12	83.68	---	---	Average
	5350.090	34.60	10.48	34.31	30.16	40.93	54.00	13.07	Average
	5381.410	34.60	10.49	34.30	32.29	43.08	54.00	10.92	Average

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

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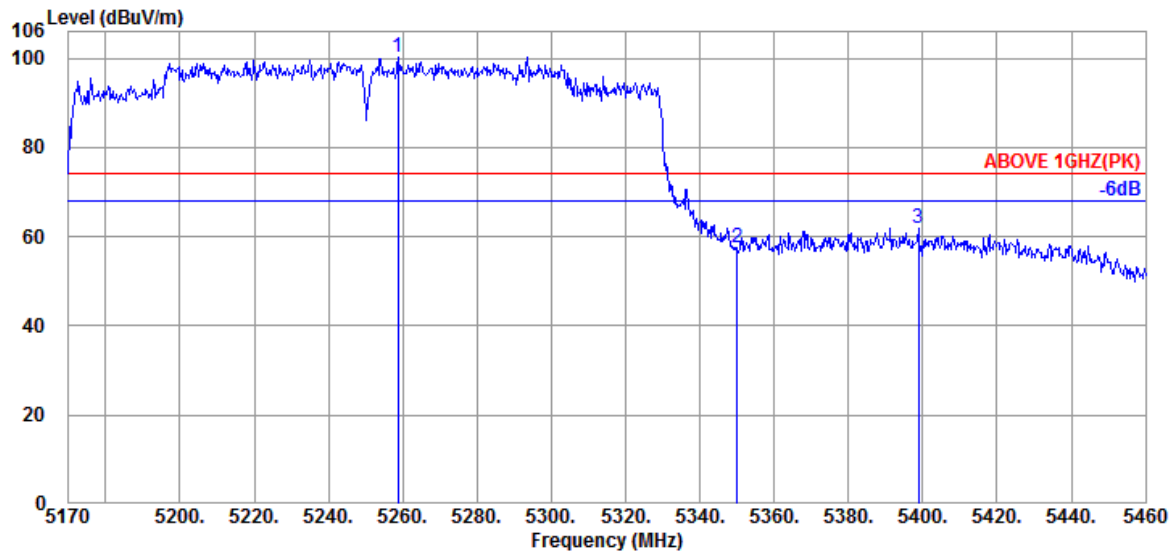
No. 53-11, Dingfu, Linkou, Dist.,

New Taipei City244, Taiwan

Tel: +886 2 26099301

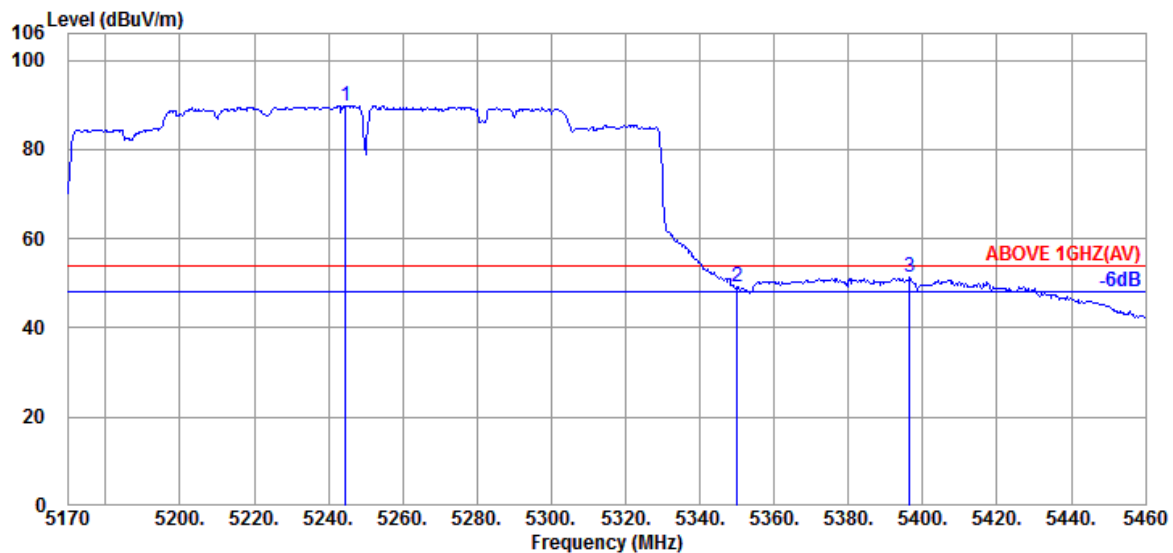
Fax: +886 2 26099303

Mode	802.11ax-HE160	Band	NII-I &NII-2A
		Frequency	TX 5250MHz



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
@ 5258.740	34.50	10.43	34.34	89.76	100.35	---	---	Peak
5350.090	34.60	10.48	34.31	46.72	57.49	74.00	16.51	Peak
5398.810	34.60	10.50	34.30	51.13	61.93	74.00	12.07	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
@ 5244.530	34.50	10.42	34.35	79.24	89.81	---	---	Average
5350.090	34.60	10.48	34.31	38.43	49.20	54.00	4.80	Average
5396.490	34.60	10.50	34.30	40.71	51.51	54.00	2.49	Average

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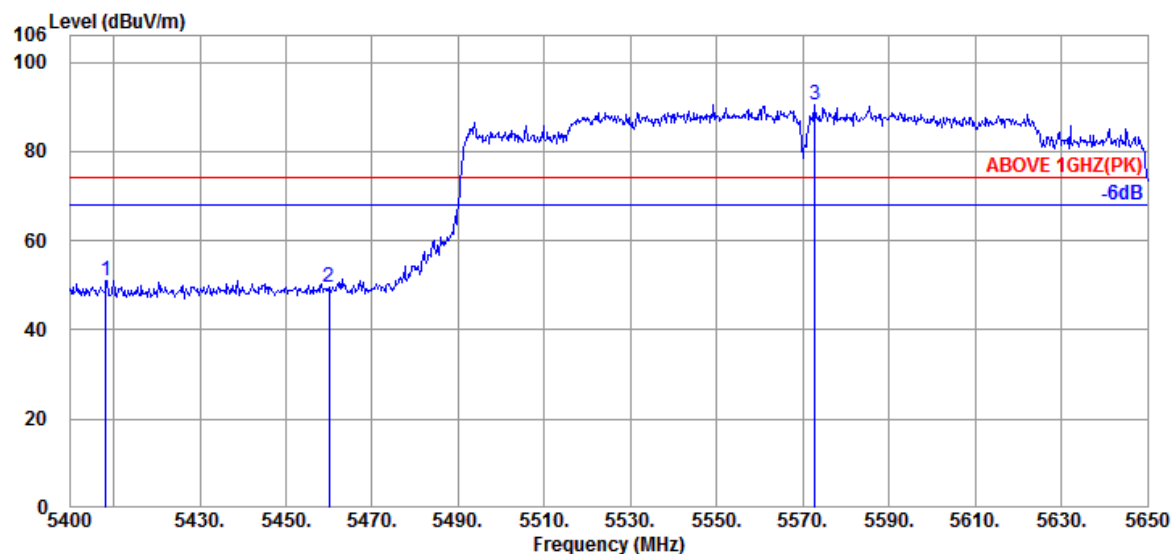
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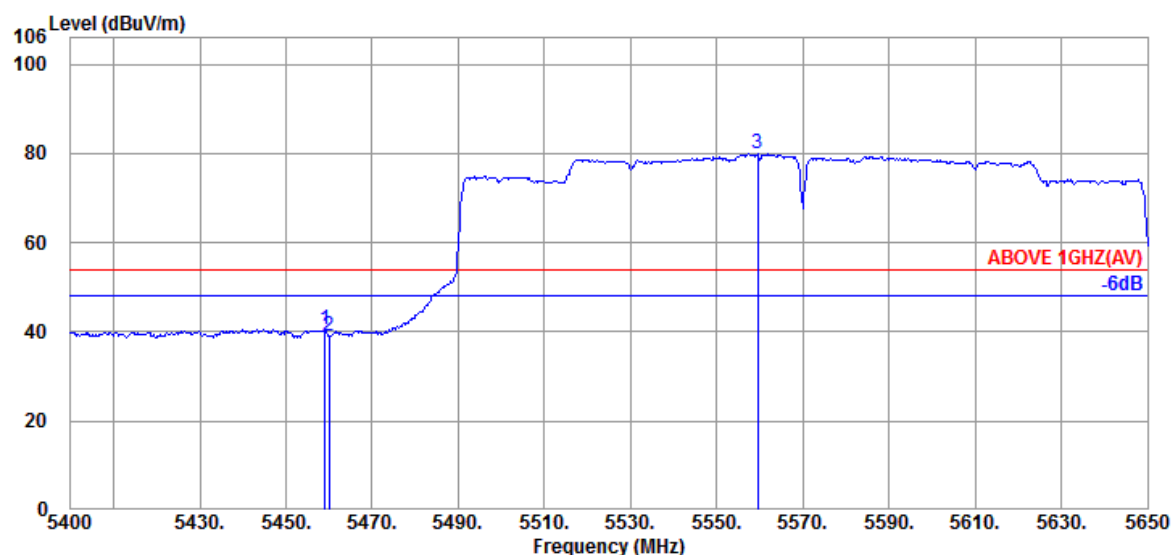
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Mode	802.11ax-HE160	Band	NII-2C
		Frequency	TX 5570MHz



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
5408.250	34.62	10.50	34.30	40.18	51.00	74.00	23.00	Peak
5460.000	34.70	10.53	34.28	38.76	49.71	74.00	24.29	Peak
@ 5572.750	34.60	10.65	34.30	79.43	90.38	---	---	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
5459.000	34.70	10.53	34.28	29.63	40.58	54.00	13.42	Average
5460.000	34.70	10.53	34.28	28.14	39.09	54.00	14.91	Average
@ 5559.500	34.60	10.63	34.30	69.01	79.94	---	---	Average

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Report Number: EM-F200418

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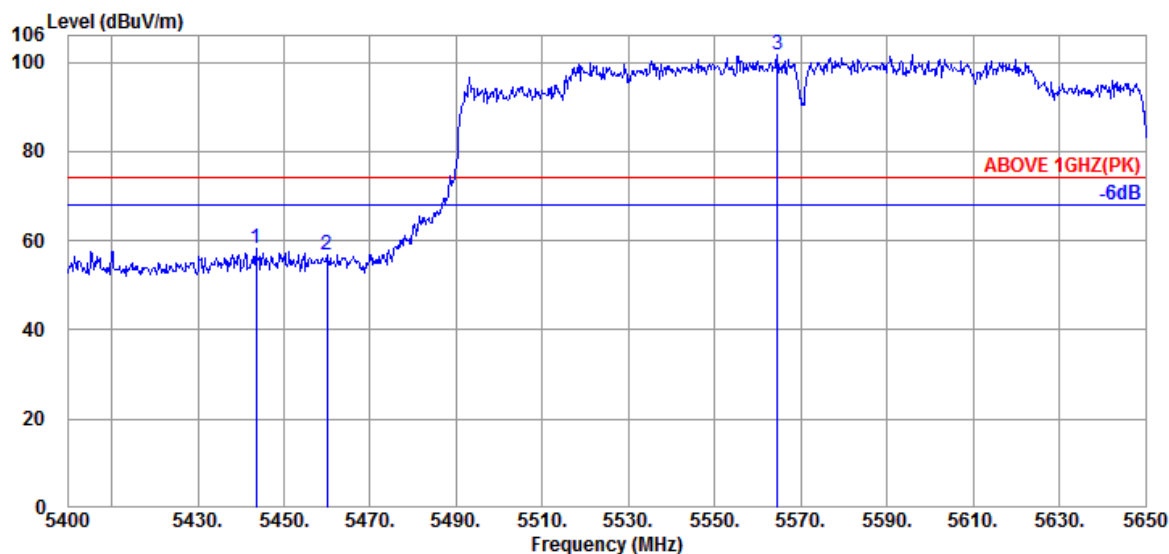
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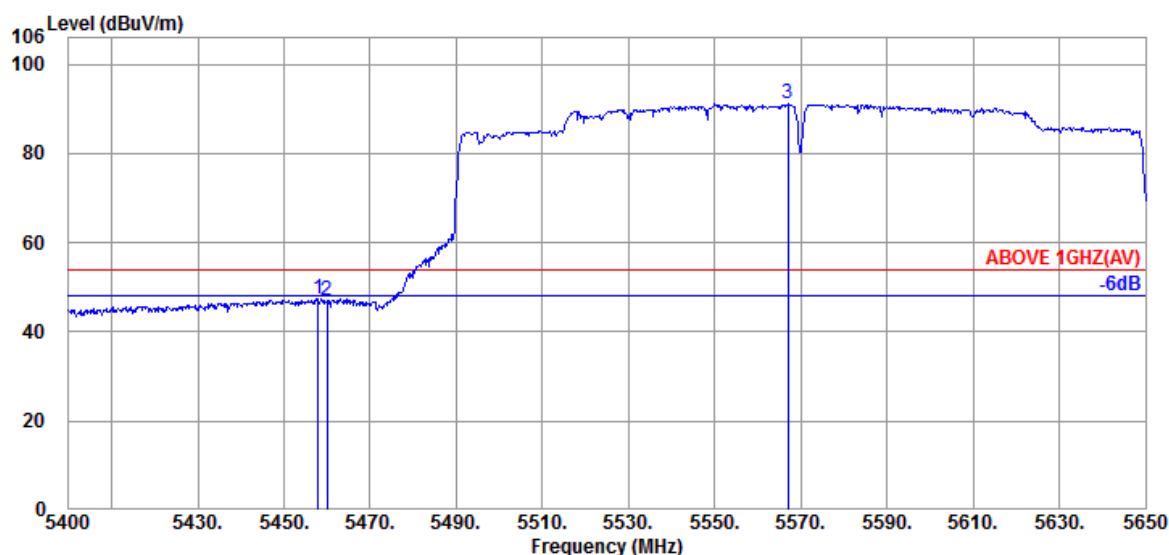
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Mode	802.11ax-HE160	Band	NII-2C
		Frequency	TX 5570MHz



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
5443.500	34.67	10.52	34.29	47.17	58.07	74.00	15.93	Peak
5460.000	34.70	10.53	34.28	45.77	56.72	74.00	17.28	Peak
@ 5564.500	34.60	10.63	34.30	90.57	101.50	---	---	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
5458.000	34.70	10.53	34.28	36.43	47.38	54.00	6.62	Average
5460.000	34.70	10.53	34.28	36.02	46.97	54.00	7.03	Average
@ 5567.000	34.60	10.65	34.30	80.11	91.06	---	---	Average

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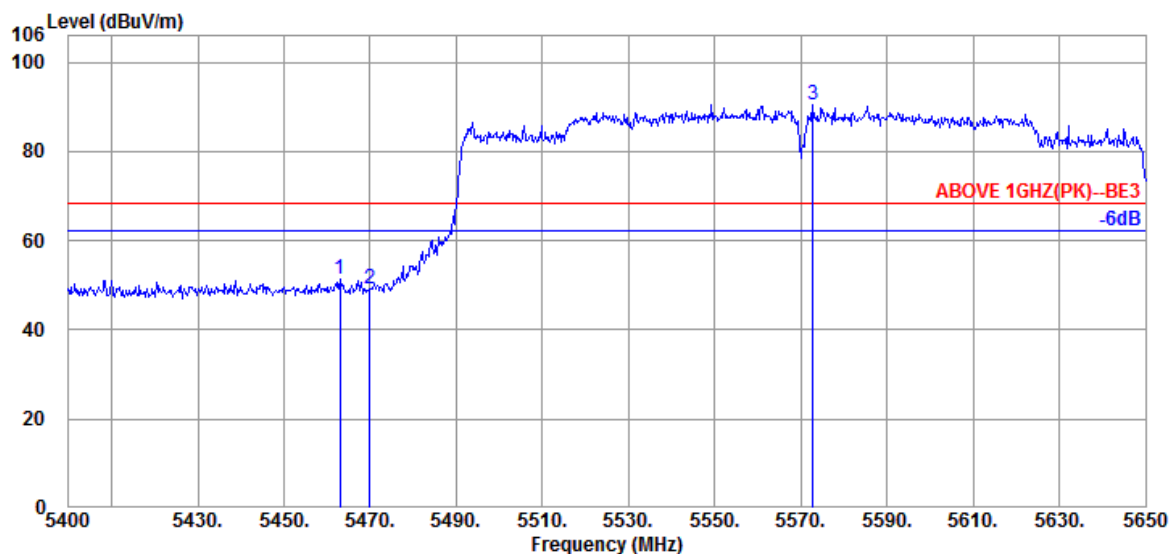
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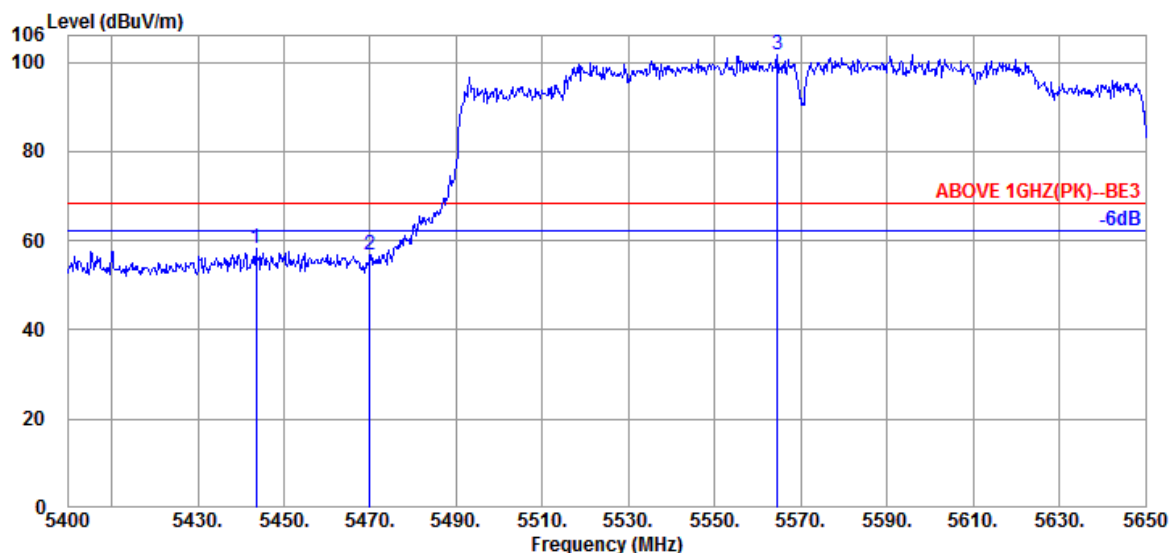
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Mode	802.11ax-HE160	Band	NII-2C
		Frequency	TX 5570MHz



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
@ 5463.000	34.70	10.54	34.28	40.45	51.41	68.20	16.79	Peak
5470.000	34.67	10.54	34.28	38.22	49.15	68.20	19.05	Peak
5572.750	34.60	10.65	34.30	79.43	90.38	---	---	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
@ 5443.500	34.67	10.52	34.29	47.17	58.07	68.20	10.13	Peak
5470.000	34.67	10.54	34.28	45.98	56.91	68.20	11.29	Peak
5564.500	34.60	10.63	34.30	90.57	101.50	---	---	Peak

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

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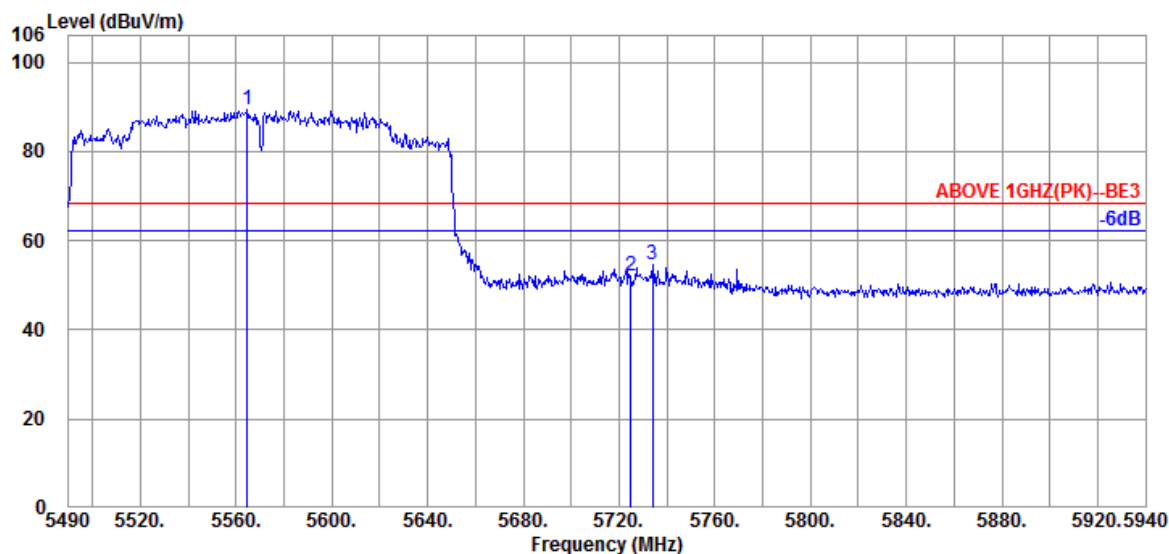
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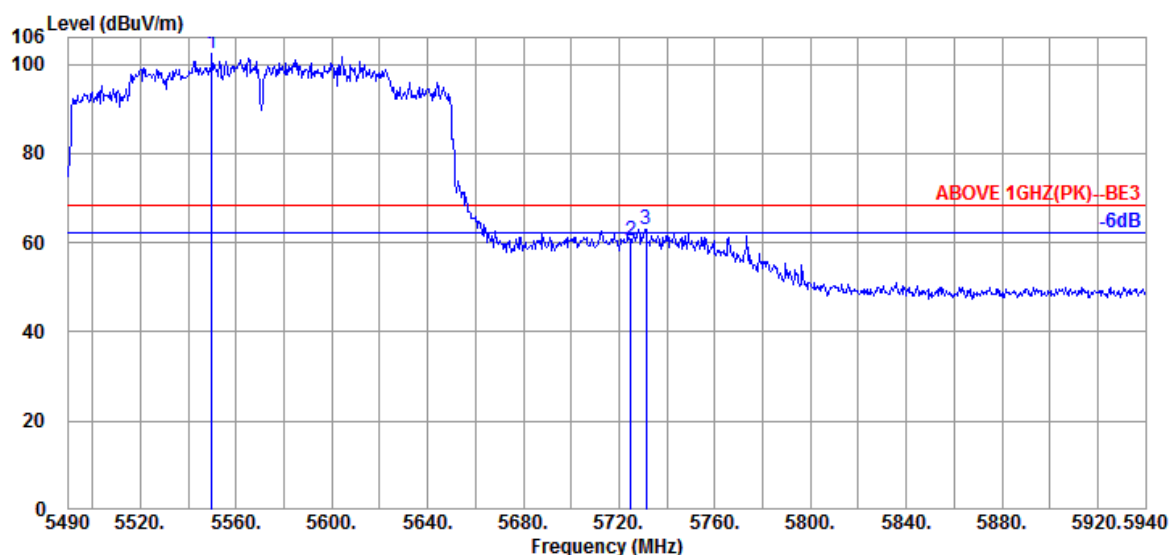
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Mode	802.11ax-HE160	Band	NII-2C
		Frequency	TX 5570MHz



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
@ 5564.700	34.60	10.65	34.30	78.25	89.20	---	---	Peak
5724.900	34.80	10.84	34.37	40.75	52.02	68.20	16.18	Peak
5733.900	34.80	10.84	34.38	43.40	54.66	68.20	13.54	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
@ 5549.850	34.60	10.63	34.30	91.37	102.30	---	---	Peak
5724.900	34.80	10.84	34.37	49.10	60.37	68.20	7.83	Peak
5731.200	34.80	10.84	34.38	51.71	62.97	68.20	5.23	Peak

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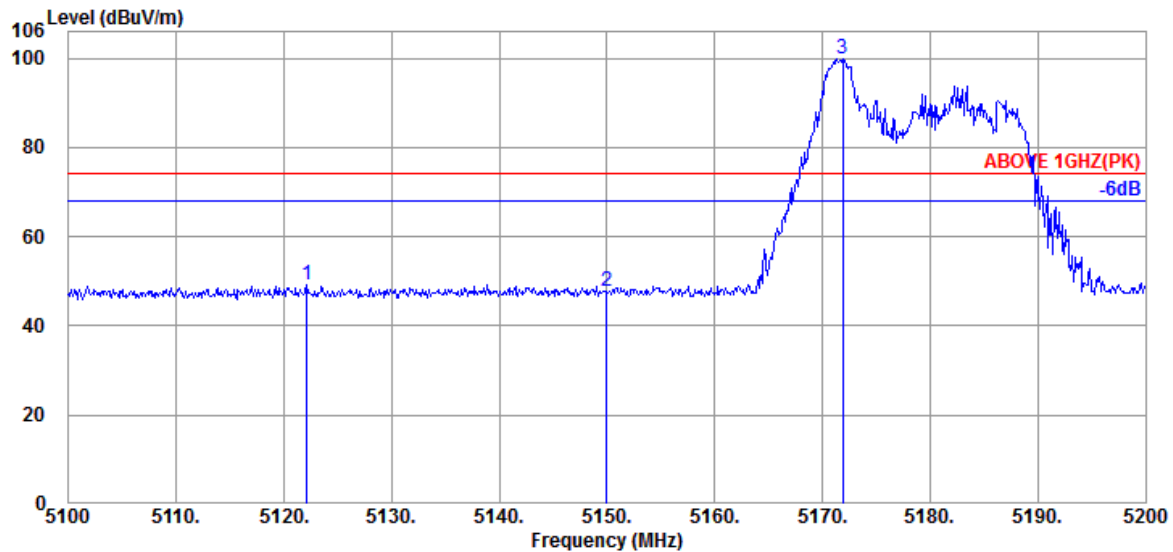
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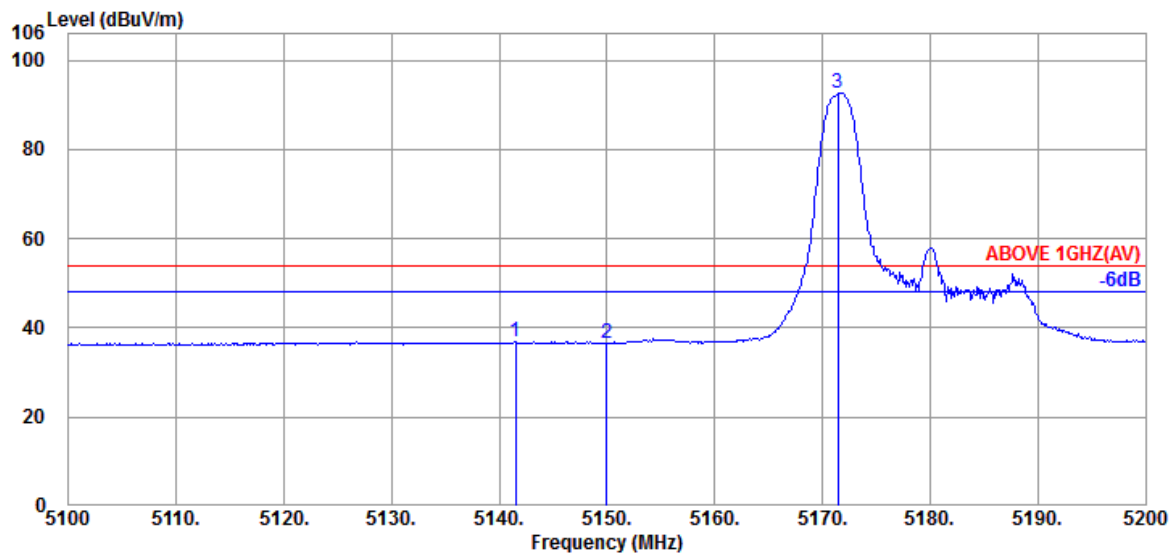
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Mode	802.11ax-HE20	Band	NII-I
RU Configuration	26/0	Frequency	TX 5180MHz



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
5122.100	34.33	10.35	34.39	38.85	48.73	74.00	25.27	Peak
5150.000	34.40	10.36	34.38	37.34	46.23	74.00	27.77	Peak
@ 5171.900	34.47	10.37	34.37	89.47	86.86	---	---	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
5141.500	34.37	10.36	34.38	26.71	37.12	54.00	16.88	Average
5150.000	34.40	10.36	34.38	26.28	36.75	54.00	17.25	Average
@ 5171.400	34.43	10.37	34.37	82.28	80.66	---	---	Average

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

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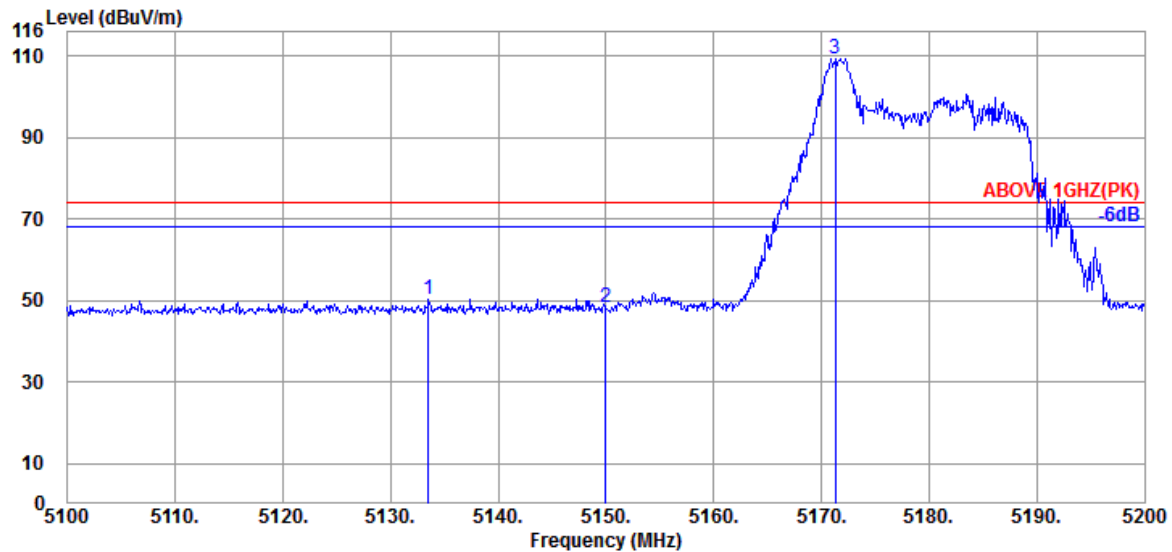
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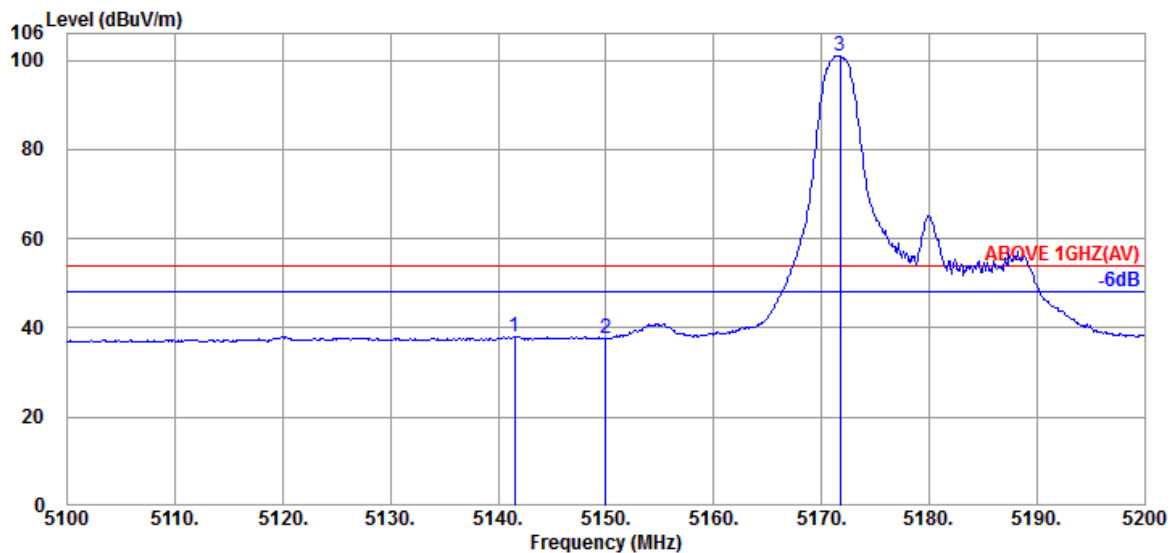
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Mode	802.11ax-HE20	Band	NII-I
RU Configuration	26/0	Frequency	TX 5180MHz



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
5133.500	34.37	10.35	34.39	40.03	50.36	74.00	23.64	Peak
5150.000	34.40	10.36	34.38	37.83	48.21	74.00	25.79	Peak
@ 5171.300	34.43	10.37	34.37	98.86	109.29	---	---	Peak



Antenna at Vertical Polarization

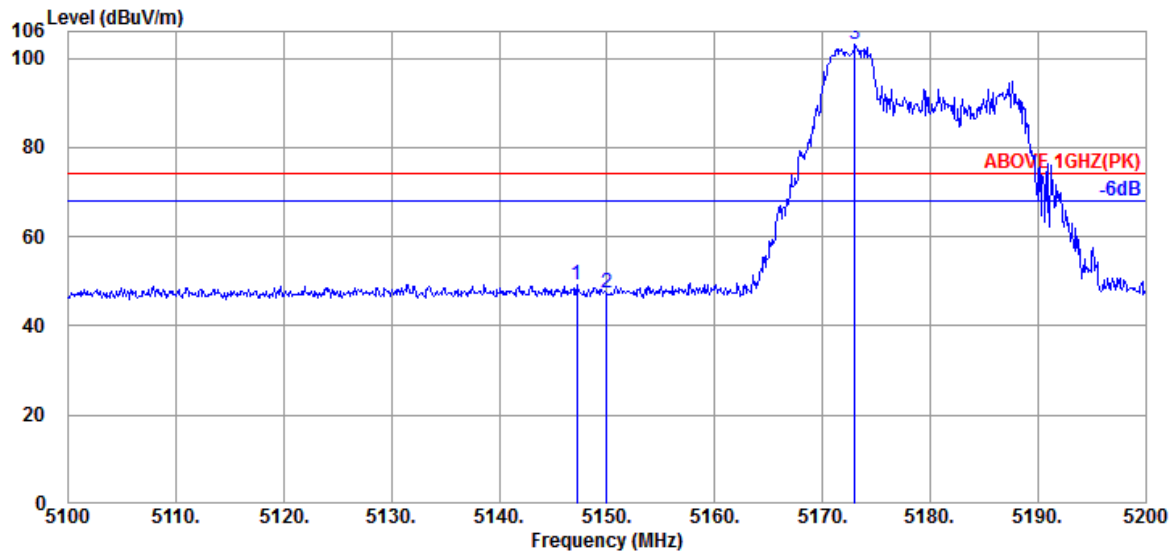
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5141.500	34.37	10.36	34.38	27.75	38.10	54.00	15.90	Average
5150.000	34.40	10.36	34.38	27.42	37.80	54.00	16.20	Average
@ 5171.700	34.47	10.37	34.37	90.41	100.88	---	---	Average

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

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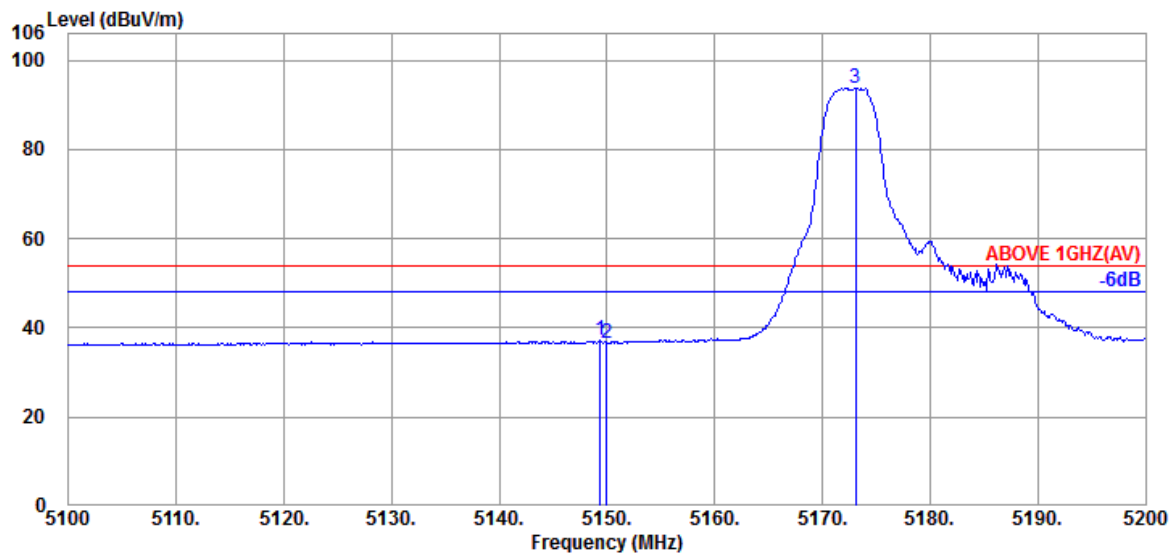
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Mode	802.11ax-HE20	Band	NII-I
RU Configuration	52/37	Frequency	TX 5180MHz



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
5147.200	34.40	10.36	34.38	38.91	49.29	74.00	24.71	Peak
5150.000	34.40	10.36	34.38	37.03	47.41	74.00	26.59	Peak
@ 5173.000	34.47	10.37	34.37	92.70	103.17	---	---	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	34.40	10.36	34.38	26.75	37.13	54.00	16.87	Average
5150.000	34.40	10.36	34.38	26.33	36.71	54.00	17.29	Average
@ 5173.100	34.47	10.37	34.37	83.36	93.83	---	---	Average

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

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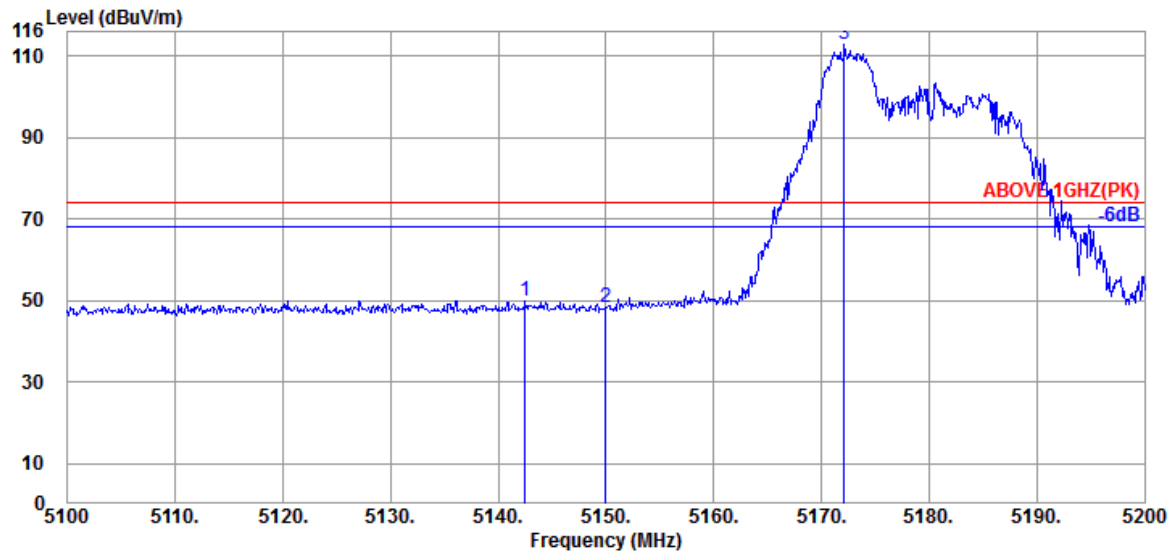
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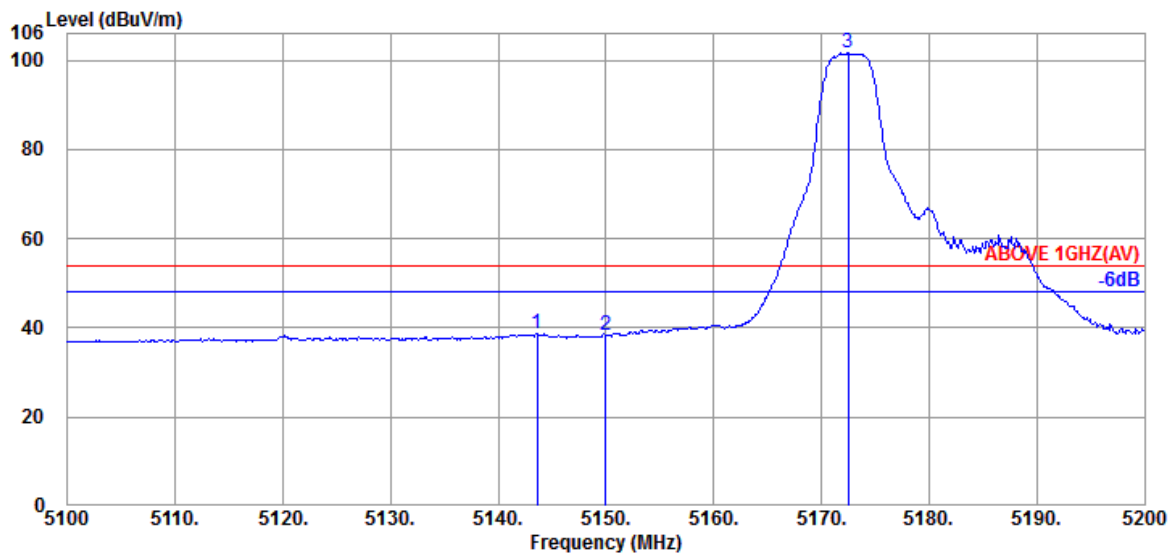
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Mode	802.11ax-HE20	Band	NII-I
RU Configuration	52/37	Frequency	TX 5180MHz



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
5142.500	34.40	10.36	34.38	39.56	49.94	74.00	24.06	Peak
5150.000	34.40	10.36	34.38	37.88	48.26	74.00	25.74	Peak
@ 5172.100	34.47	10.37	34.37	102.29	112.76	---	---	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
5143.600	34.40	10.36	34.38	28.23	38.61	54.00	15.39	Average
5150.000	34.40	10.36	34.38	27.88	38.26	54.00	15.74	Average
@ 5172.500	34.47	10.37	34.37	91.12	101.59	---	---	Average

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

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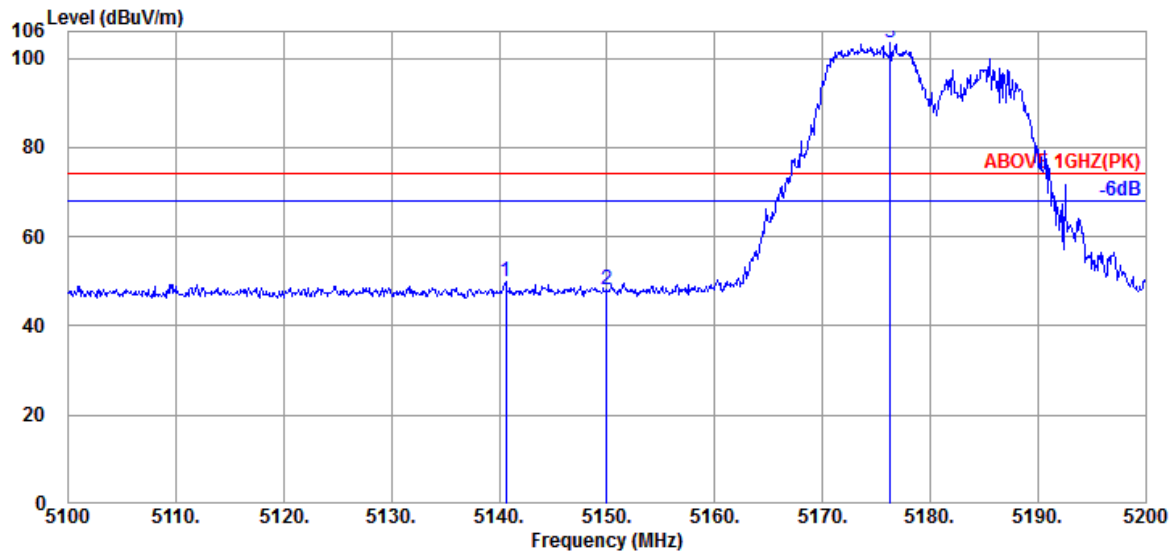
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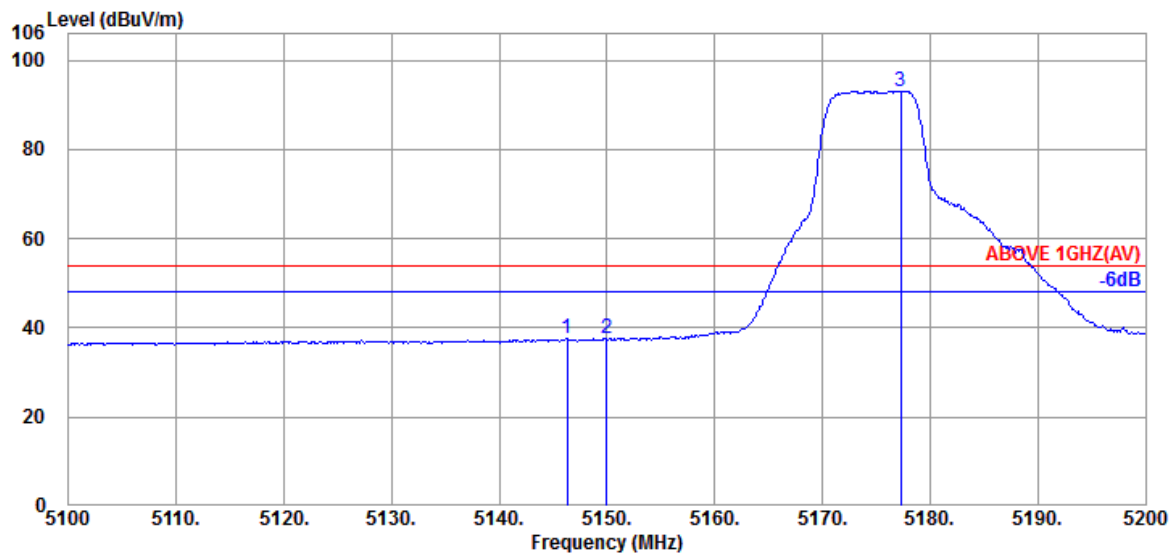
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Mode	802.11ax-HE20	Band	NII-I
RU Configuration	106/53	Frequency	TX 5180MHz



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
5140.600	34.37	10.36	34.38	39.61	49.96	74.00	24.04	Peak
5150.000	34.40	10.36	34.38	37.59	47.97	74.00	26.03	Peak
@ 5176.300	34.47	10.38	34.37	92.84	103.32	---	---	Peak

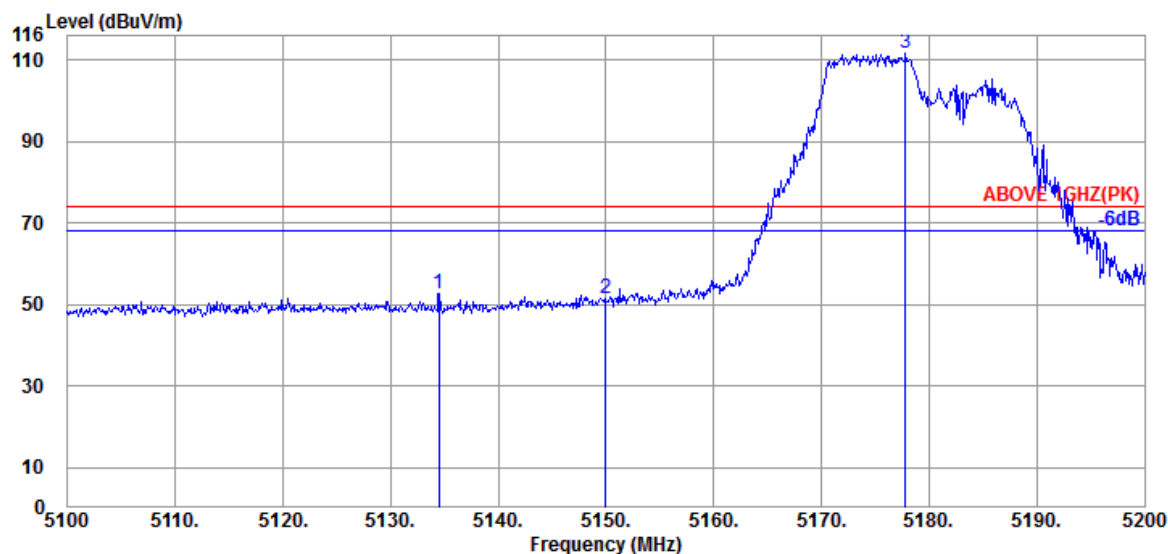


Antenna at Horizontal Polarization

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
5146.300	34.40	10.36	34.38	27.13	37.51	54.00	16.49	Average
5150.000	34.40	10.36	34.38	27.09	37.47	54.00	16.53	Average
@ 5177.300	34.47	10.38	34.37	82.63	93.11	---	---	Average

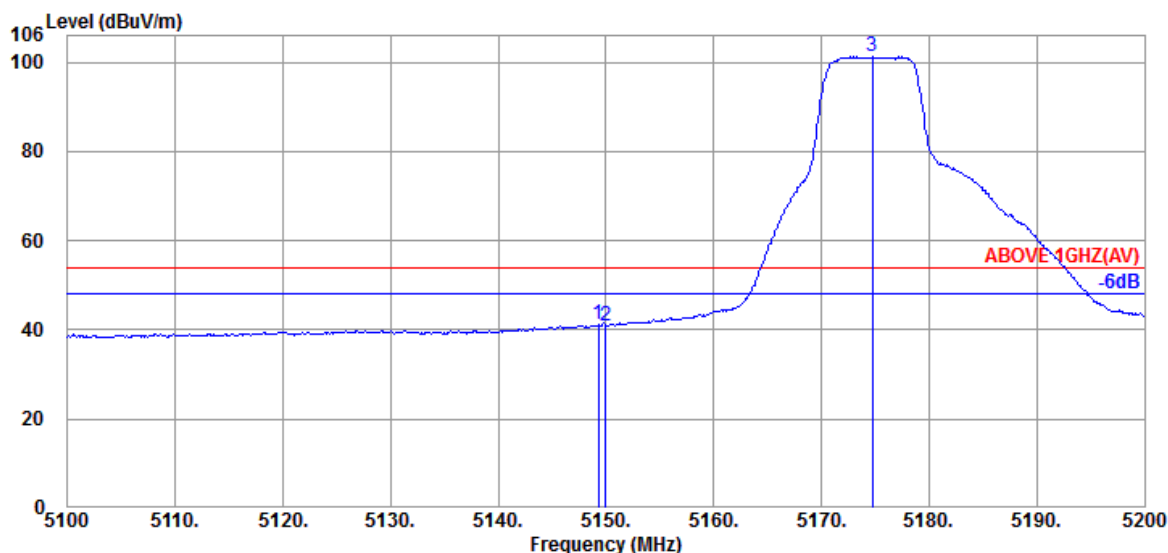
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	802.11ax-HE20	Band	NII-I
RU Configuration	106/53	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
5134.500	34.37	10.35	34.39	42.31	52.64	74.00	21.36	Peak
5150.000	34.40	10.36	34.38	40.96	51.34	74.00	22.66	Peak
@ 5177.800	34.47	10.38	34.37	101.10	111.58	---	---	Peak



Antenna at Vertical Polarization

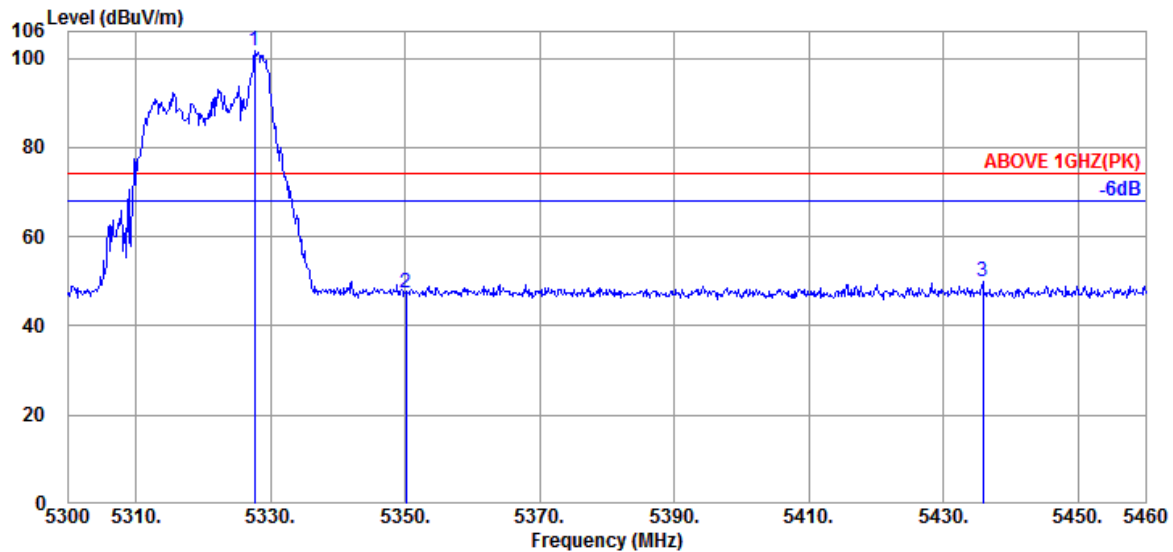
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5149.300	34.40	10.36	34.38	30.71	41.09	54.00	12.91	Average
5150.000	34.40	10.36	34.38	30.51	40.89	54.00	13.11	Average
@ 5174.700	34.47	10.38	34.37	90.80	101.28	---	---	Average

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

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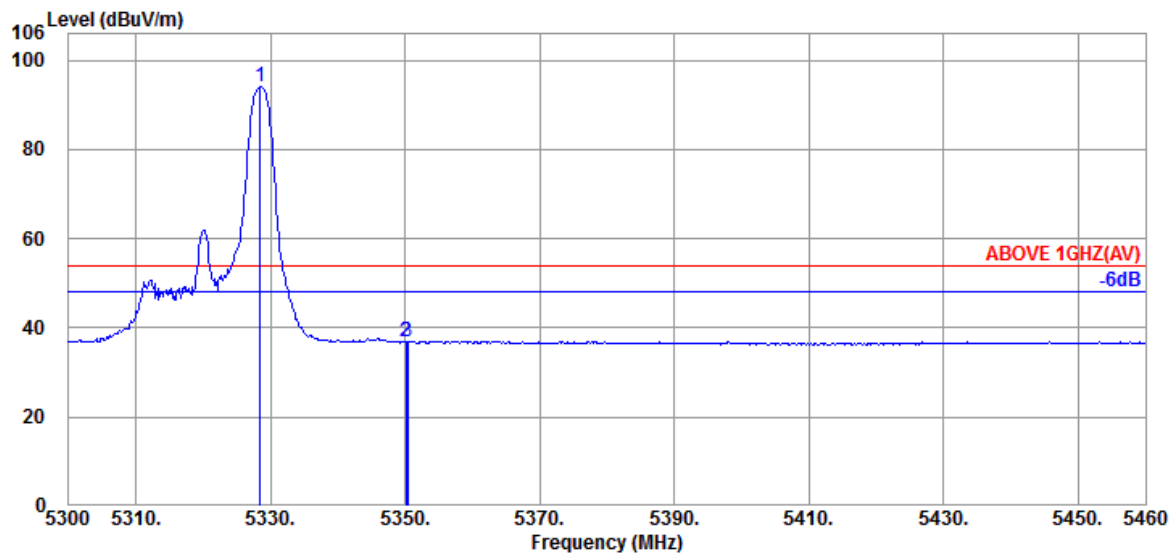
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Mode	802.11ax-HE20	Band	NII-2A
RU Configuration	26/8	Frequency	TX 5320MHz



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
@ 5327.680	34.60	10.47	34.33	90.81	101.55	---	---	Peak
5350.080	34.60	10.48	34.31	36.56	47.33	74.00	26.67	Peak
5435.840	34.67	10.52	34.29	38.90	49.80	74.00	24.20	Peak



Antenna at Horizontal Polarization

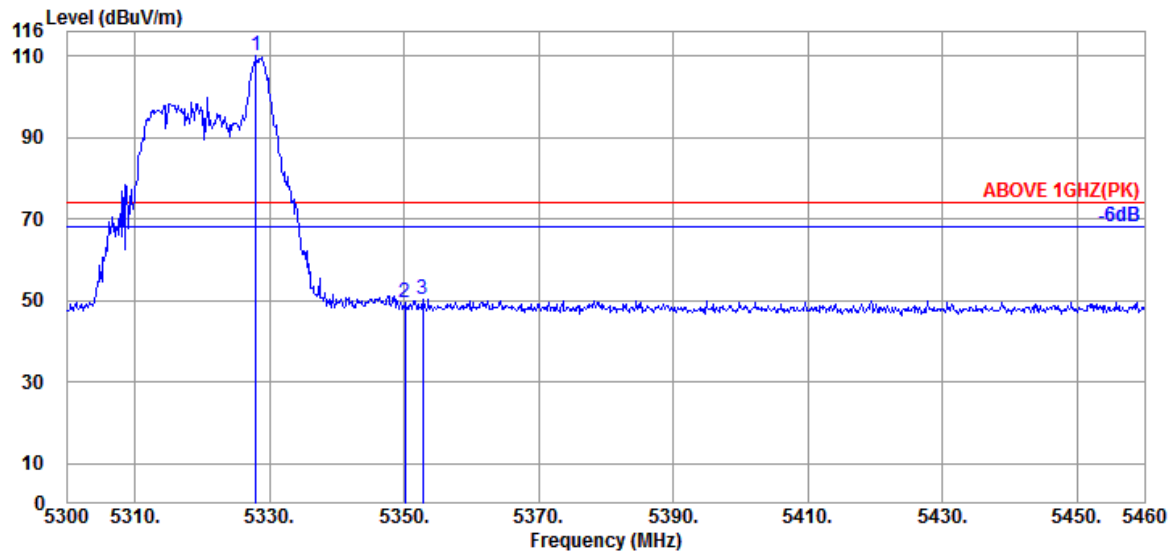
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5328.480	34.60	10.47	34.32	83.30	94.05	---	---	Average
5350.080	34.60	10.48	34.31	26.14	36.91	54.00	17.09	Average
5350.400	34.60	10.48	34.31	26.31	37.08	54.00	16.92	Average

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

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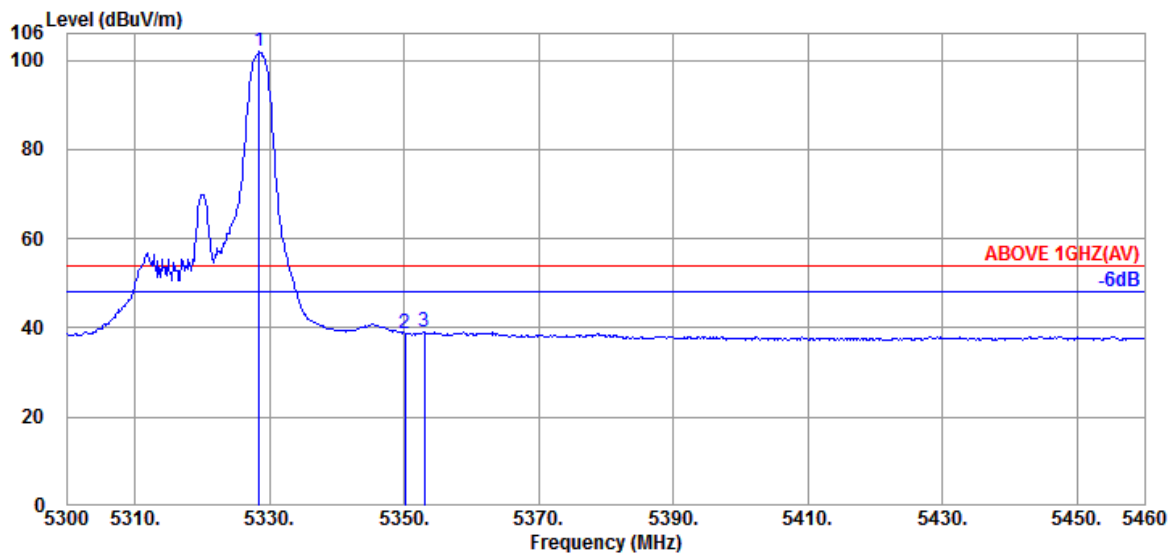
Tel: +886 2 26099301
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Mode	802.11ax-HE20	Band	NII-2A
RU Configuration	26/8	Frequency	TX 5320MHz



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
@ 5328.000	34.60	10.47	34.33	99.34	110.08	---	---	Peak
5350.080	34.60	10.48	34.31	38.73	49.50	74.00	24.50	Peak
5352.800	34.60	10.48	34.31	39.57	50.34	74.00	23.66	Peak



Antenna at Vertical Polarization

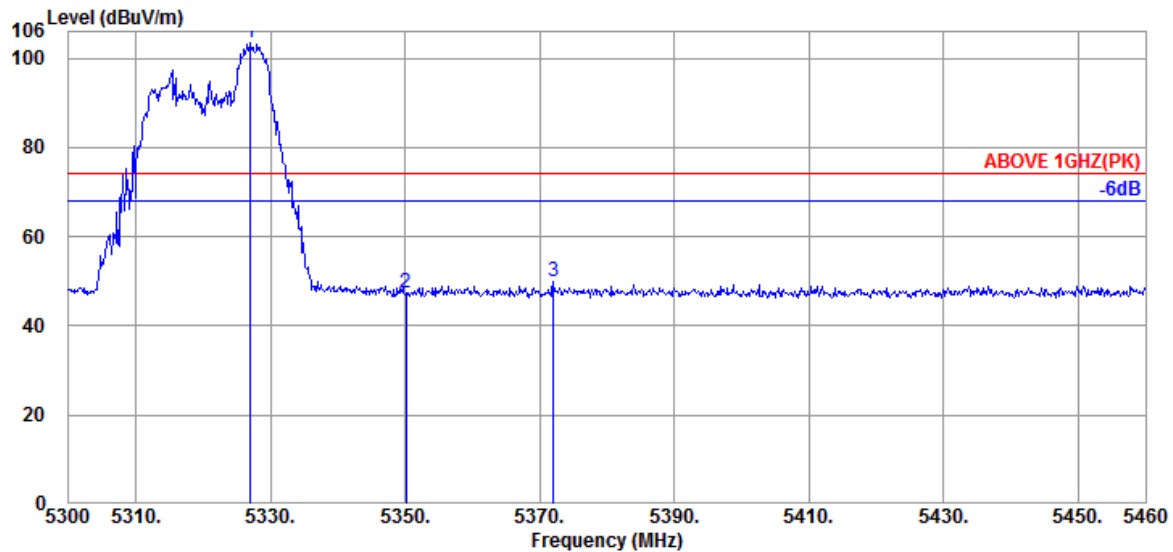
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@ 5328.480	34.60	10.47	34.32	91.17	101.92	---	---	Average
5350.080	34.60	10.48	34.31	28.01	38.78	54.00	15.22	Average
5352.960	34.60	10.48	34.31	28.33	39.10	54.00	14.90	Average

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

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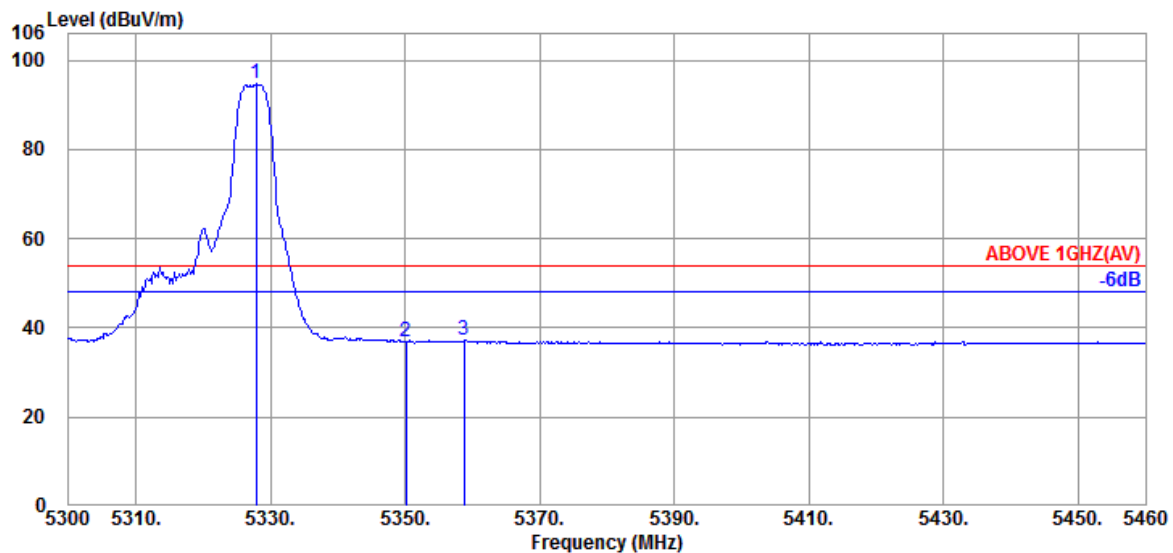
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Mode	802.11ax-HE20	Band	NII-2A
RU Configuration	52/40	Frequency	TX 5320MHz



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
@ 5327.040	34.60	10.47	34.33	92.64	103.38	---	---	Peak
5350.080	34.60	10.48	34.31	36.65	47.42	74.00	26.58	Peak
5372.000	34.60	10.49	34.31	39.01	49.79	74.00	24.21	Peak



Antenna at Horizontal Polarization

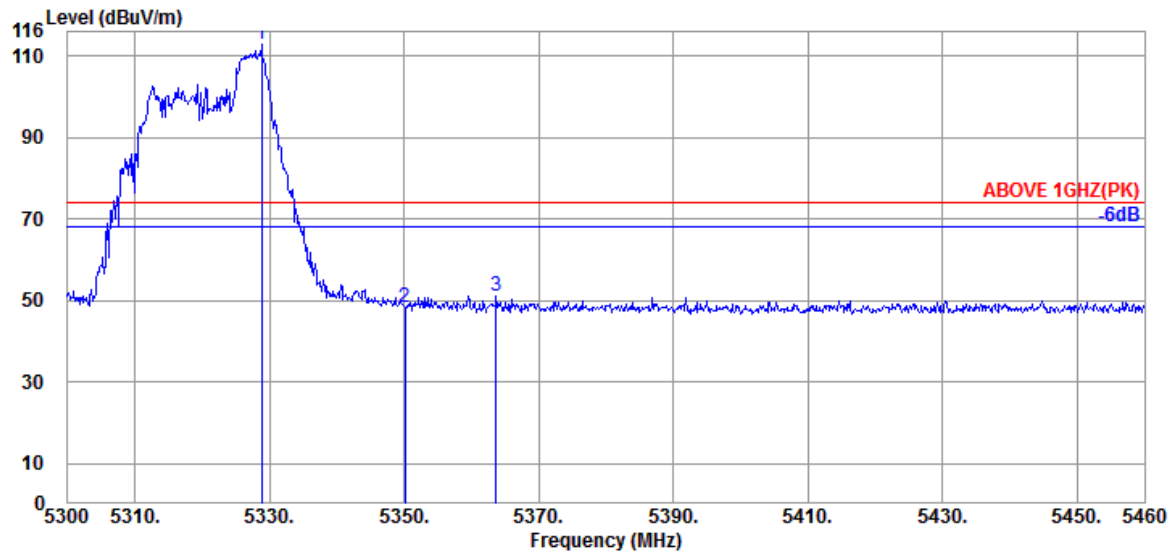
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@ 5327.840	34.60	10.47	34.33	83.89	94.63	---	---	Average
5350.080	34.60	10.48	34.31	26.11	36.88	54.00	17.12	Average
5358.720	34.60	10.48	34.31	26.45	37.22	54.00	16.78	Average

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

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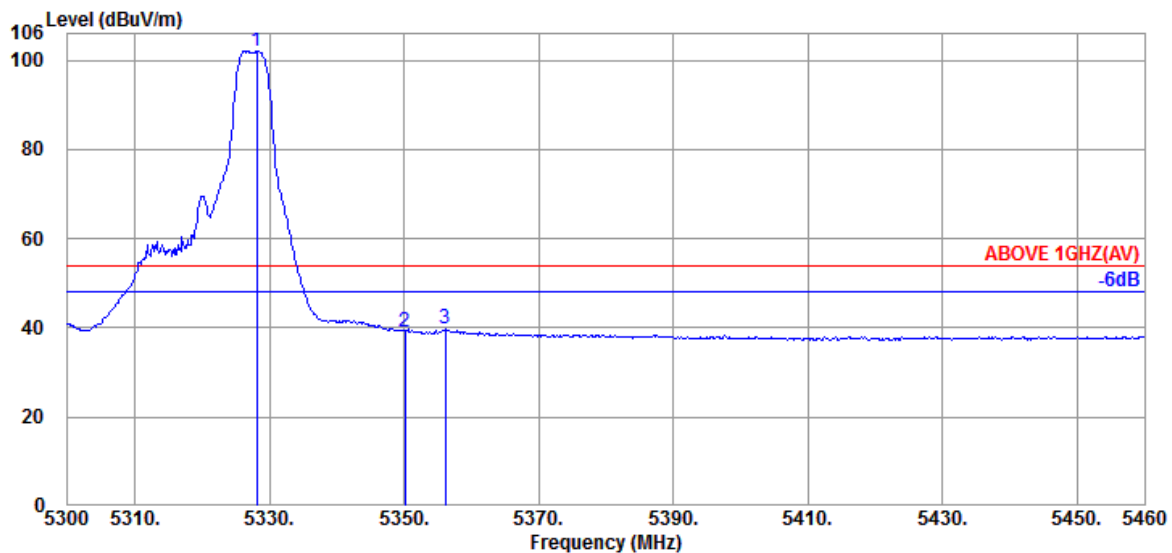
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Mode	802.11ax-HE20	Band	NII-2A
RU Configuration	52/40	Frequency	TX 5320MHz



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
@ 5328.800	34.60	10.47	34.32	101.93	112.68	---	---	Peak
5350.080	34.60	10.48	34.31	37.63	48.40	74.00	25.60	Peak
5363.680	34.60	10.49	34.31	40.40	51.18	74.00	22.82	Peak



Antenna at Vertical Polarization

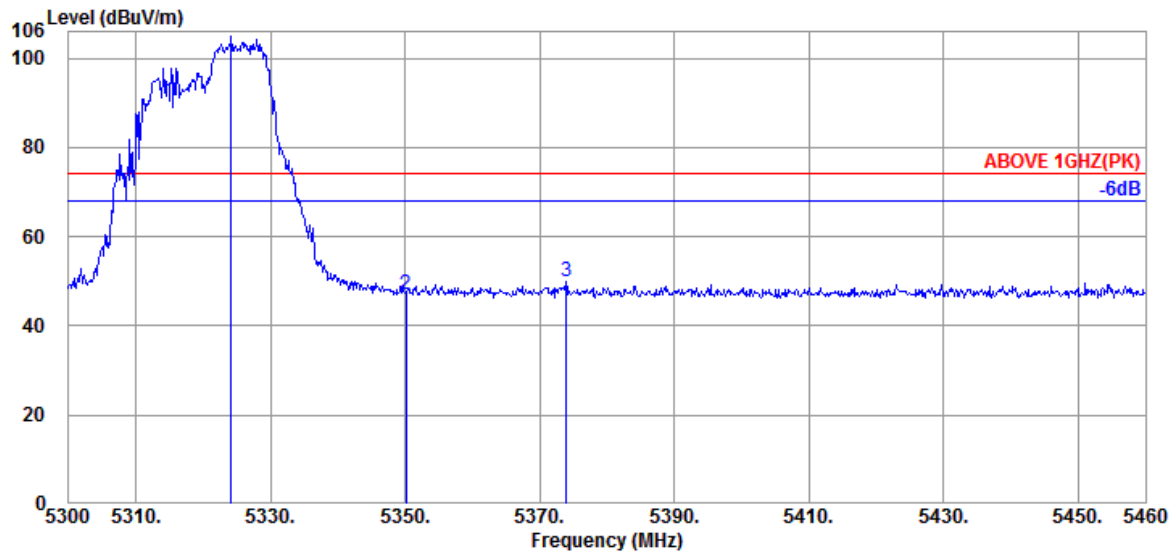
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@ 5328.160	34.60	10.47	34.32	91.31	102.06	---	---	Average
5350.080	34.60	10.48	34.31	28.37	39.14	54.00	14.86	Average
5356.160	34.60	10.48	34.31	28.87	39.64	54.00	14.36	Average

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

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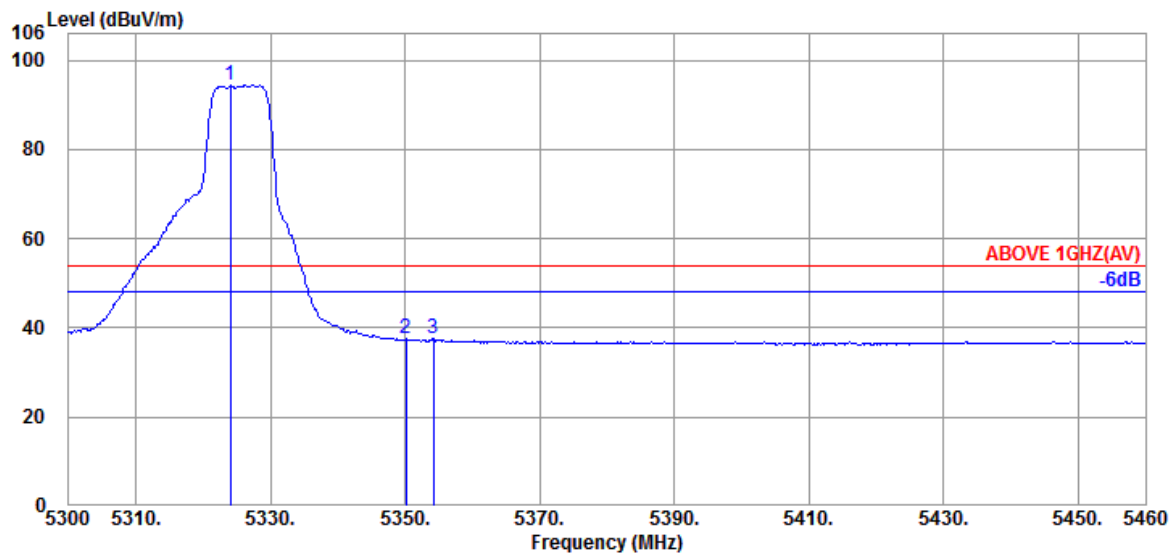
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Mode	802.11ax-HE20	Band	NII-2A
RU Configuration	106/54	Frequency	TX 5320MHz



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
@ 5324.160	34.60	10.46	34.33	94.09	86.87	---	---	Peak
5350.080	34.60	10.48	34.31	36.39	46.39	74.00	27.61	Peak
5373.920	34.60	10.49	34.31	39.00	49.51	74.00	24.49	Peak



Antenna at Horizontal Polarization

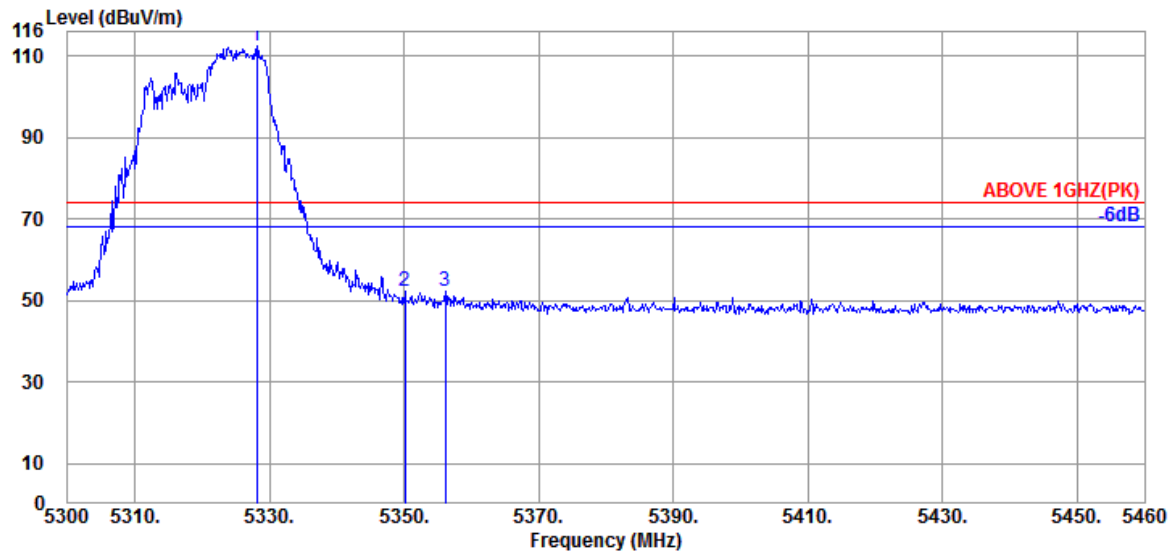
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5324.000	34.60	10.46	34.33	83.62	94.35	---	---	Average
5350.080	34.60	10.48	34.31	26.80	37.57	54.00	16.43	Average
5354.240	34.60	10.48	34.31	26.78	37.55	54.00	16.45	Average

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

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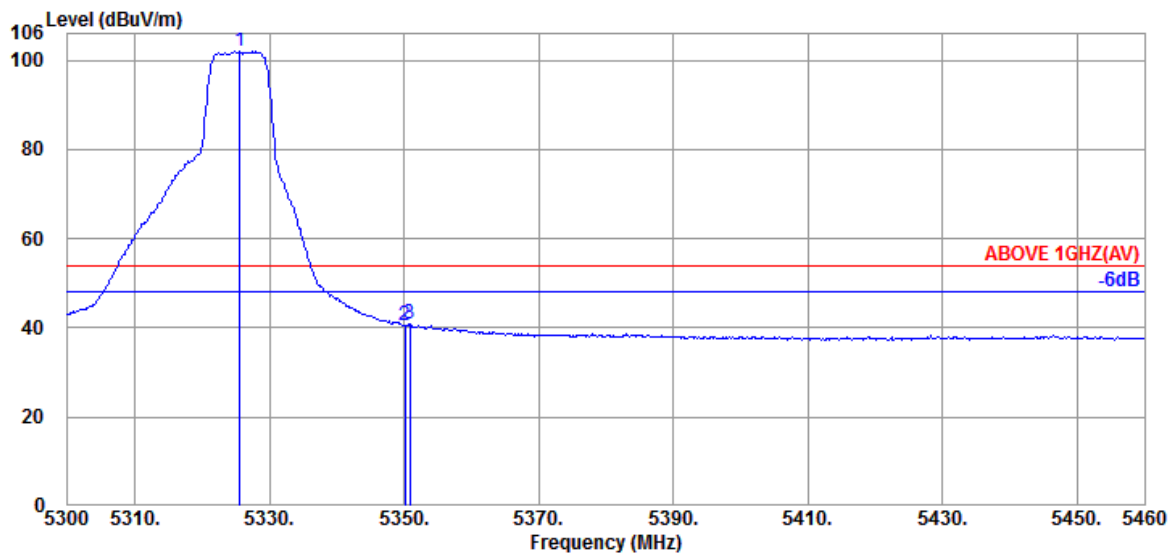
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Mode	802.11ax-HE20	Band	NII-2A
RU Configuration	106/54	Frequency	TX 5320MHz



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
@ 5328.160	34.60	10.47	34.32	101.54	112.29	---	---	Peak
5350.080	34.60	10.48	34.31	41.33	52.10	74.00	21.90	Peak
5356.160	34.60	10.48	34.31	41.40	52.17	74.00	21.83	Peak



Antenna at Vertical Polarization

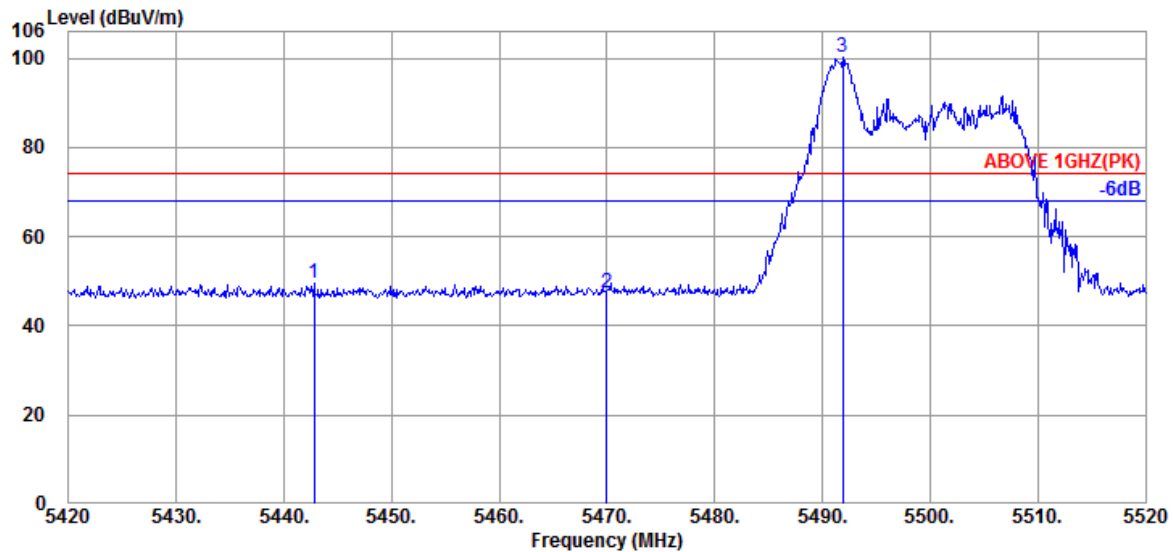
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@ 5325.600	34.60	10.46	34.33	91.22	101.95	---	---	Average
5350.080	34.60	10.48	34.31	29.67	40.44	54.00	13.56	Average
5350.880	34.60	10.48	34.31	30.10	40.87	54.00	13.13	Average

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

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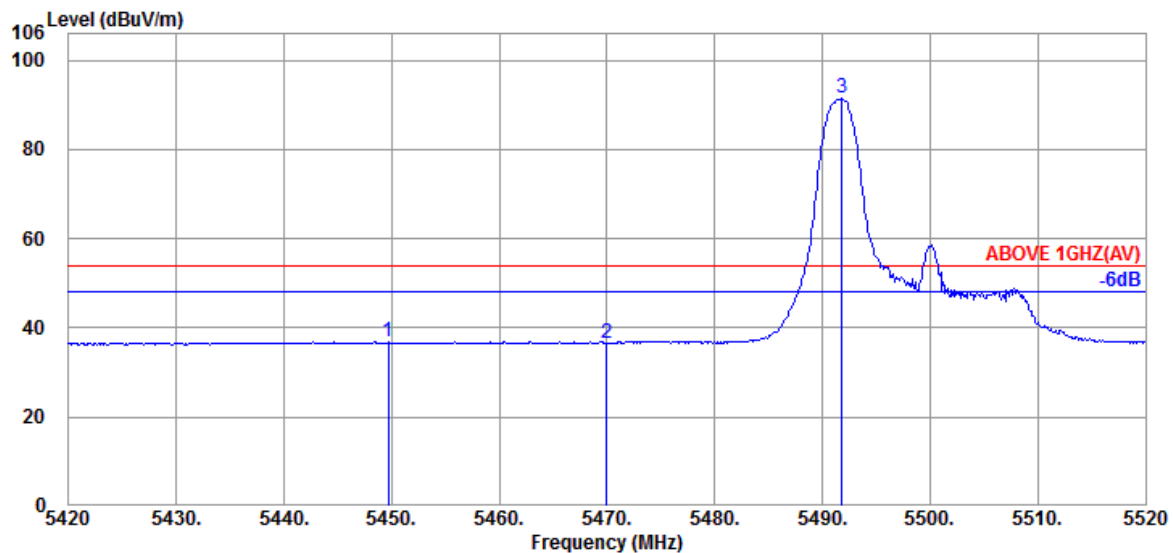
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Mode	802.11ax-HE20	Band	NII-2C
RU Configuration	26/0	Frequency	TX 5500MHz



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
5442.800	34.67	10.52	34.29	38.77	49.67	74.00	24.33	Peak
5470.000	34.67	10.54	34.28	36.57	47.50	74.00	26.50	Peak
@ 5491.900	34.63	10.55	34.27	89.27	100.18	---	---	Peak



Antenna at Horizontal Polarization

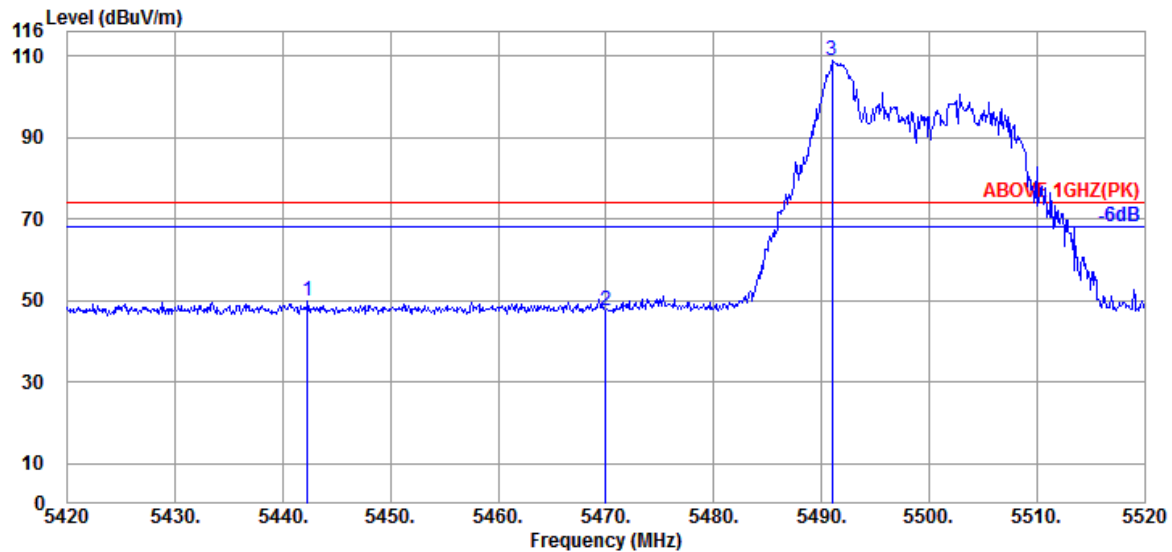
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5449.700	34.70	10.53	34.29	25.92	36.86	54.00	17.14	Average
5470.000	34.67	10.54	34.28	25.65	36.58	54.00	17.42	Average
@ 5491.800	34.63	10.55	34.27	80.53	91.44	---	---	Average

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

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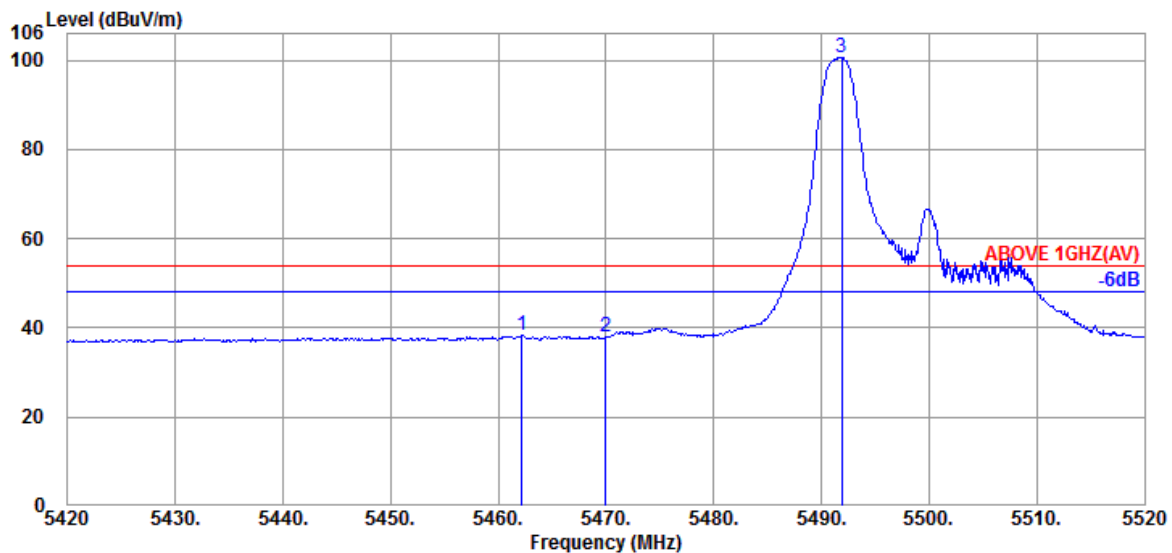
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Mode	802.11ax-HE20	Band	NII-2C
RU Configuration	26/0	Frequency	TX 5500MHz



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
5442.300	34.67	10.52	34.29	38.82	49.72	74.00	24.28	Peak
5470.000	34.67	10.54	34.28	36.50	47.43	74.00	26.57	Peak
@ 5491.000	34.63	10.55	34.27	97.79	108.70	---	---	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
5462.200	34.70	10.53	34.28	27.39	38.34	54.00	15.66	Average
5470.000	34.67	10.54	34.28	27.07	38.00	54.00	16.00	Average
@ 5491.900	34.63	10.55	34.27	89.79	100.70	---	---	Average

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

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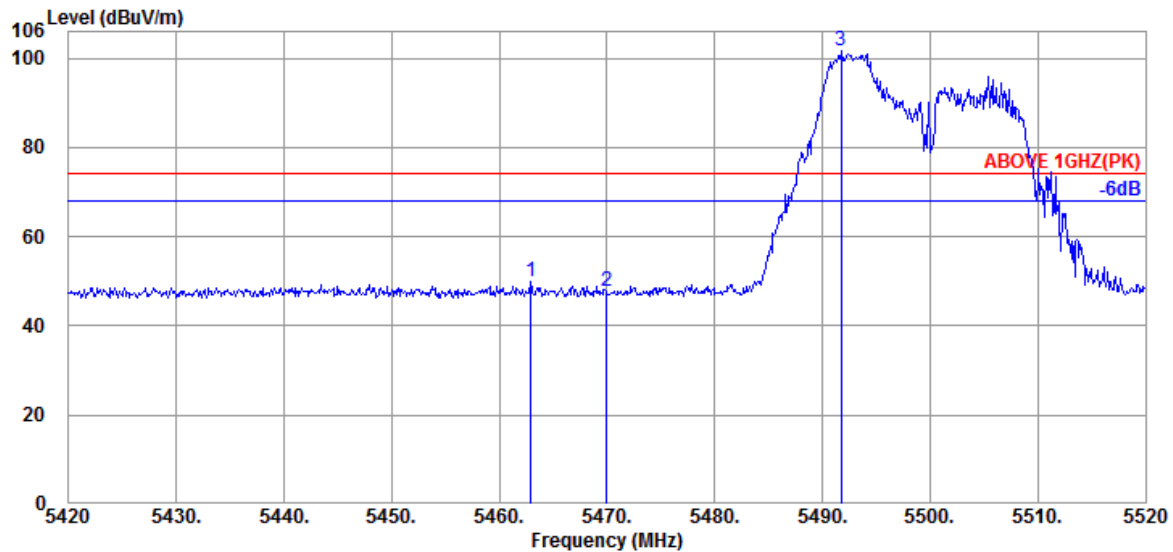
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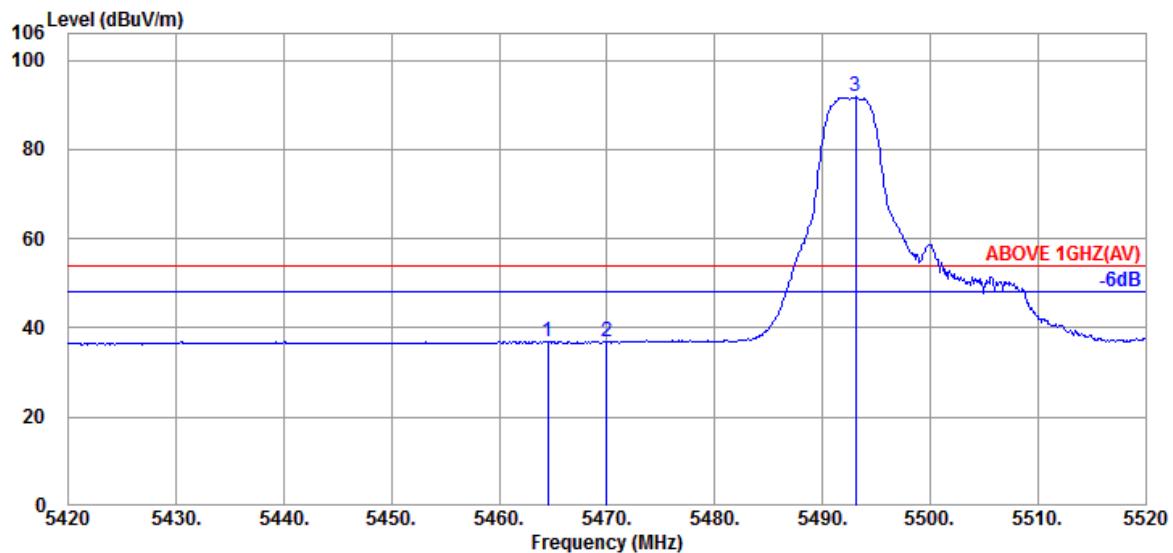
Fax: +886 2 26099303

Mode	802.11ax-HE20	Band	NII-2C
RU Configuration	52/37	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
5462.900	34.70	10.54	34.28	38.81	49.77	74.00	24.23	Peak
5470.000	34.67	10.54	34.28	36.74	47.67	74.00	26.33	Peak
@ 5491.700	34.63	10.55	34.27	90.63	101.54	---	---	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
5464.500	34.67	10.54	34.28	26.04	36.97	54.00	17.03	Average
5470.000	34.67	10.54	34.28	25.98	36.91	54.00	17.09	Average
@ 5493.100	34.63	10.55	34.27	80.80	91.71	---	---	Average

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

File Number: CIM2009193

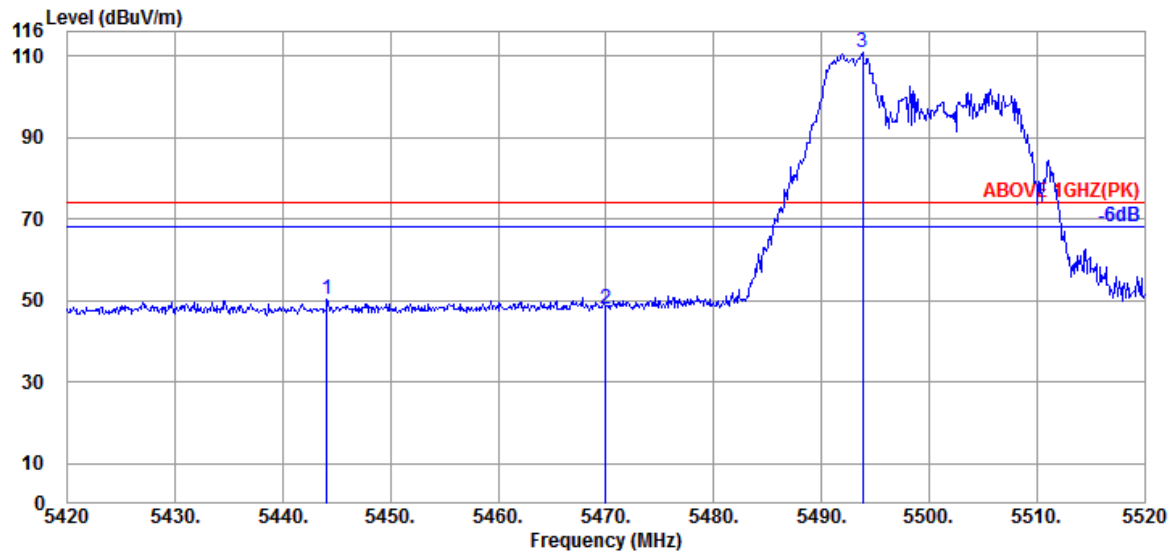
Report Number: EM-F200418

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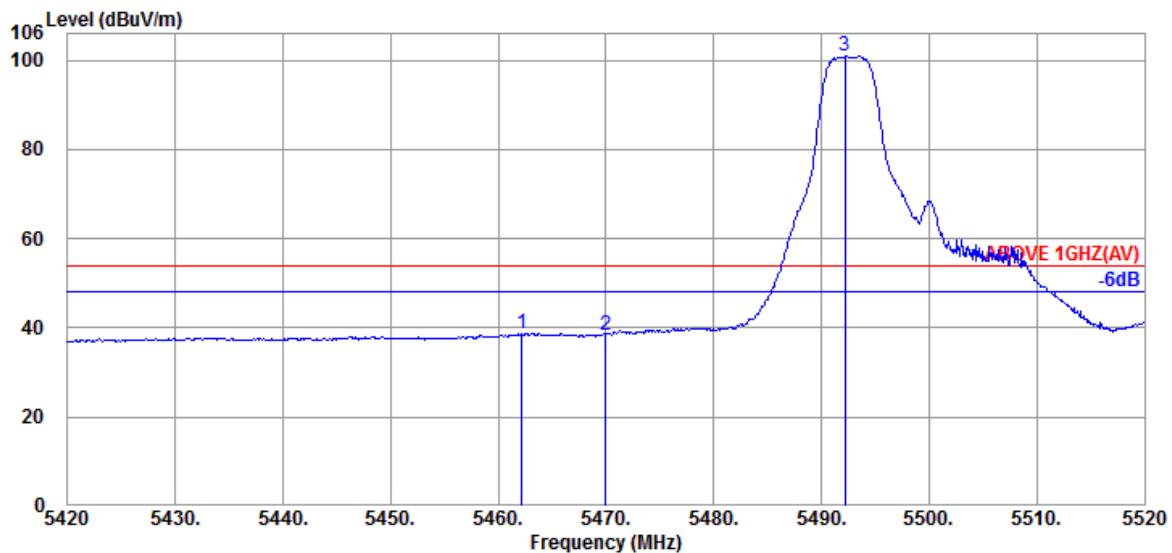
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Mode	802.11ax-HE20	Band	NII-2C
RU Configuration	52/37	Frequency	TX 5500MHz



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
5444.100	34.67	10.52	34.29	39.34	50.24	74.00	23.76	Peak
5470.000	34.67	10.54	34.28	36.88	47.81	74.00	26.19	Peak
@ 5493.800	34.63	10.55	34.27	99.75	110.66	---	---	Peak



Antenna at Vertical Polarization

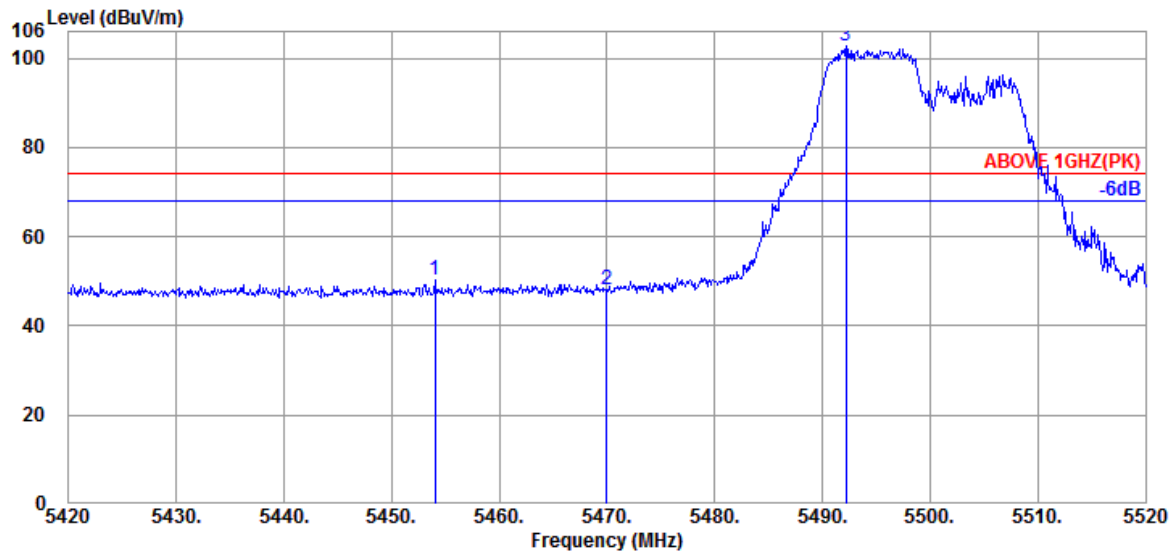
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5462.200	34.70	10.53	34.28	27.85	38.80	54.00	15.20	Average
5470.000	34.67	10.54	34.28	27.40	38.33	54.00	15.67	Average
@ 5492.200	34.63	10.55	34.27	90.13	101.04	---	---	Average

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

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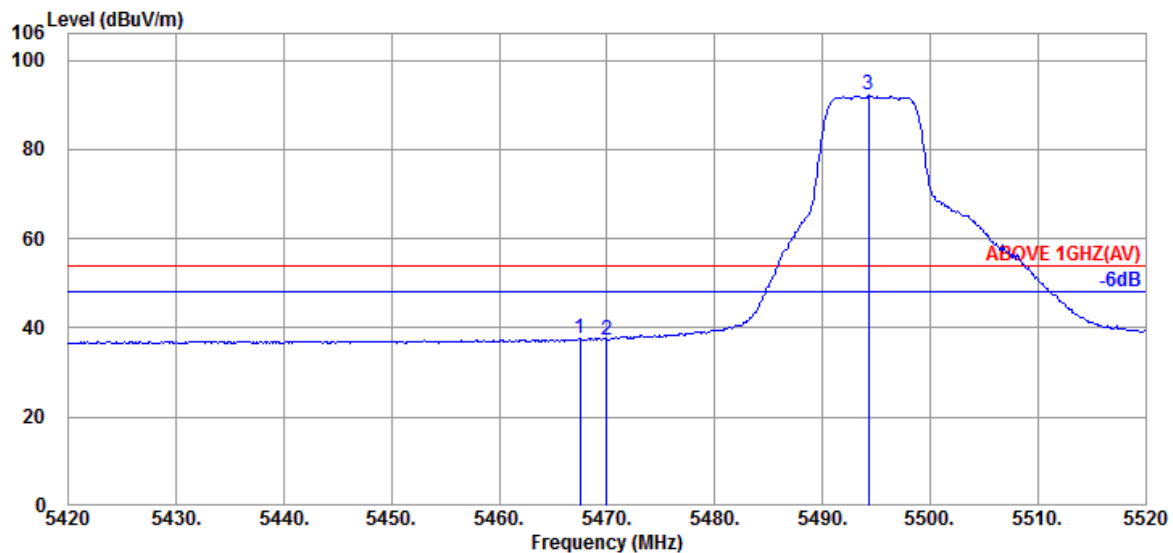
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Mode	802.11ax-HE20	Band	NII-2C
RU Configuration	106/53	Frequency	TX 5500MHz



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
5454.000	34.70	10.53	34.28	39.52	50.47	74.00	23.53	Peak
5470.000	34.67	10.54	34.28	37.08	48.01	74.00	25.99	Peak
@ 5492.200	34.63	10.55	34.27	91.96	102.87	---	---	Peak



Antenna at Horizontal Polarization

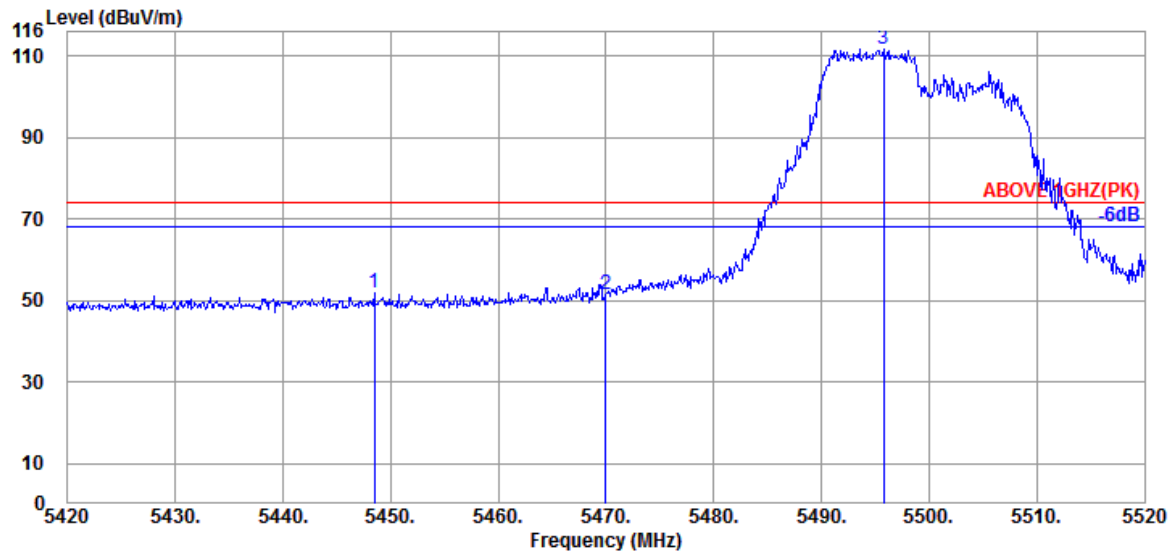
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5467.500	34.67	10.54	34.28	26.60	37.53	54.00	16.47	Average
5470.000	34.67	10.54	34.28	26.46	37.39	54.00	16.61	Average
@ 5494.300	34.63	10.55	34.27	81.19	92.10	---	---	Average

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

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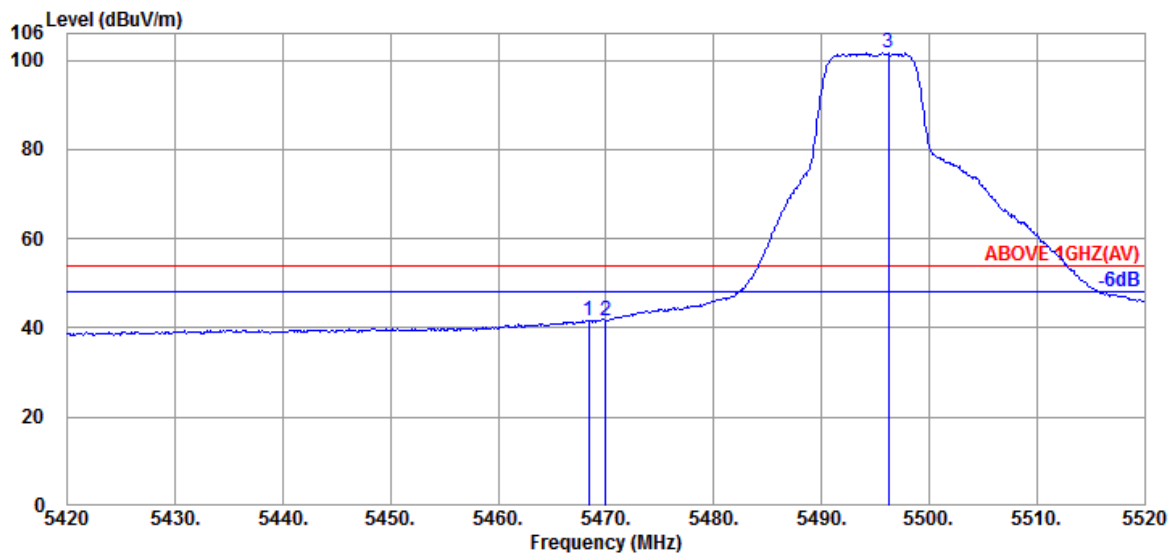
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Mode	802.11ax-HE20	Band	NII-2C
RU Configuration	106/53	Frequency	TX 5500MHz



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
5448.500	34.70	10.53	34.29	40.92	51.86	74.00	22.14	Peak
5470.000	34.67	10.54	34.28	40.66	51.59	74.00	22.41	Peak
@ 5495.800	34.60	10.55	34.27	100.95	111.83	---	---	Peak



Antenna at Vertical Polarization

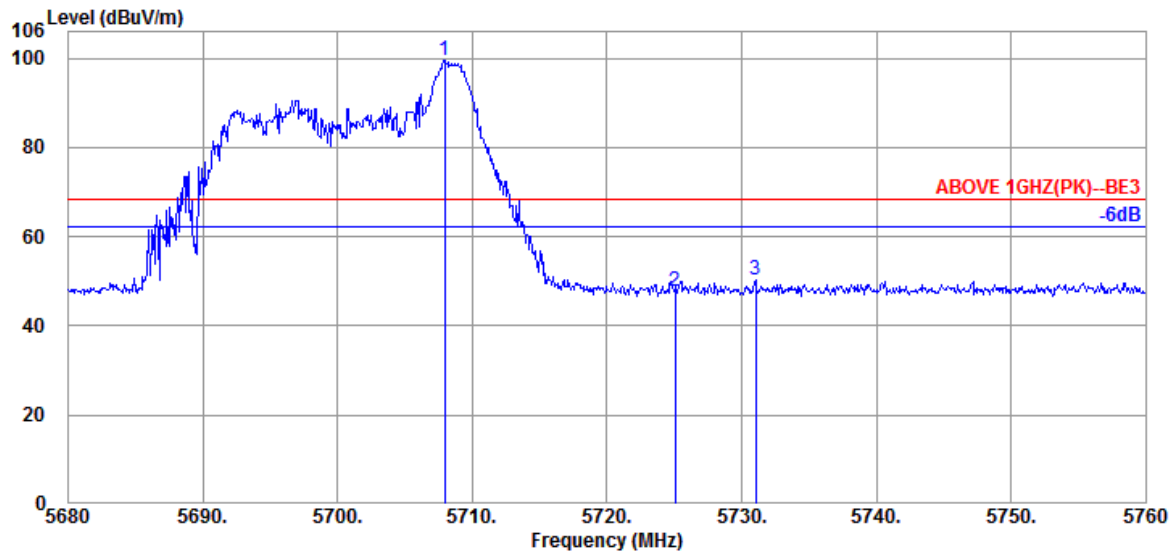
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5468.400	34.67	10.54	34.28	30.82	41.75	54.00	12.25	Average
5470.000	34.67	10.54	34.28	30.84	41.77	54.00	12.23	Average
@ 5496.200	34.60	10.55	34.27	90.71	101.59	---	---	Average

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

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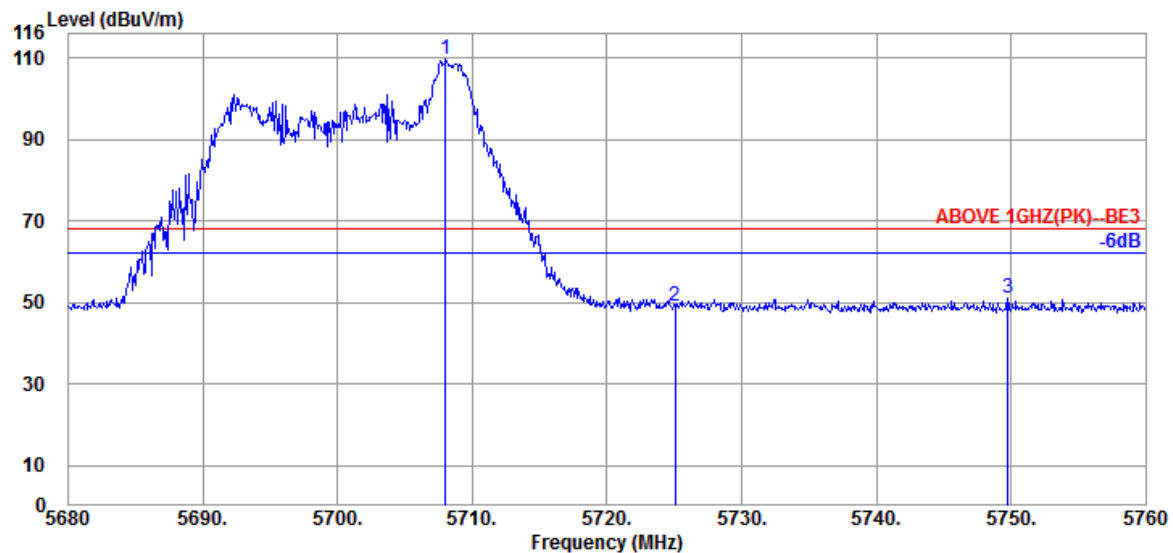
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Mode	802.11ax-HE20	Band	NII-2C
RU Configuration	26/8	Frequency	TX 5700MHz



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
@ 5707.920	34.80	10.82	34.37	88.36	99.61	---	---	Peak
5725.040	34.80	10.84	34.37	36.40	47.67	68.20	20.53	Peak
5731.040	34.80	10.84	34.38	38.98	50.24	68.20	17.96	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
@ 5708.000	34.80	10.82	34.37	98.23	109.48	---	---	Peak
5725.040	34.80	10.84	34.37	37.66	48.93	68.20	19.27	Peak
5749.760	34.80	10.86	34.39	39.75	51.02	68.20	17.18	Peak

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

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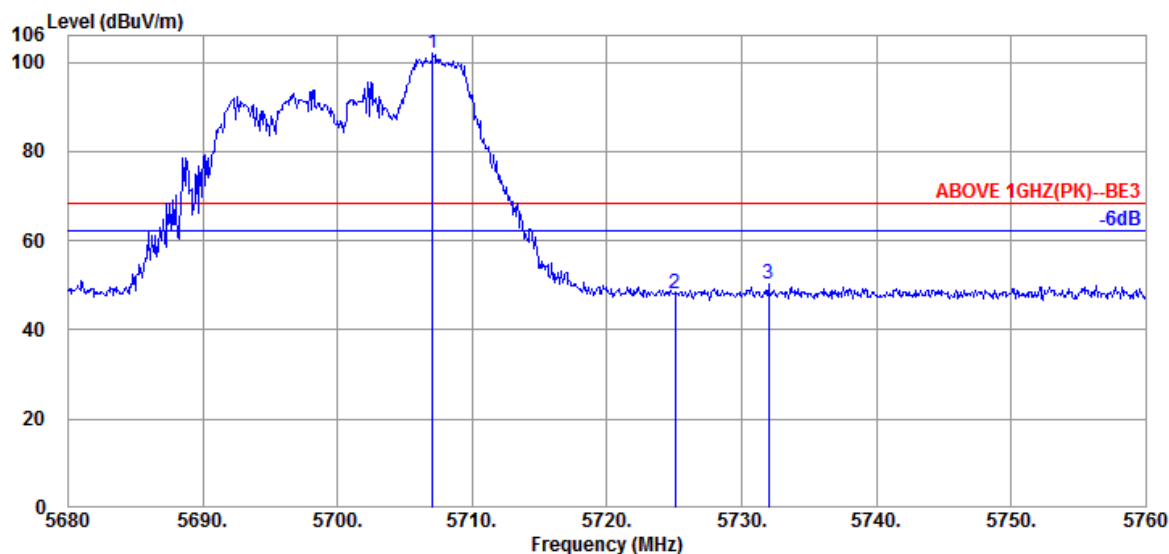
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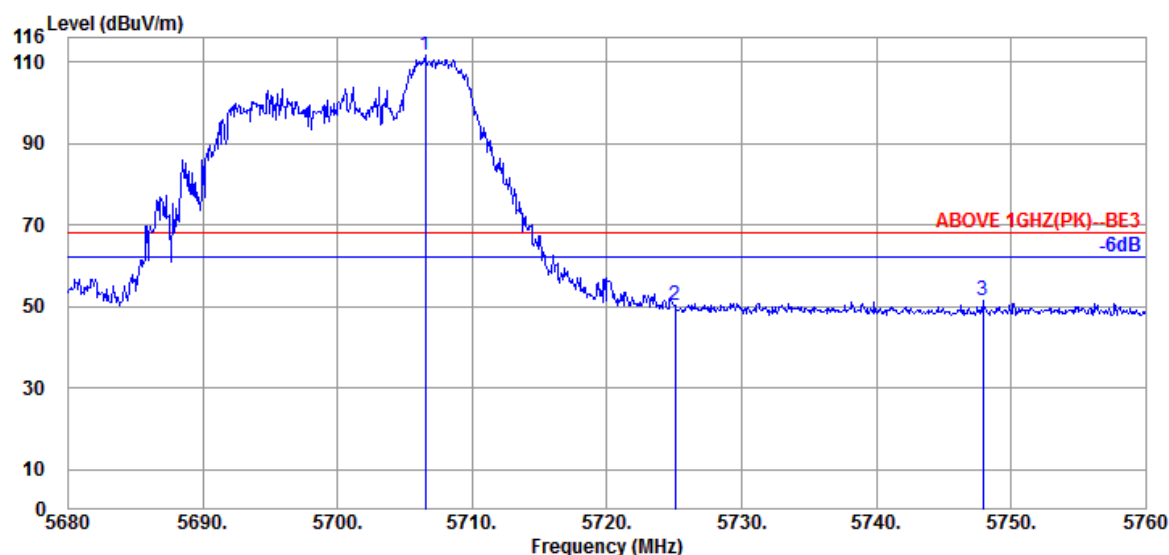
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Mode	802.11ax-HE20	Band	NII-2C
RU Configuration	52/40	Frequency	TX 5700MHz



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
@ 5707.040	34.80	10.82	34.36	90.67	101.93	---	---	Peak
5725.040	34.80	10.84	34.37	36.82	48.09	68.20	20.11	Peak
5732.000	34.80	10.84	34.38	38.92	50.18	68.20	18.02	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
@ 5706.480	34.80	10.82	34.36	100.57	111.83	---	---	Peak
5725.040	34.80	10.84	34.37	38.84	50.11	68.20	18.09	Peak
5747.920	34.80	10.86	34.39	40.16	51.43	68.20	16.77	Peak

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

File Number: CIM2009193

Report Number: EM-F200418

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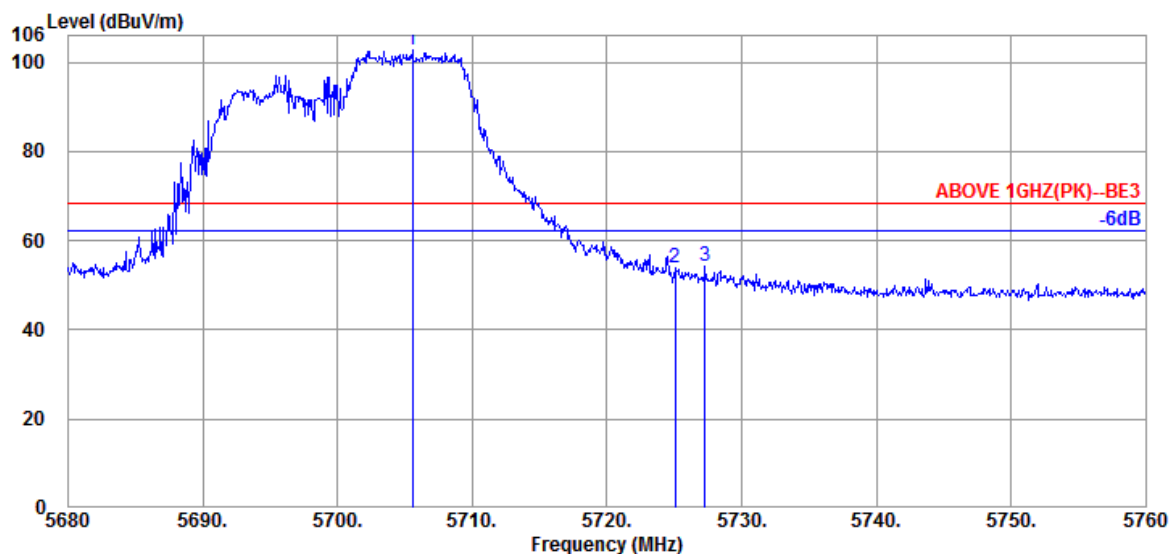
No. 53-11, Dingfu, Linkou, Dist.,

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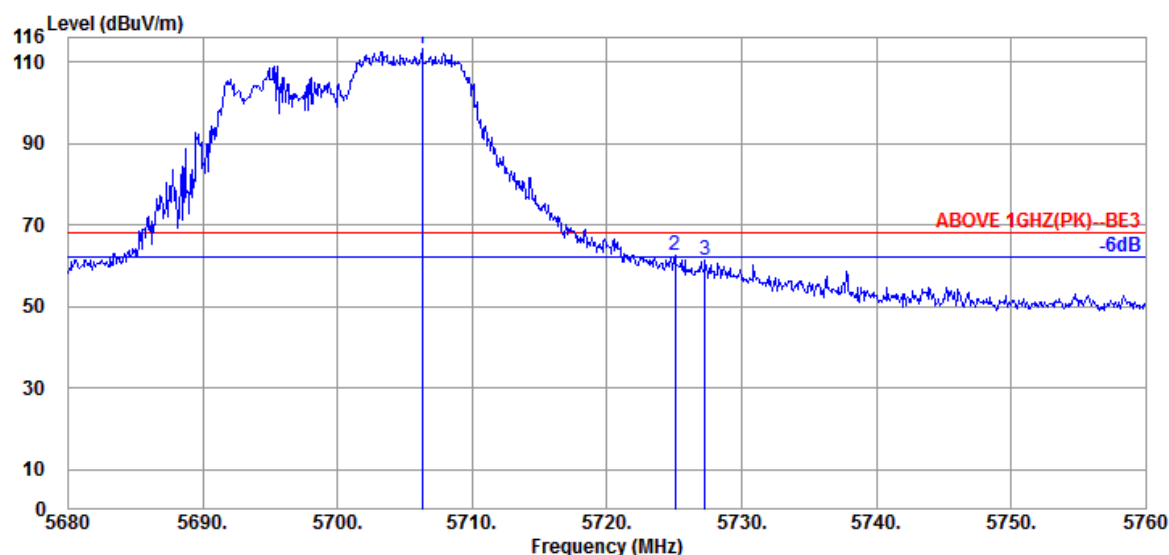
Fax: +886 2 26099303

Mode	802.11ax-HE20	Band	NII-2C
RU Configuration	106/54	Frequency	TX 5700MHz



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
@ 5705.520	34.80	10.82	34.36	91.38	102.64	---	---	Peak
5725.040	34.80	10.84	34.37	42.78	54.05	68.20	14.15	Peak
5727.280	34.80	10.84	34.38	43.17	54.43	68.20	13.77	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
@ 5706.240	34.80	10.82	34.36	101.78	113.04	---	---	Peak
5725.040	34.80	10.84	34.37	51.21	62.48	68.20	5.72	Peak
5727.280	34.80	10.84	34.38	50.22	61.48	68.20	6.72	Peak

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

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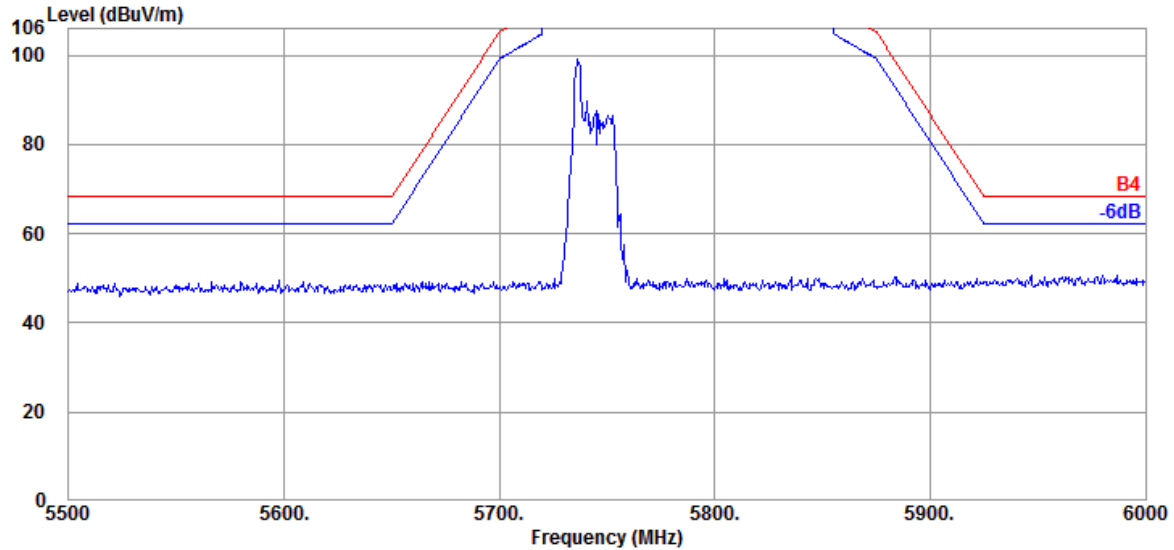
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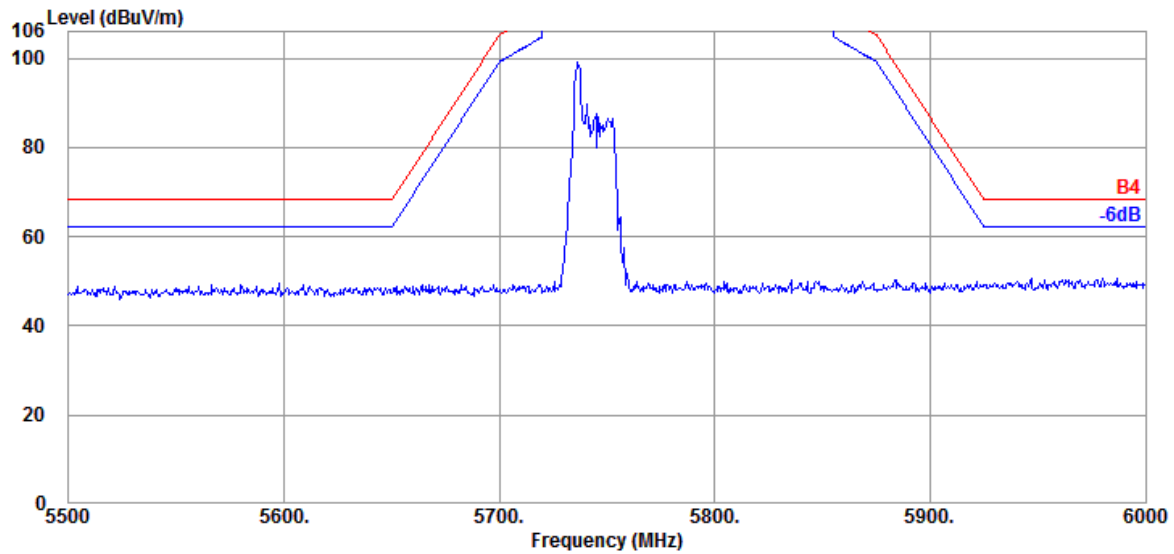
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Fax: +886 2 26099303

Mode	802.11ax-HE20	Band	NII-III
RU Configuration	26/0	Frequency	TX 5745MHz

Antenna at Horizontal Polarization



Antenna at Vertical Polarization

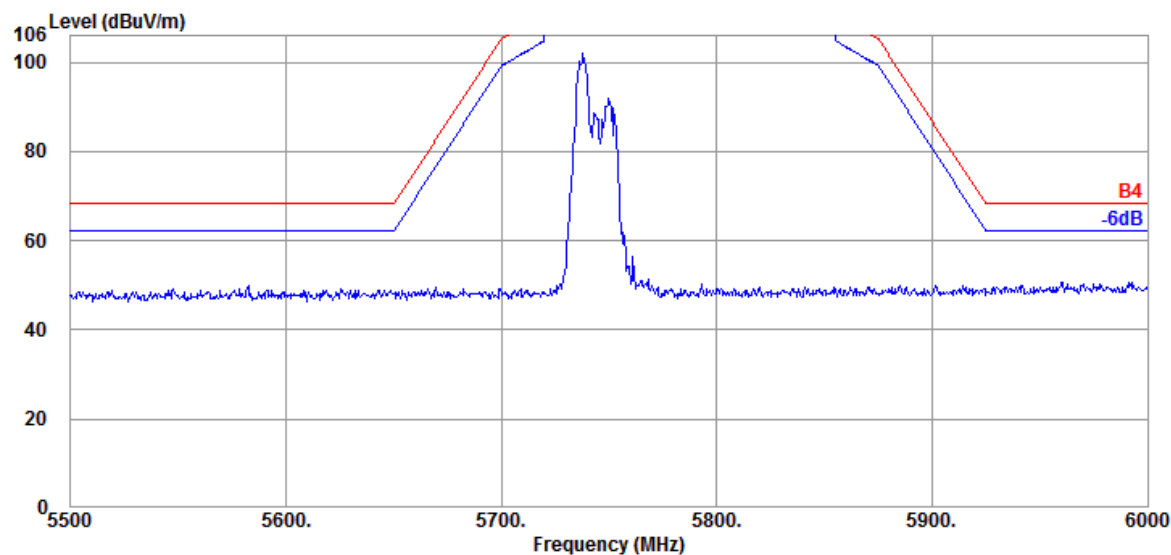


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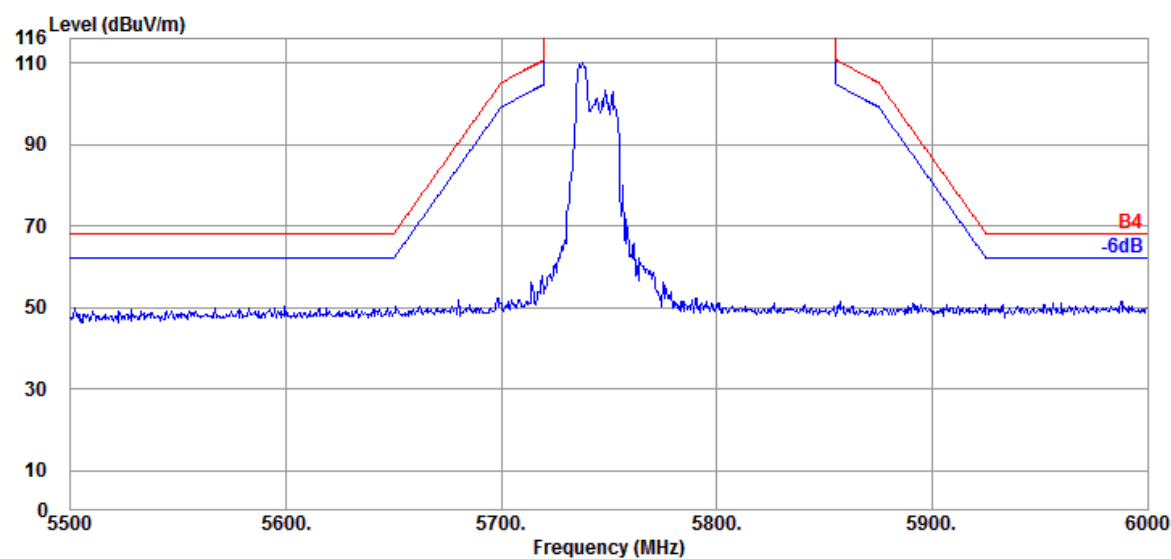
Tel: +886 2 26099301
Fax: +886 2 26099303

Mode	802.11ax-HE20	Band	NII-III
RU Configuration	52/37	Frequency	TX 5745MHz

Antenna at Horizontal Polarization



Antenna at Vertical Polarization

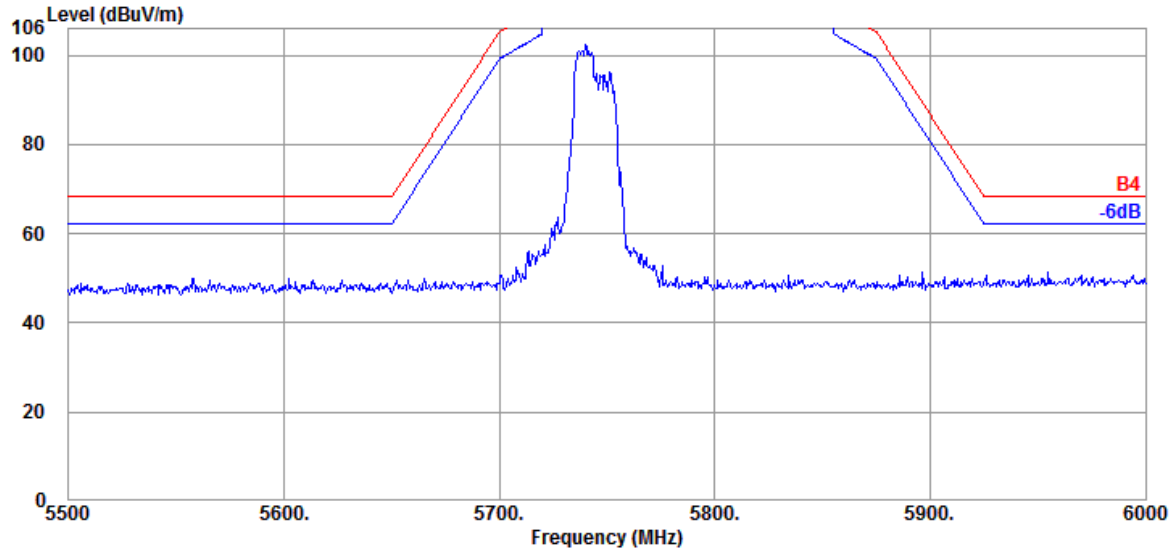


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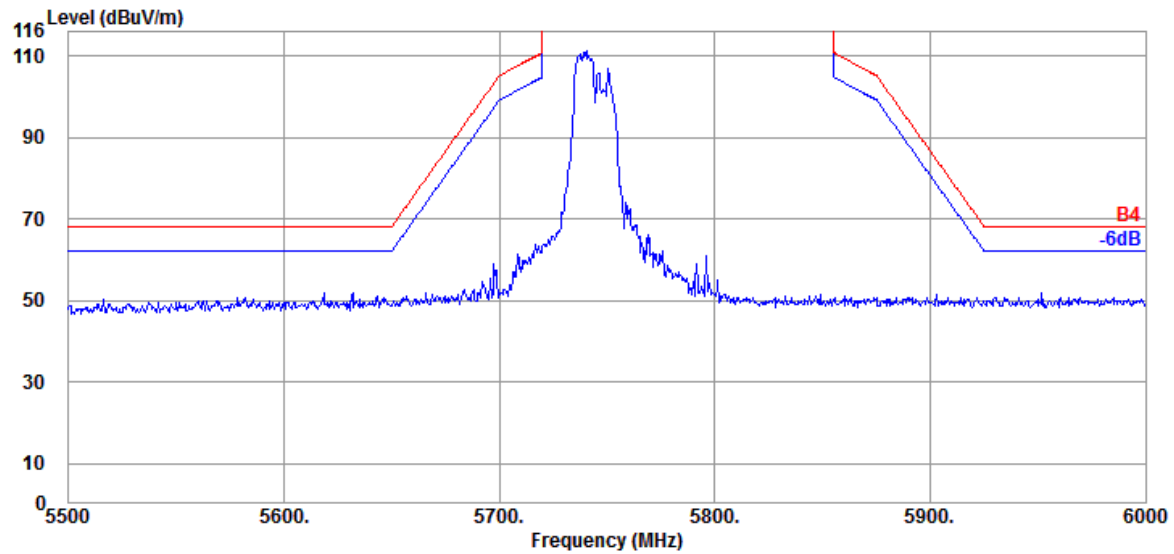
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Mode	802.11ax-HE20	Band	NII-III
RU Configuration	106/53	Frequency	TX 5745MHz

Antenna at Horizontal Polarization



Antenna at Vertical Polarization

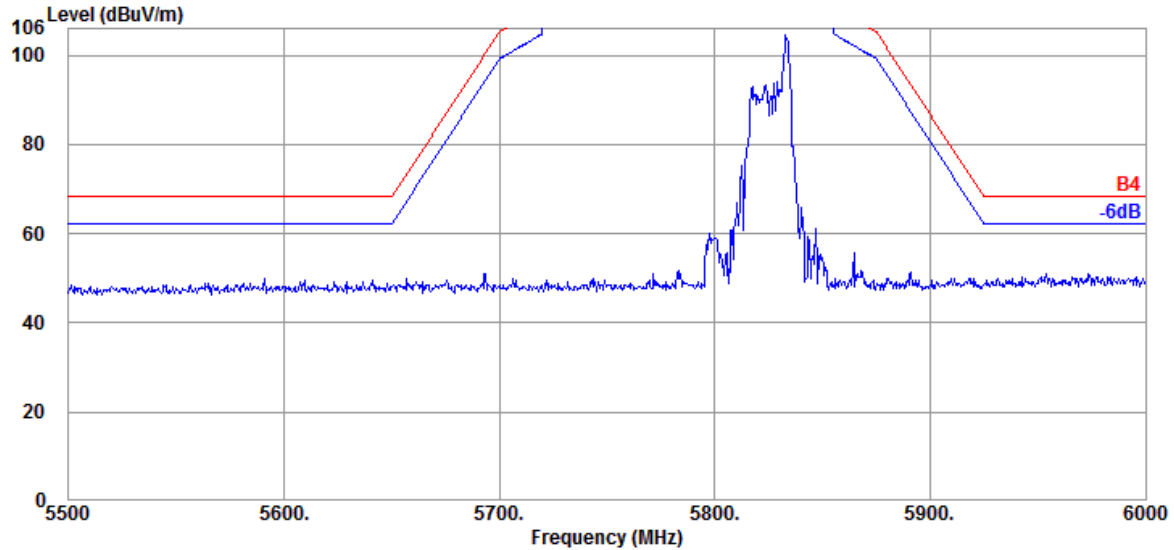


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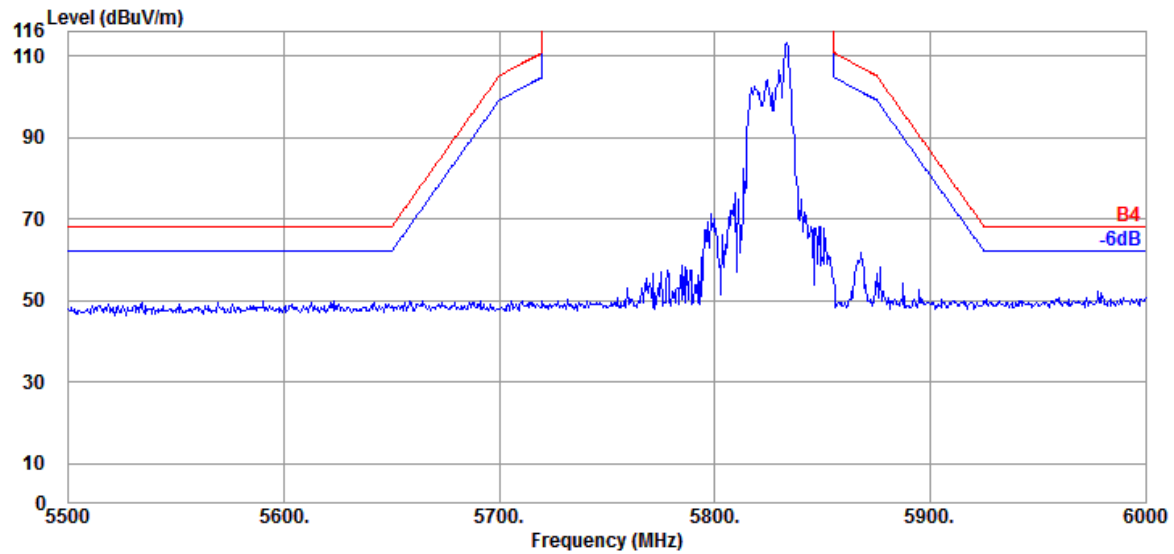
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Mode	802.11ax-HE20	Band	NII-III
RU Configuration	26/8	Frequency	TX 5825MHz

Antenna at Horizontal Polarization



Antenna at Vertical Polarization

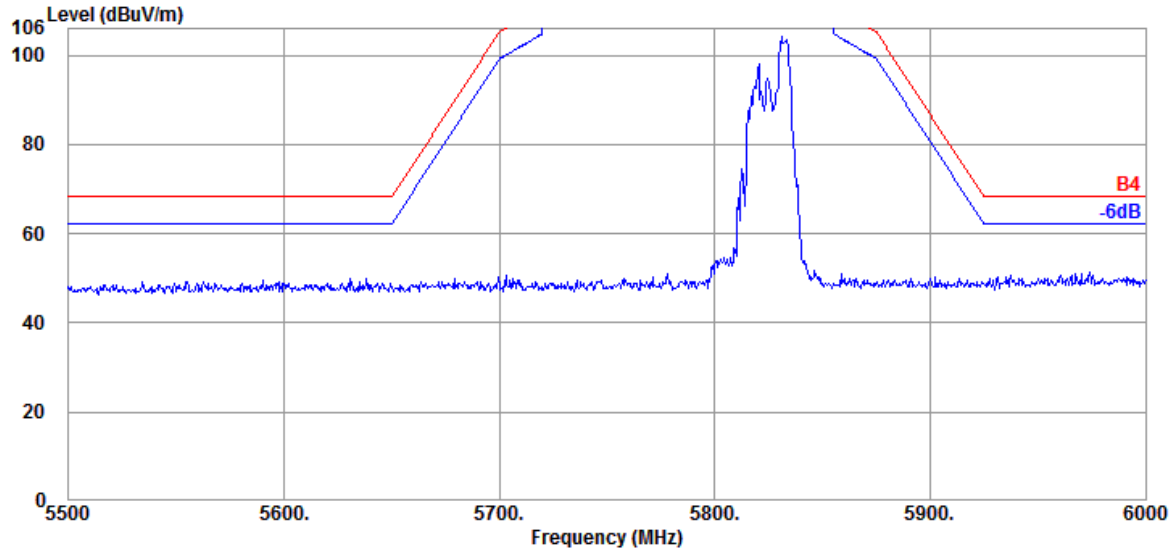


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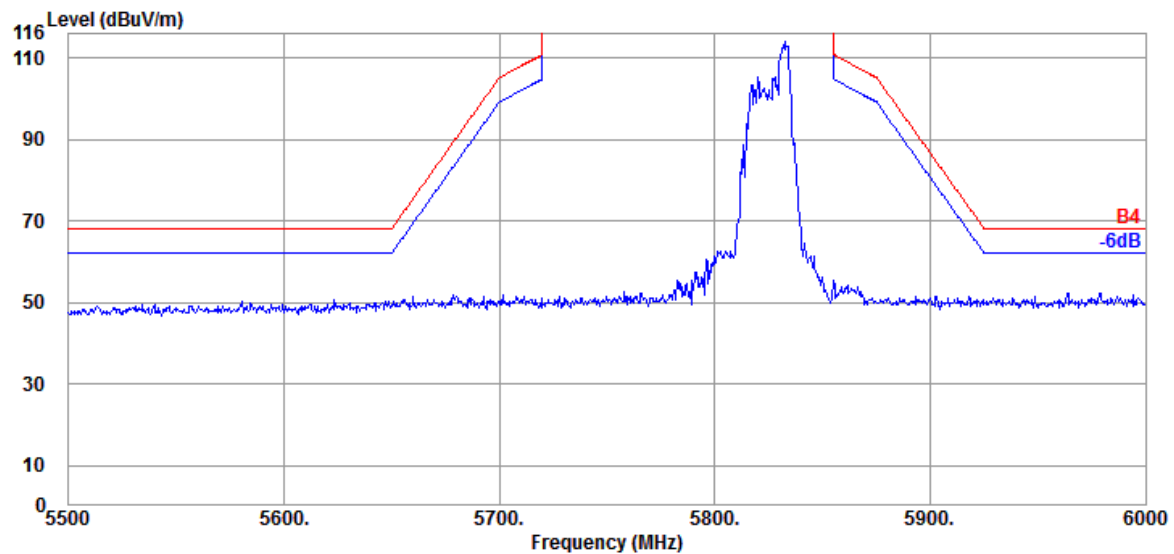
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Fax: +886 2 26099303

Mode	802.11ax-HE20	Band	NII-III
RU Configuration	52/40	Frequency	TX 5825MHz

Antenna at Horizontal Polarization



Antenna at Vertical Polarization

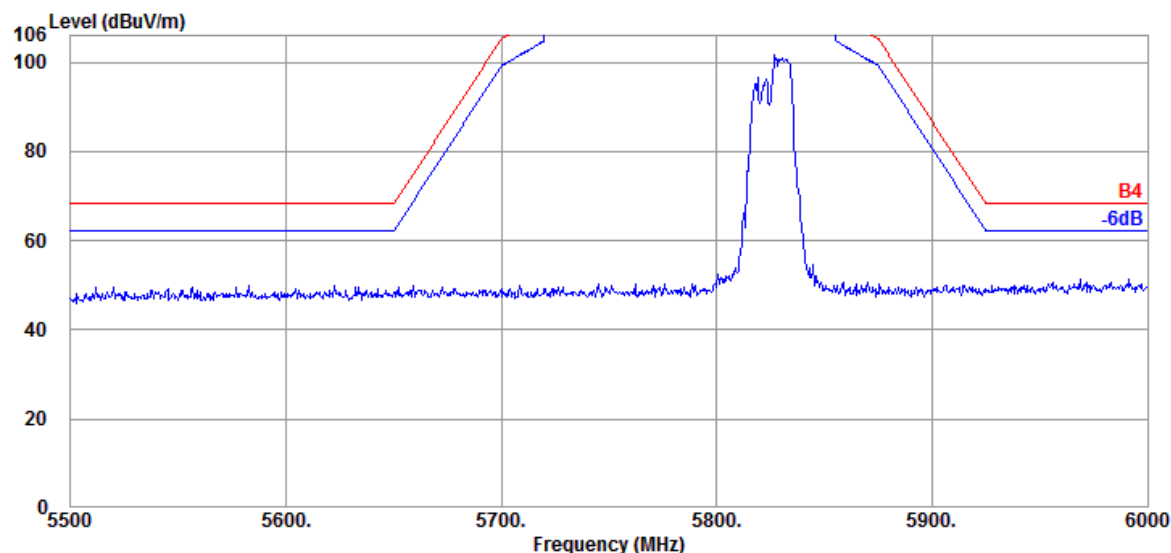


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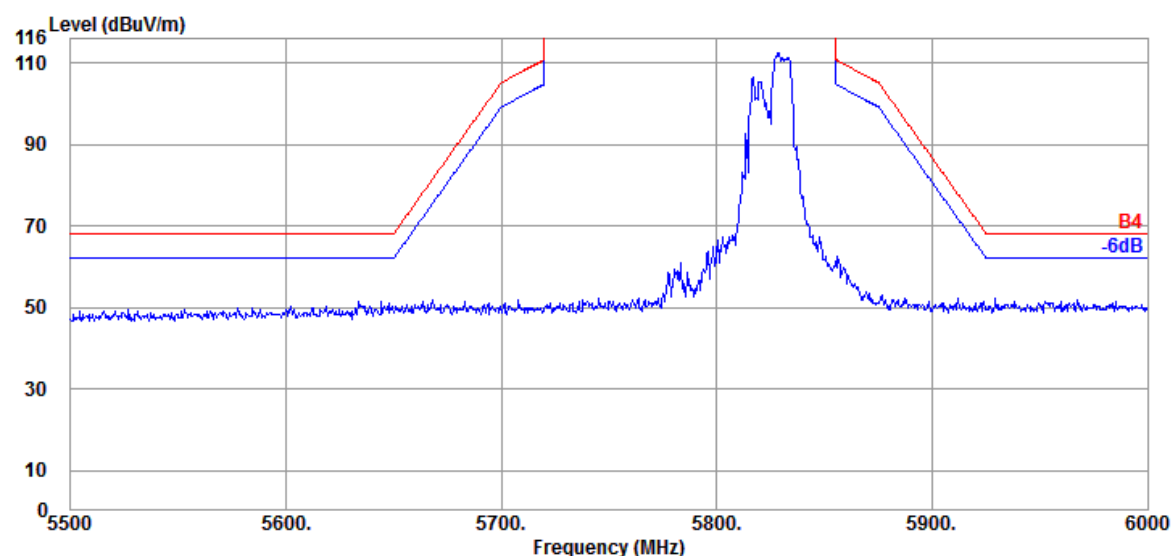
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Fax: +886 2 26099303

Mode	802.11ax-HE20	Band	NII-III
RU Configuration	106/54	Frequency	TX 5825MHz

Antenna at Horizontal Polarization



Antenna at Vertical Polarization



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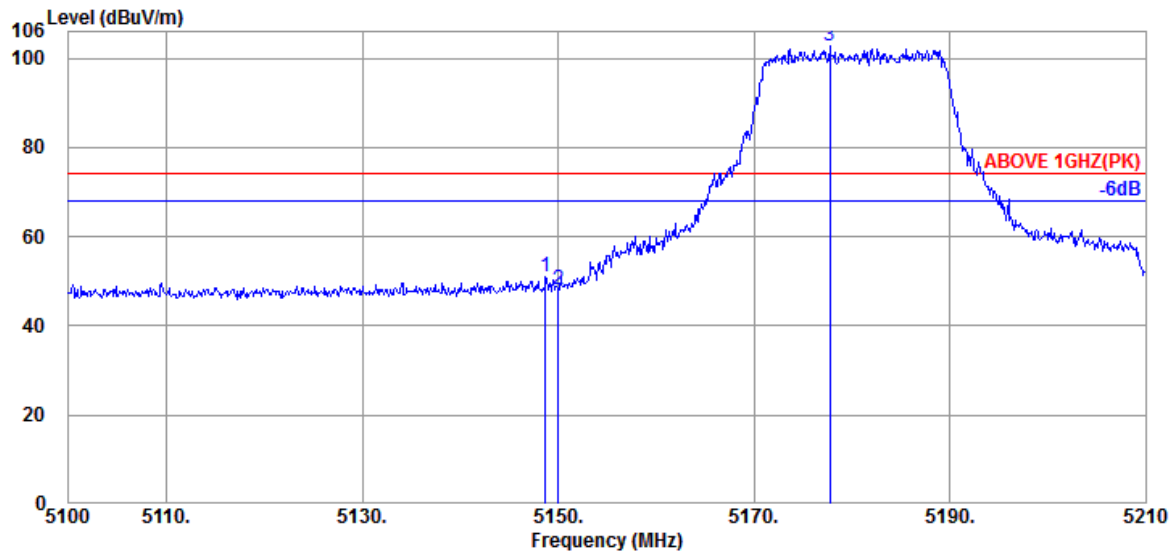
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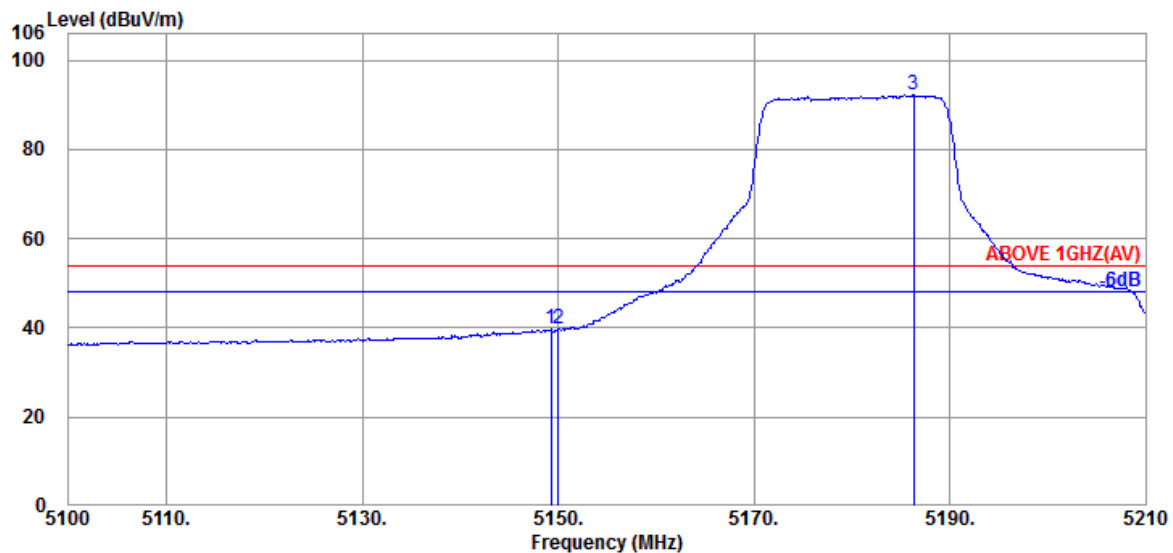
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Mode	802.11ax-HE40	Band	NII-I
RU Configuration	242/61	Frequency	TX 5190MHz



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
5148.730	34.40	10.36	34.38	40.66	51.04	74.00	22.96	Peak
5150.050	34.40	10.36	34.38	37.78	48.16	74.00	25.84	Peak
@ 5177.770	34.47	10.38	34.37	92.11	102.59	---	---	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
5149.280	34.40	10.36	34.38	29.28	39.66	54.00	14.34	Average
5150.050	34.40	10.36	34.38	29.56	39.94	54.00	14.06	Average
@ 5186.350	34.47	10.38	34.37	81.70	92.18	---	---	Average

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

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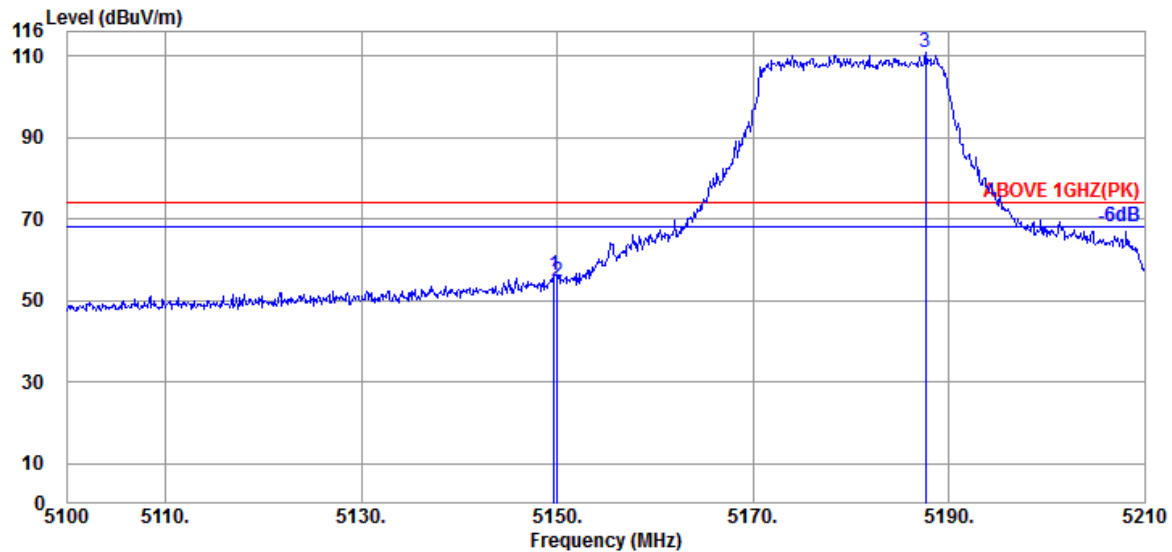
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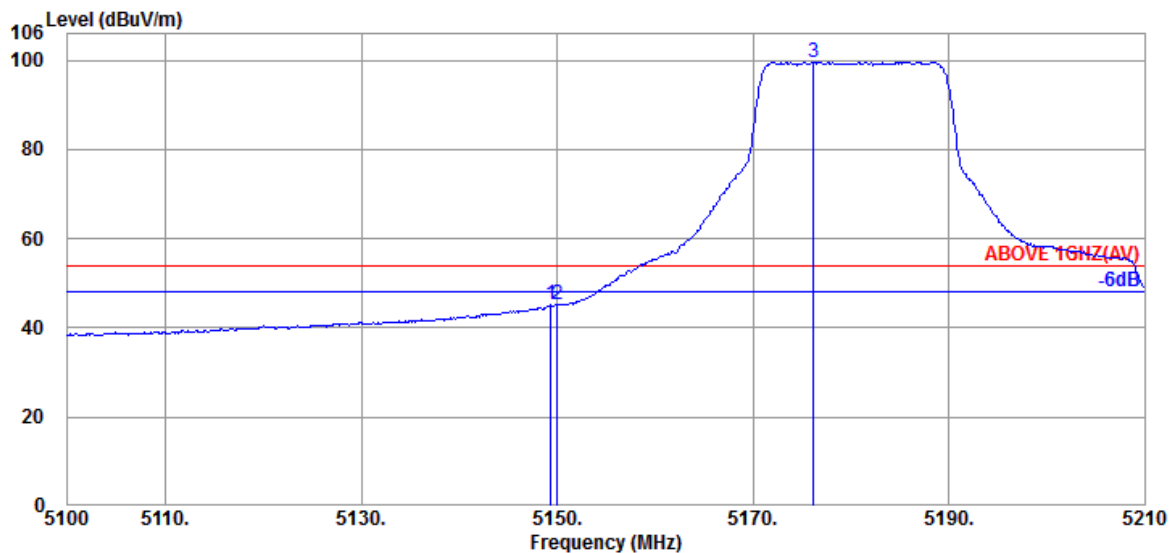
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Mode	802.11ax-HE40	Band	NII-I
RU Configuration	242/61	Frequency	TX 5190MHz



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
5149.720	34.40	10.36	34.38	45.82	56.20	74.00	17.80	Peak
5150.050	34.40	10.36	34.38	44.41	54.79	74.00	19.21	Peak
@ 5187.670	34.50	10.38	34.37	100.21	110.72	---	---	Peak



Antenna at Vertical Polarization

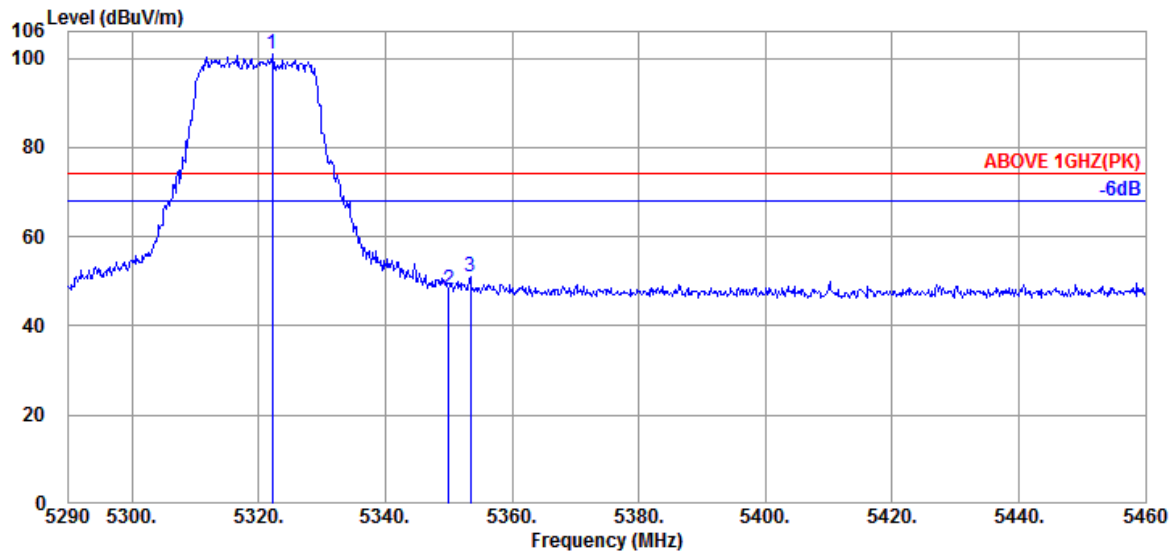
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5149.390	34.40	10.36	34.38	34.87	45.25	54.00	8.75	Average
5150.050	34.40	10.36	34.38	34.77	45.15	54.00	8.85	Average
@ 5176.230	34.47	10.38	34.37	89.11	99.59	---	---	Average

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

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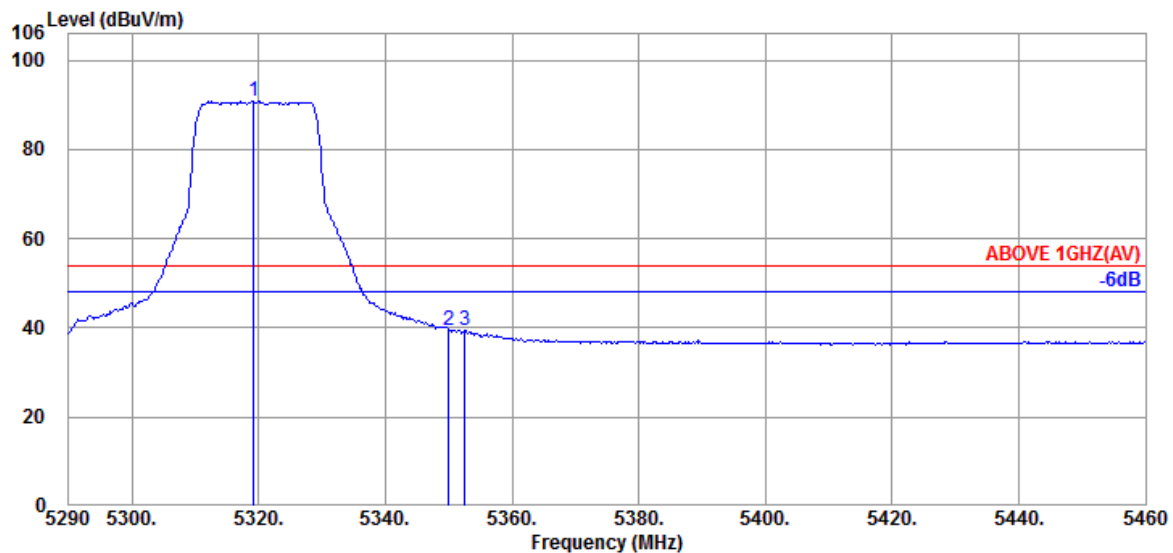
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Mode	802.11ax-HE40	Band	NII-2A
RU Configuration	242/62	Frequency	TX 5310MHz



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
@ 5322.130	34.60	10.46	34.33	90.18	100.91	---	---	Peak
5350.010	34.60	10.48	34.31	37.46	48.23	74.00	25.77	Peak
5353.410	34.60	10.48	34.31	40.15	50.92	74.00	23.08	Peak



Antenna at Horizontal Polarization

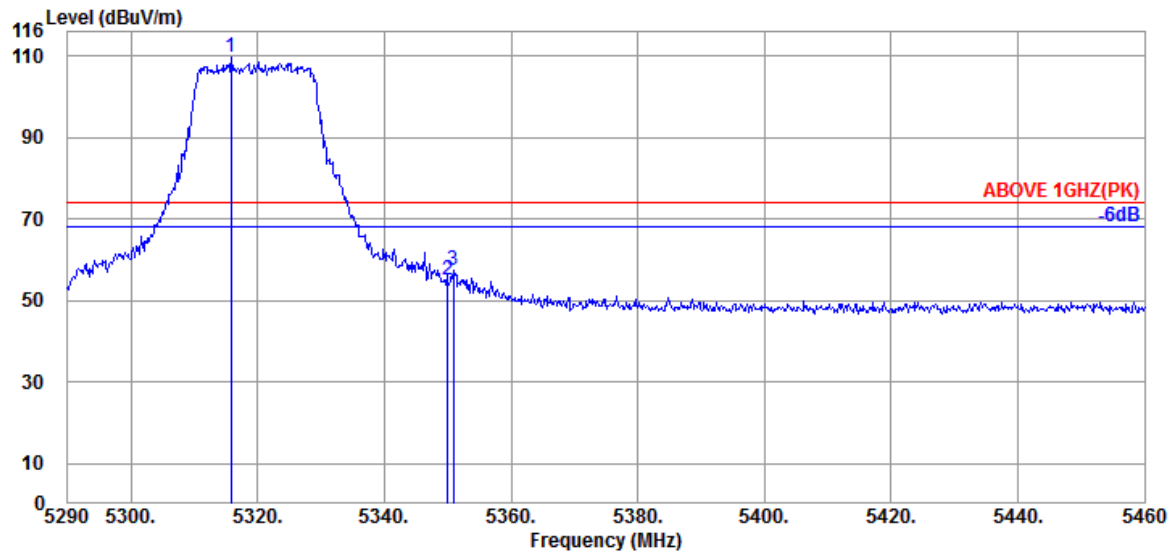
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5319.240	34.60	10.46	34.33	80.04	90.77	---	---	Average
5350.010	34.60	10.48	34.31	28.60	39.37	54.00	14.63	Average
5352.560	34.60	10.48	34.31	28.80	39.57	54.00	14.43	Average

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

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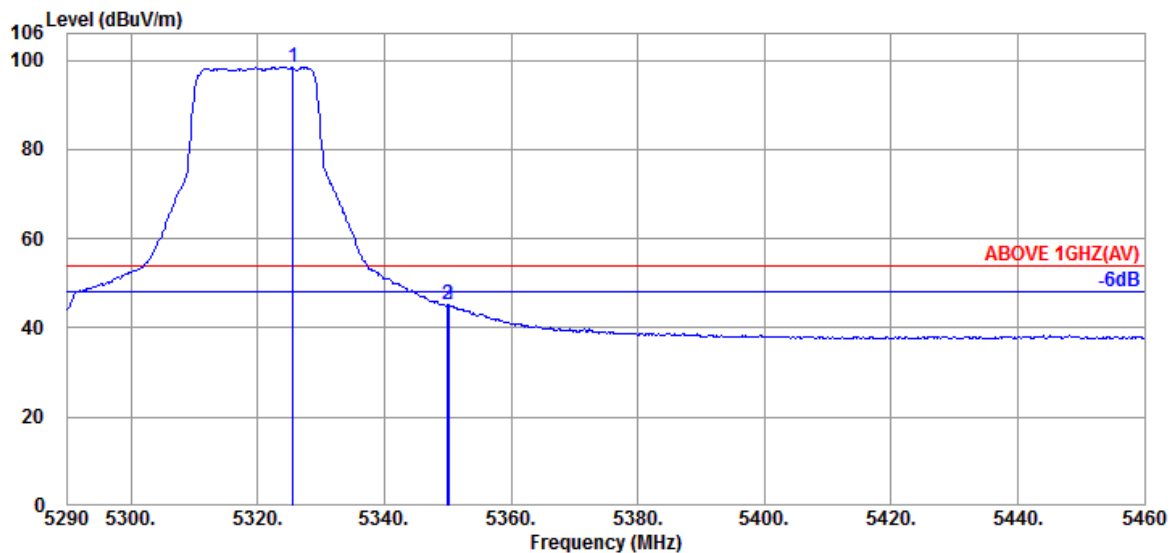
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Mode	802.11ax-HE40	Band	NII-2A
RU Configuration	242/62	Frequency	TX 5310MHz



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
@ 5315.840	34.60	10.46	34.33	99.12	109.85	---	---	Peak
5350.010	34.60	10.48	34.31	44.42	55.19	74.00	18.81	Peak
5350.860	34.60	10.48	34.31	46.64	57.41	74.00	16.59	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
@ 5325.530	34.60	10.46	34.33	87.70	98.43	---	---	Average
5350.010	34.60	10.48	34.31	34.28	45.05	54.00	8.95	Average
5350.180	34.60	10.48	34.31	34.32	45.09	54.00	8.91	Average

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

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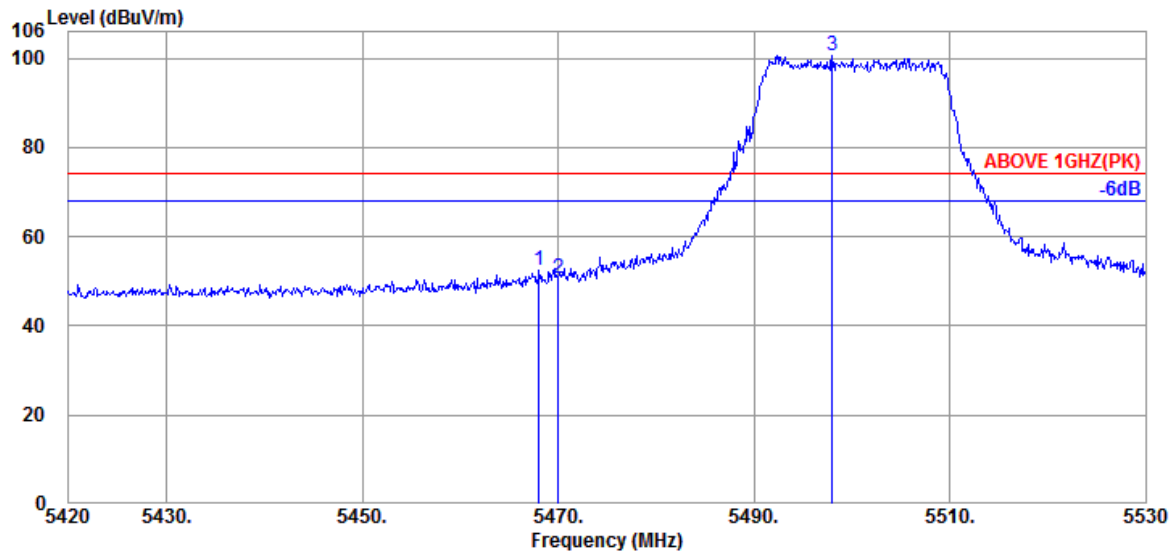
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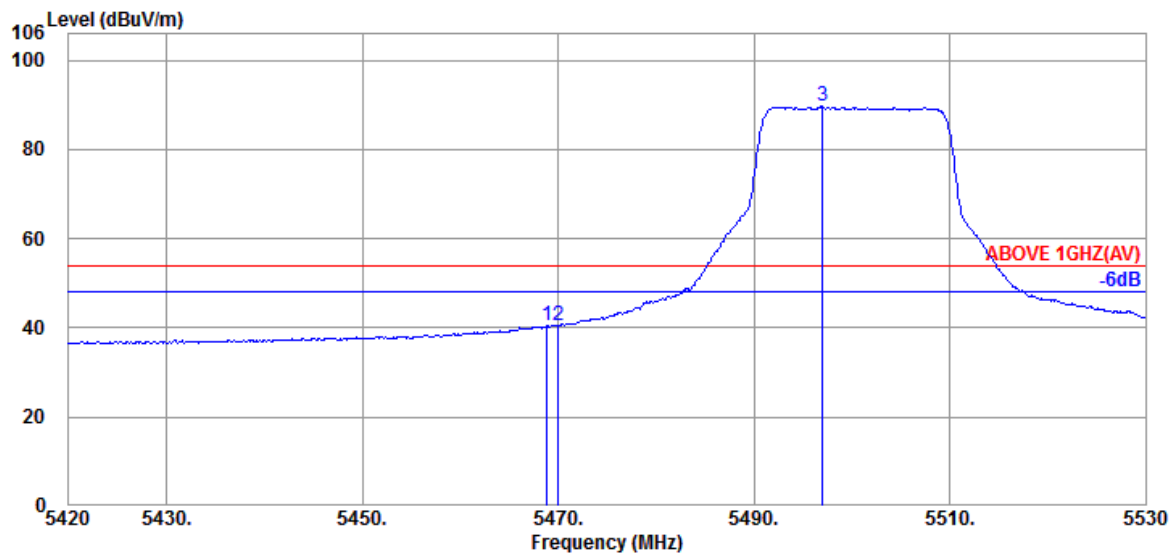
Fax: +886 2 26099303

Mode	802.11ax-HE40	Band	NII-2C
RU Configuration	242/61	Frequency	TX 5510MHz



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
5468.070	34.67	10.54	34.28	41.65	52.58	74.00	21.42	Peak
5470.050	34.67	10.54	34.28	39.83	50.76	74.00	23.24	Peak
@ 5497.990	34.60	10.56	34.27	89.70	100.59	---	---	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
5468.840	34.67	10.54	34.28	29.45	40.38	54.00	13.62	Average
5470.050	34.67	10.54	34.28	29.43	40.36	54.00	13.64	Average
@ 5497.000	34.60	10.56	34.27	78.67	89.56	---	---	Average

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

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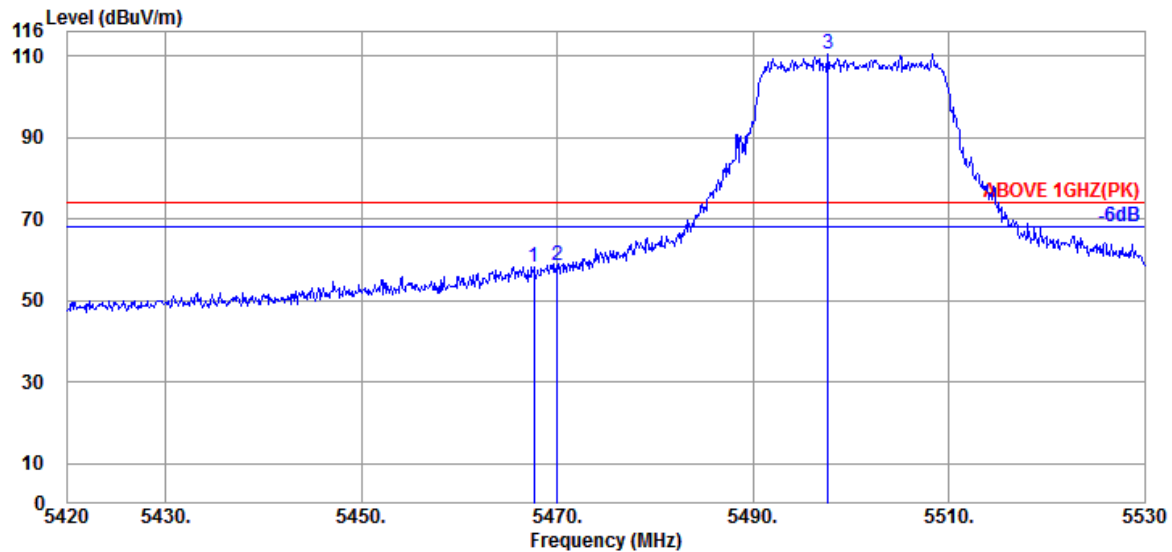
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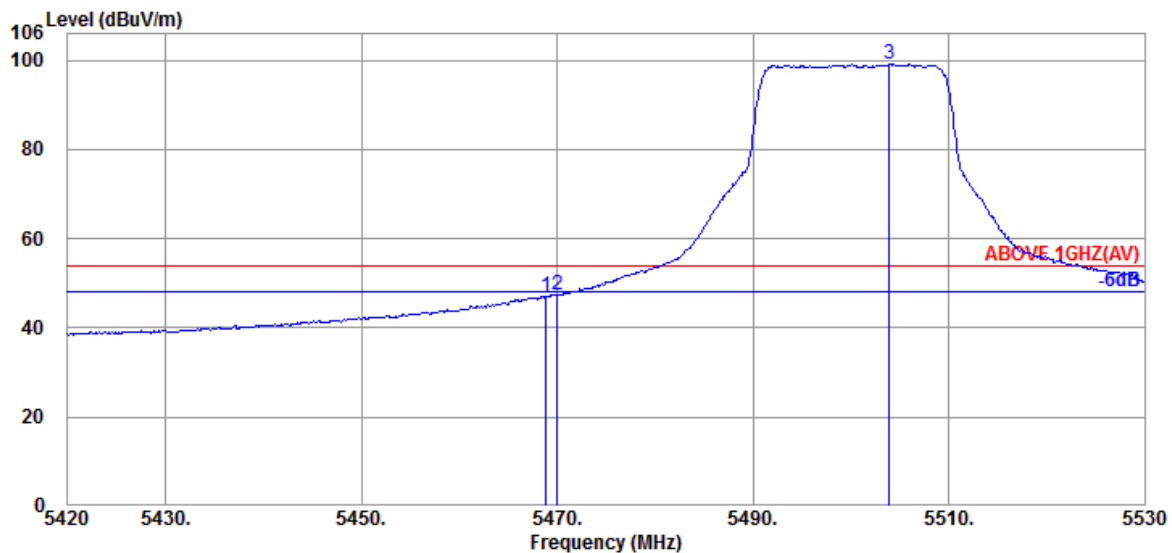
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Mode	802.11ax-HE40	Band	NII-2C
RU Configuration	242/61	Frequency	TX 5510MHz



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
5467.630	34.67	10.54	34.28	47.25	58.18	74.00	15.82	Peak
5470.050	34.67	10.54	34.28	47.74	58.67	74.00	15.33	Peak
@ 5497.660	34.60	10.56	34.27	99.50	110.39	---	---	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
5468.840	34.67	10.54	34.28	36.25	47.18	54.00	6.82	Average
5470.050	34.67	10.54	34.28	36.49	47.42	54.00	6.58	Average
@ 5503.930	34.60	10.56	34.27	88.31	99.20	---	---	Average

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

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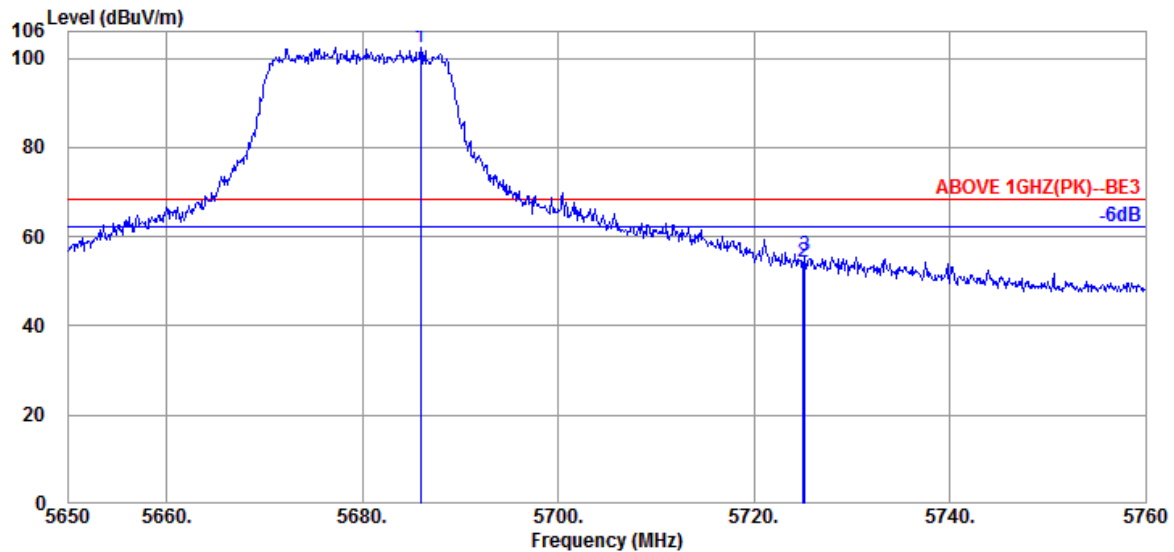
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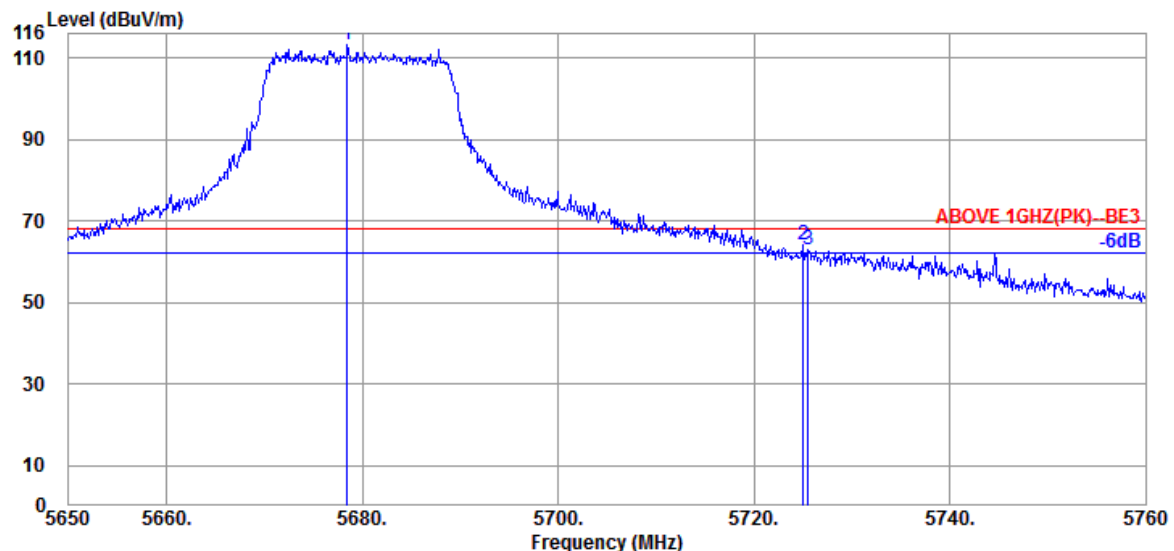
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Mode	802.11ax-HE40	Band	NII-2C
RU Configuration	242/62	Frequency	TX 5670MHz



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
@	5685.970	34.73	10.80	34.36	91.34	102.51	---	---	Peak
	5725.020	34.80	10.84	34.37	42.92	54.19	68.20	14.01	Peak
	5725.240	34.80	10.84	34.37	44.59	55.86	68.20	12.34	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
@	5678.490	34.73	10.78	34.36	102.01	113.16	---	---	Peak
	5725.020	34.80	10.84	34.37	52.91	64.18	68.20	4.02	Peak
	5725.570	34.80	10.84	34.37	51.59	62.86	68.20	5.34	Peak

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

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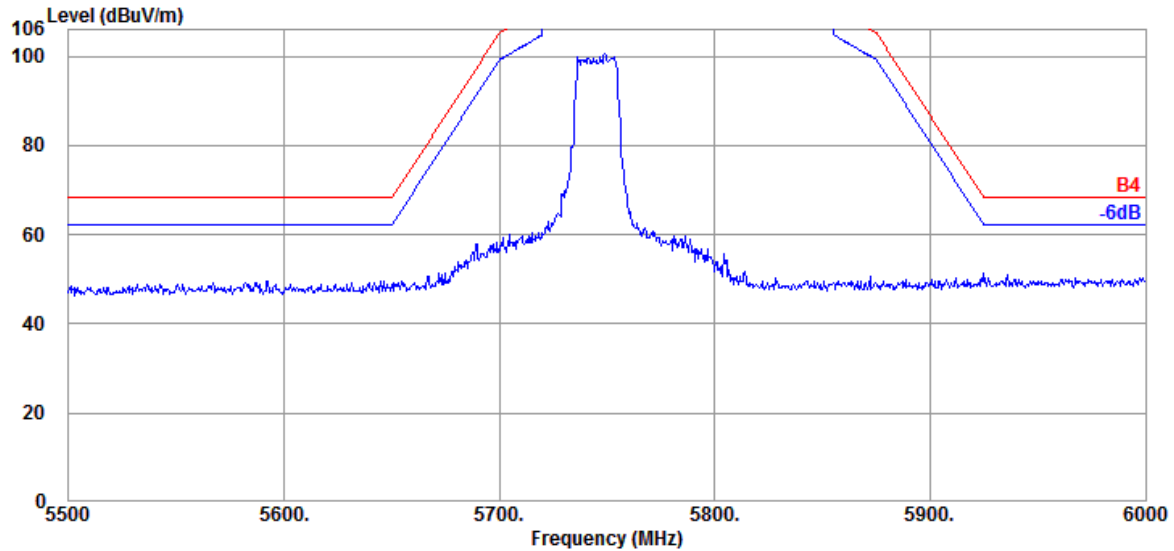
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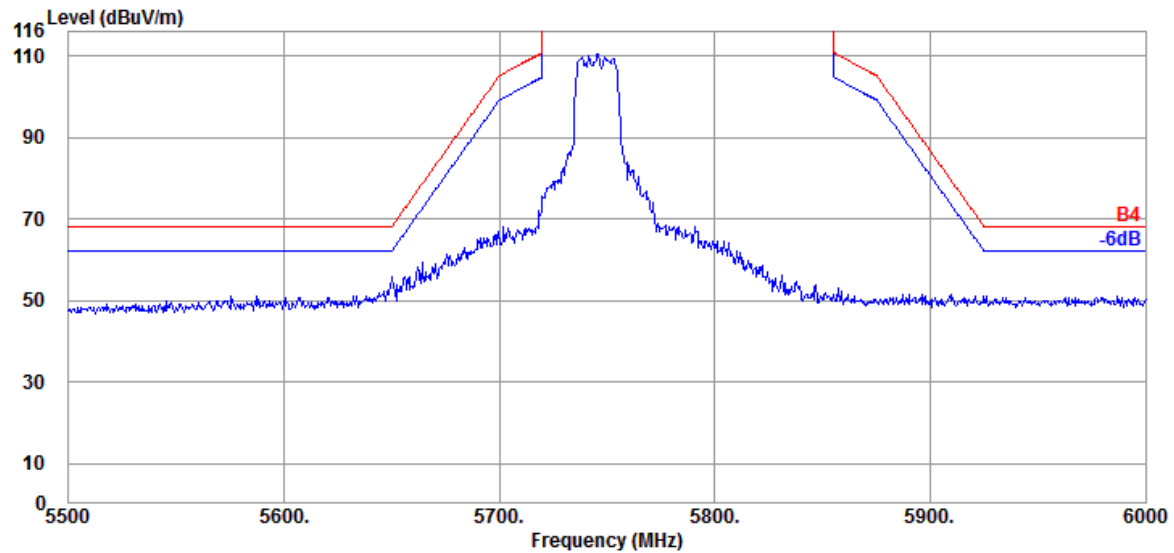
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Mode	802.11ax-HE40	Band	NII-III
RU Configuration	242/61	Frequency	TX 5755MHz

Antenna at Horizontal Polarization



Antenna at Vertical Polarization

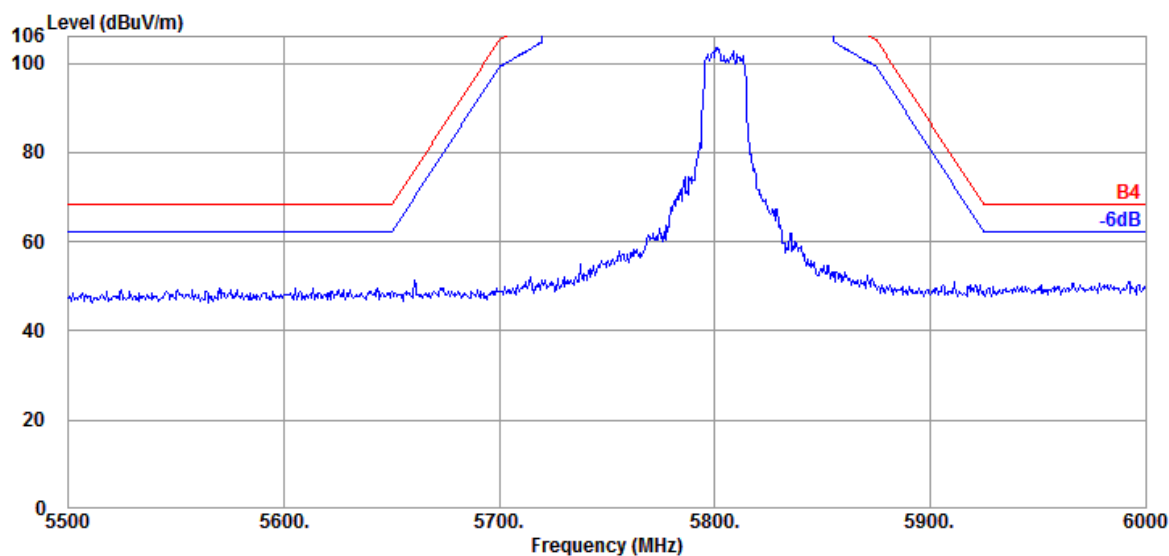


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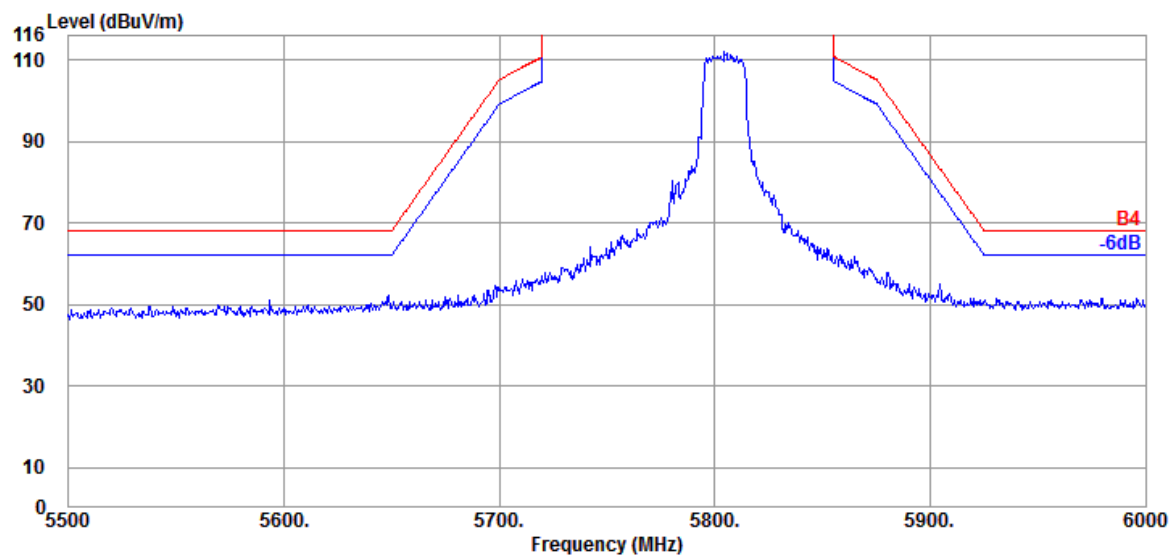
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Mode	802.11ax-HE40	Band	NII-III
RU Configuration	242/62	Frequency	TX 5795MHz

Antenna at Horizontal Polarization



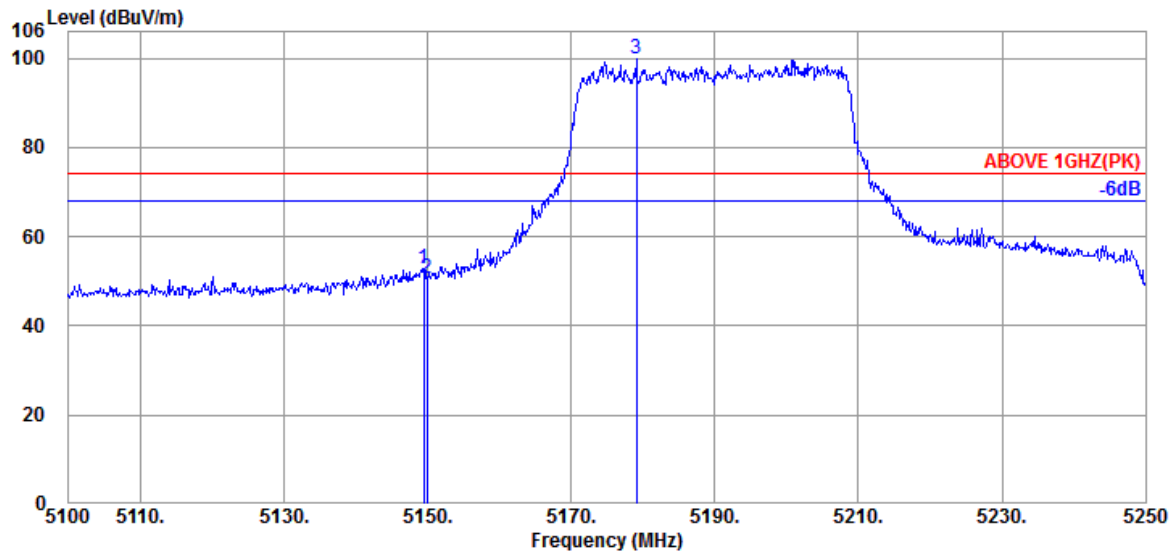
Antenna at Vertical Polarization



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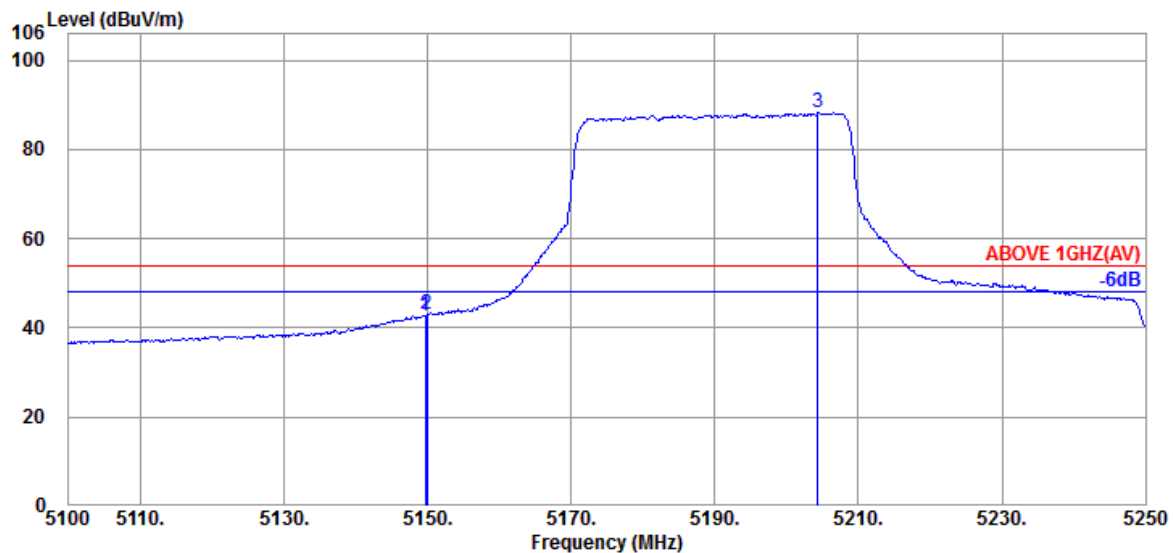
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Mode	802.11ax-HE80	Band	NII-I
RU Configuration	484/65	Frequency	TX 5210MHz



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
5149.500	34.40	10.36	34.38	42.55	52.93	74.00	21.07	Peak
5149.950	34.40	10.36	34.38	40.28	50.66	74.00	23.34	Peak
@ 5179.050	34.47	10.38	34.37	89.47	99.95	---	---	Peak



Antenna at Horizontal Polarization

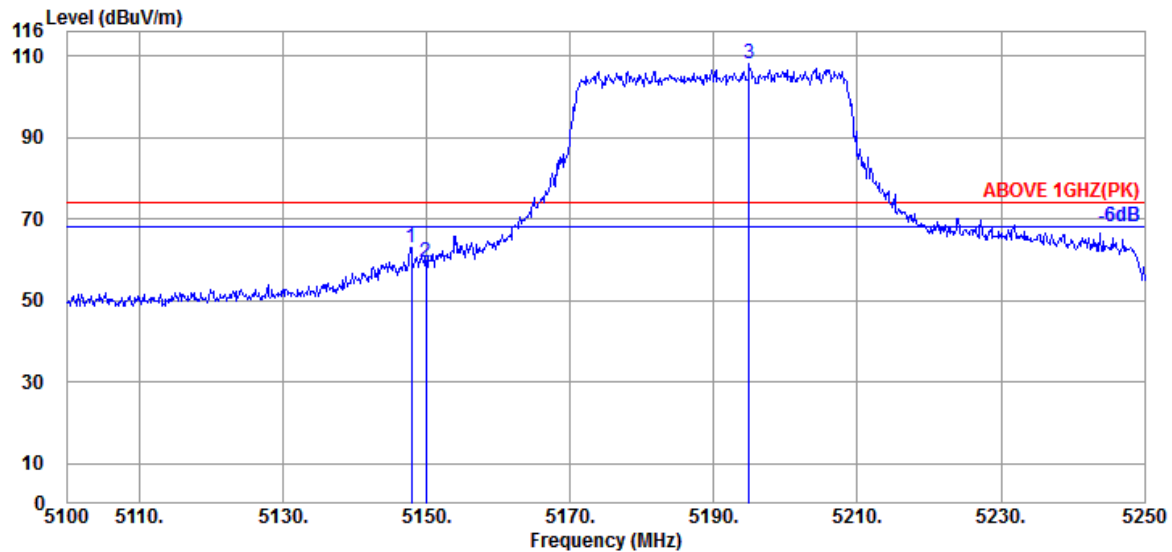
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5149.650	34.40	10.36	34.38	32.49	42.87	54.00	11.13	Average
5149.950	34.40	10.36	34.38	32.76	43.14	54.00	10.86	Average
@ 5204.400	34.50	10.39	34.36	77.66	88.19	---	---	Average

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

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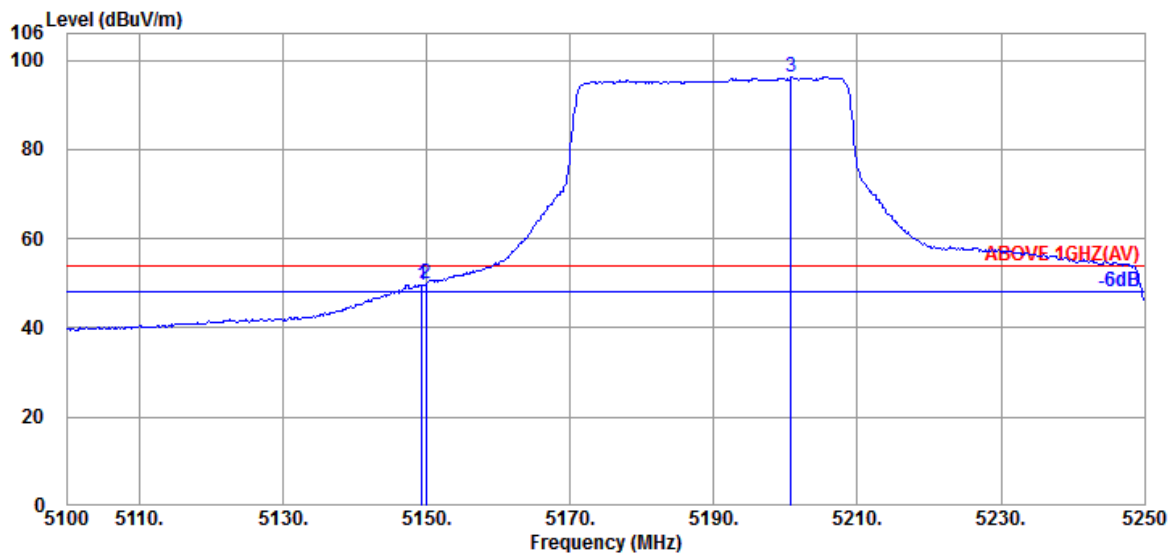
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Mode	802.11ax-HE80	Band	NII-I
RU Configuration	484/65	Frequency	TX 5210MHz



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
5147.850	34.40	10.36	34.38	52.51	62.89	74.00	11.11	Peak
5149.950	34.40	10.36	34.38	49.04	59.42	74.00	14.58	Peak
@ 5194.950	34.50	10.39	34.36	97.65	108.18	---	---	Peak



Antenna at Vertical Polarization

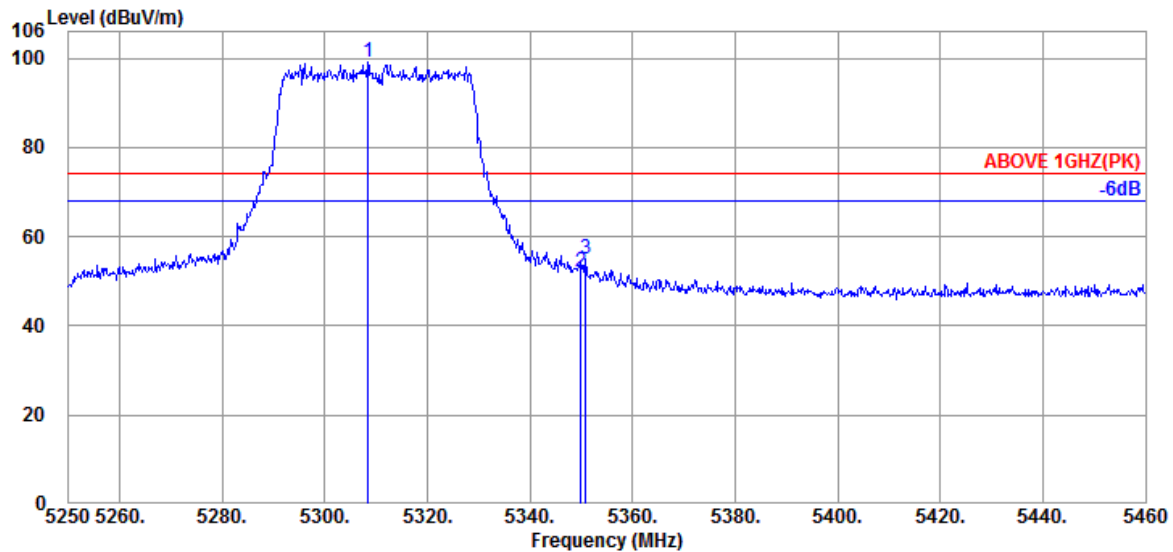
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5149.350	34.40	10.36	34.38	39.15	49.53	54.00	4.47	Average
5149.950	34.40	10.36	34.38	39.58	49.96	54.00	4.04	Average
@ 5200.800	34.50	10.39	34.36	85.85	96.38	---	---	Average

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

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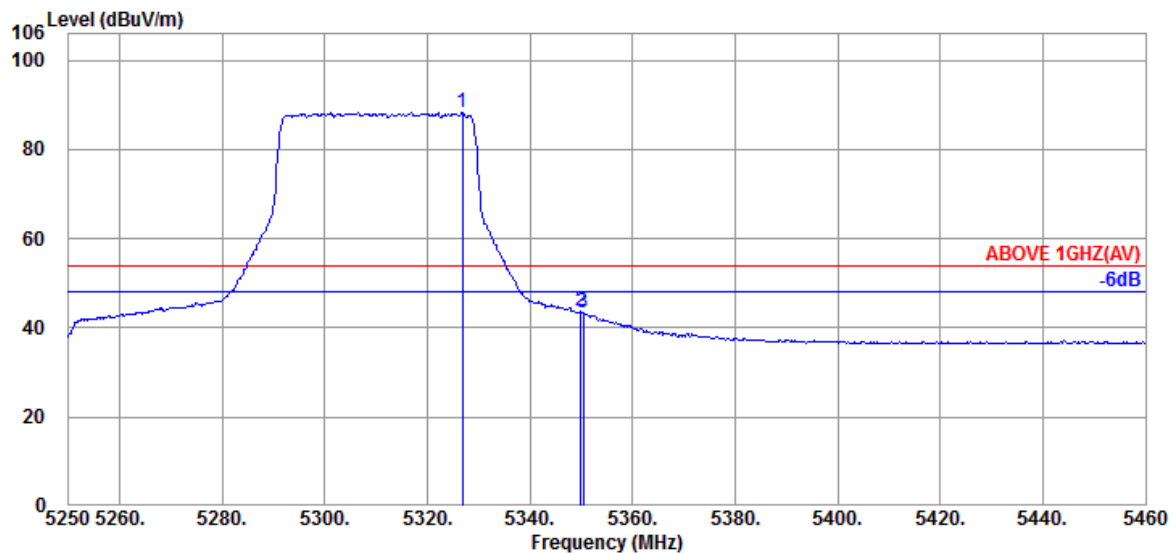
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Mode	802.11ax-HE80	Band	NII-2A
RU Configuration	484/66	Frequency	TX 5290MHz



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
@ 5308.380	34.60	10.45	34.33	88.57	99.29	---	---	Peak
5349.960	34.60	10.48	34.31	41.36	52.13	74.00	21.87	Peak
5350.800	34.60	10.48	34.31	44.13	54.90	74.00	19.10	Peak



Antenna at Horizontal Polarization

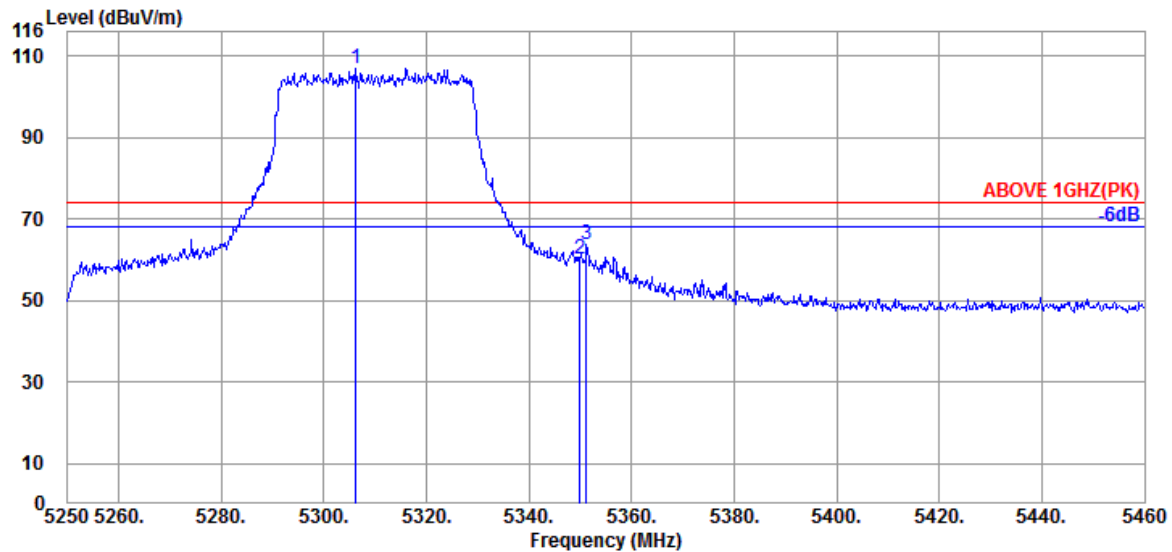
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5326.860	34.60	10.47	34.33	77.52	88.26	---	---	Average
5349.960	34.60	10.48	34.31	32.87	43.64	54.00	10.36	Average
5350.380	34.60	10.48	34.31	32.79	43.56	54.00	10.44	Average

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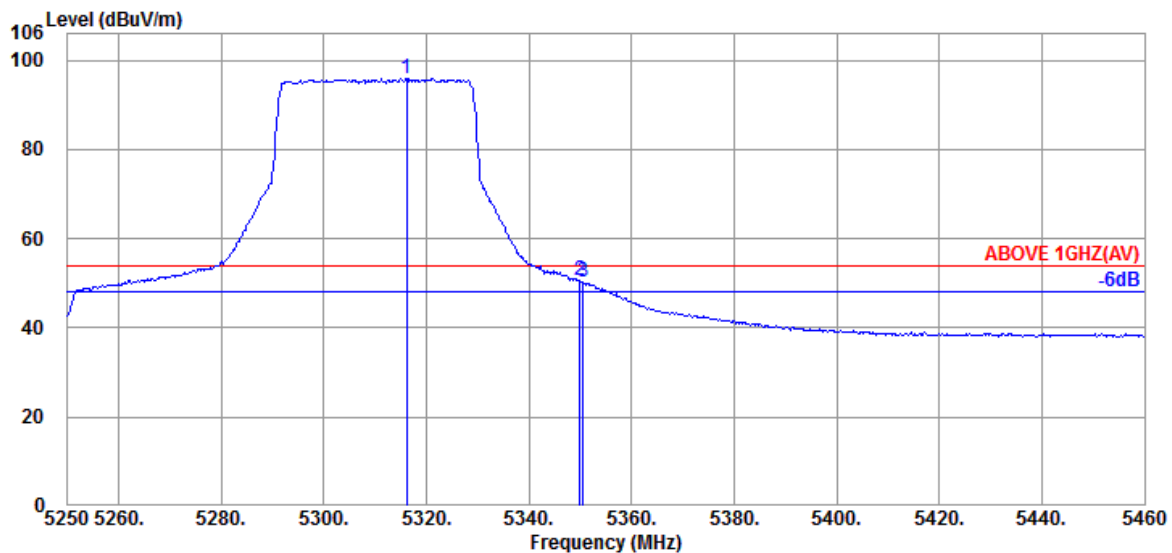
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Mode	802.11ax-HE80	Band	NII-2A
RU Configuration	484/66	Frequency	TX 5290MHz



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
@ 5306.280	34.60	10.45	34.33	96.25	106.97	---	---	Peak
5349.960	34.60	10.48	34.31	49.37	60.14	74.00	13.86	Peak
5351.220	34.60	10.48	34.31	52.86	63.63	74.00	10.37	Peak



Antenna at Vertical Polarization

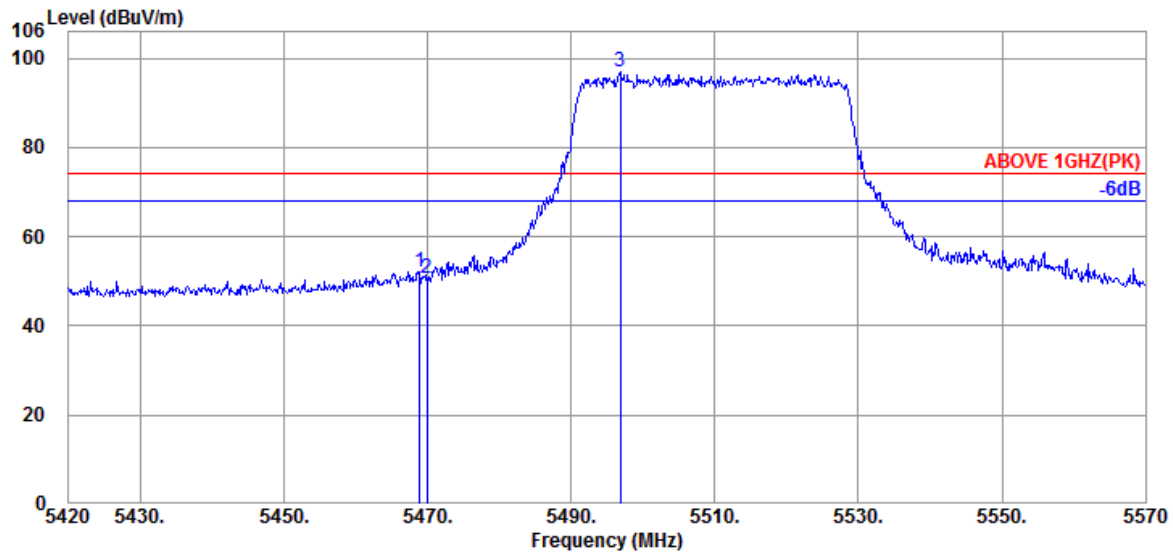
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 5316.150	34.60	10.46	34.33	85.09	95.82	---	---	Average
5349.960	34.60	10.48	34.31	39.72	50.49	54.00	3.51	Average
5350.590	34.60	10.48	34.31	39.37	50.14	54.00	3.86	Average

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

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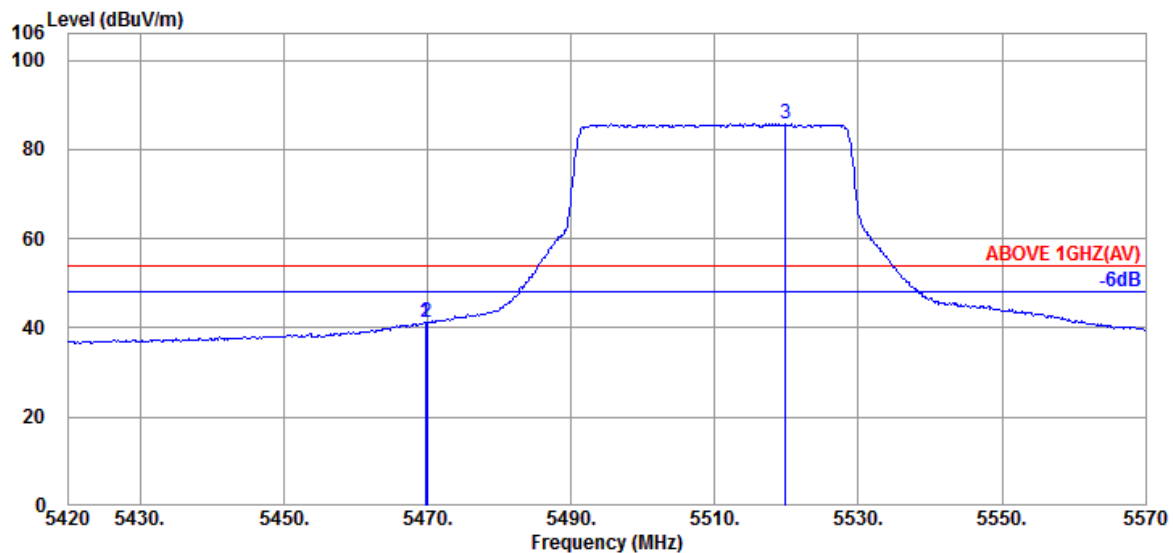
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Mode	802.11ax-HE80	Band	NII-2C
RU Configuration	484/65	Frequency	TX 5530MHz



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
5468.900	34.67	10.54	34.28	41.23	52.16	74.00	21.84	Peak
5469.950	34.67	10.54	34.28	39.89	50.82	74.00	23.18	Peak
@ 5496.800	34.60	10.56	34.27	85.97	96.86	---	---	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
5469.650	34.67	10.54	34.28	30.23	41.16	54.00	12.84	Average
5469.950	34.67	10.54	34.28	30.15	41.08	54.00	12.92	Average
@ 5519.900	34.60	10.58	34.28	74.76	85.66	---	---	Average

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

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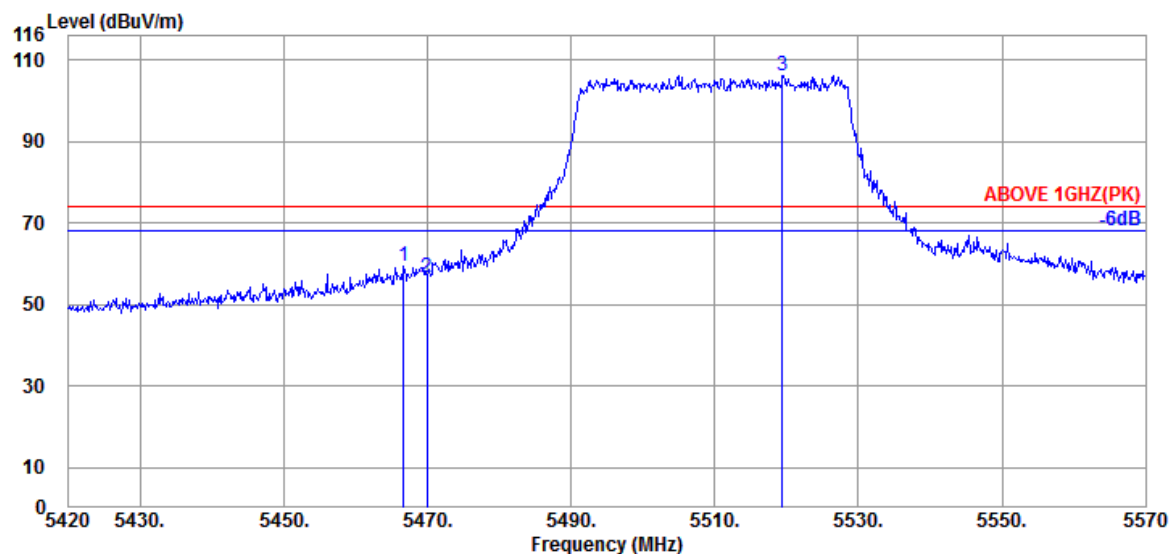
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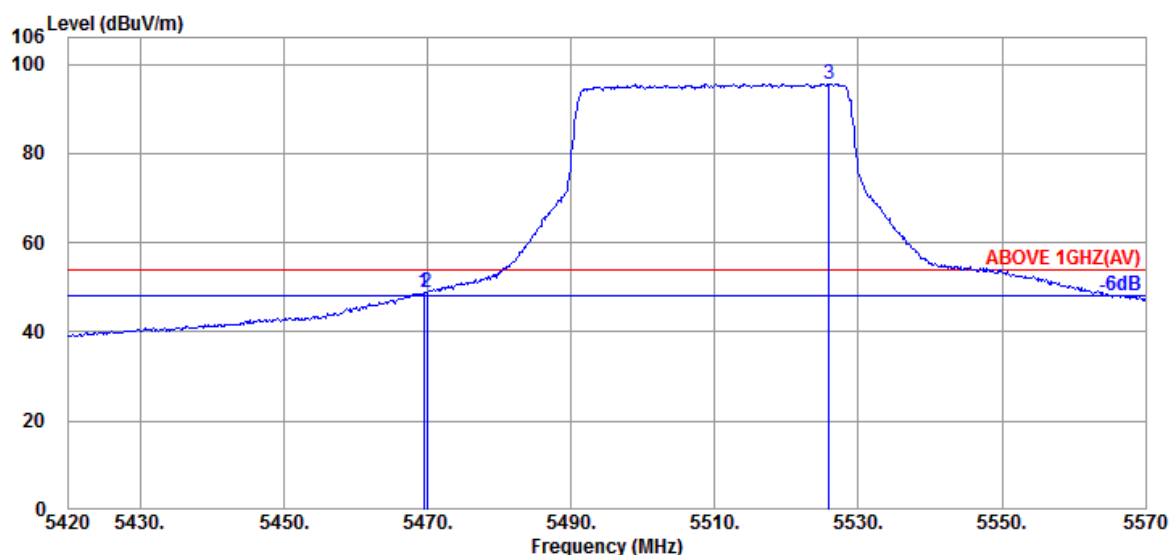
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Mode	802.11ax-HE80	UNII Band	NII-2C
RU Configuration	484/65	Frequency	TX 5530MHz



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
5466.650	34.67	10.54	34.28	48.27	59.20	74.00	14.80	Peak
5469.950	34.67	10.54	34.28	45.78	56.71	74.00	17.29	Peak
@ 5519.450	34.60	10.58	34.28	95.33	106.23	---	---	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
5469.500	34.67	10.54	34.28	37.93	48.86	54.00	5.14	Average
5469.950	34.67	10.54	34.28	37.88	48.81	54.00	5.19	Average
@ 5525.900	34.60	10.58	34.29	84.76	95.65	---	---	Average

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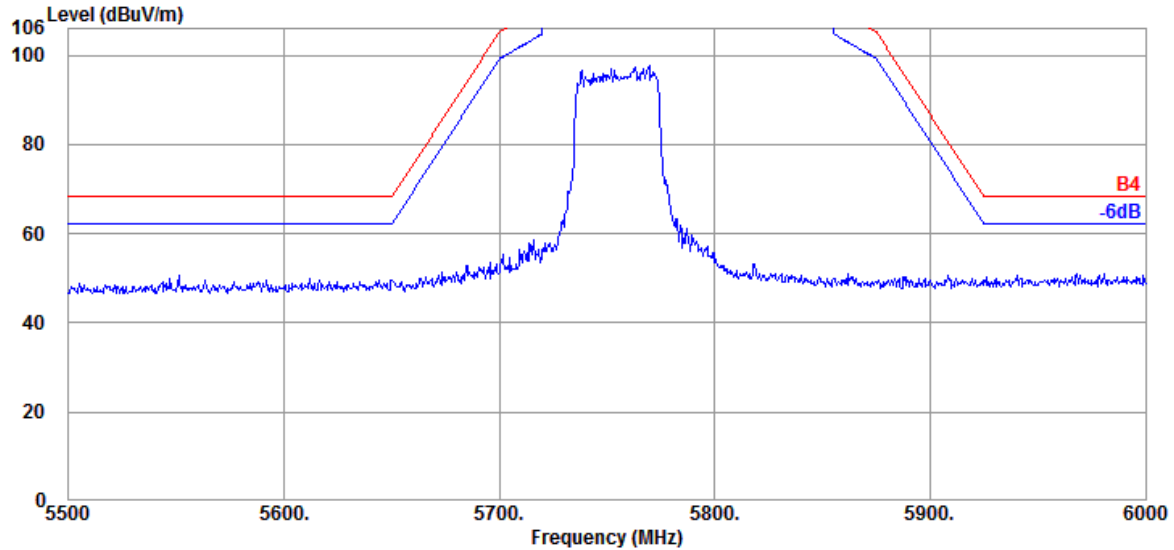
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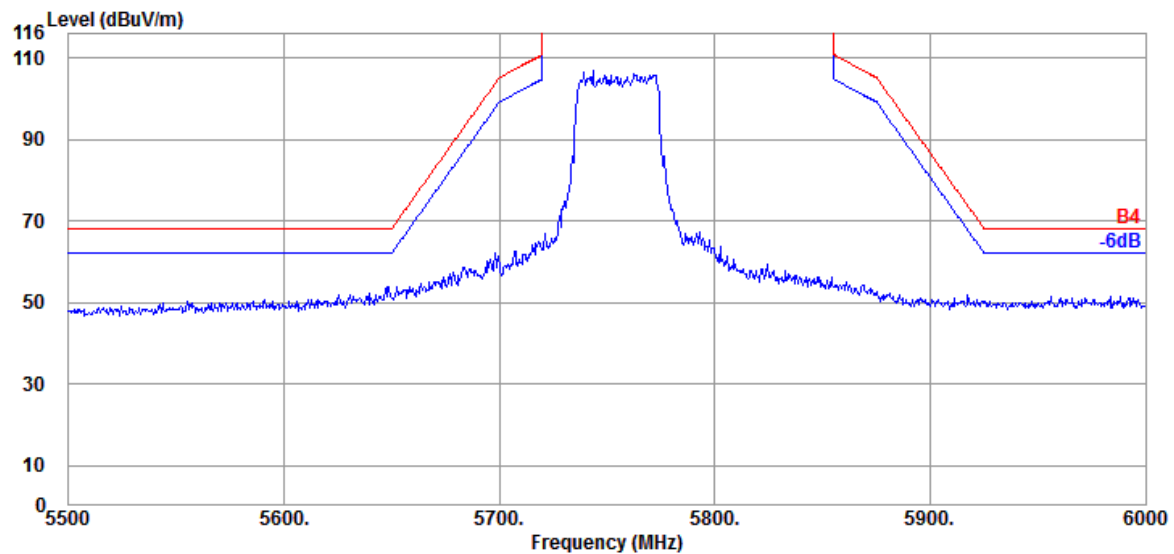
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Mode	802.11ax-HE80	Band	NII-III
RU Configuration	484/65	Frequency	TX 5775MHz

Antenna at Horizontal Polarization



Antenna at Vertical Polarization

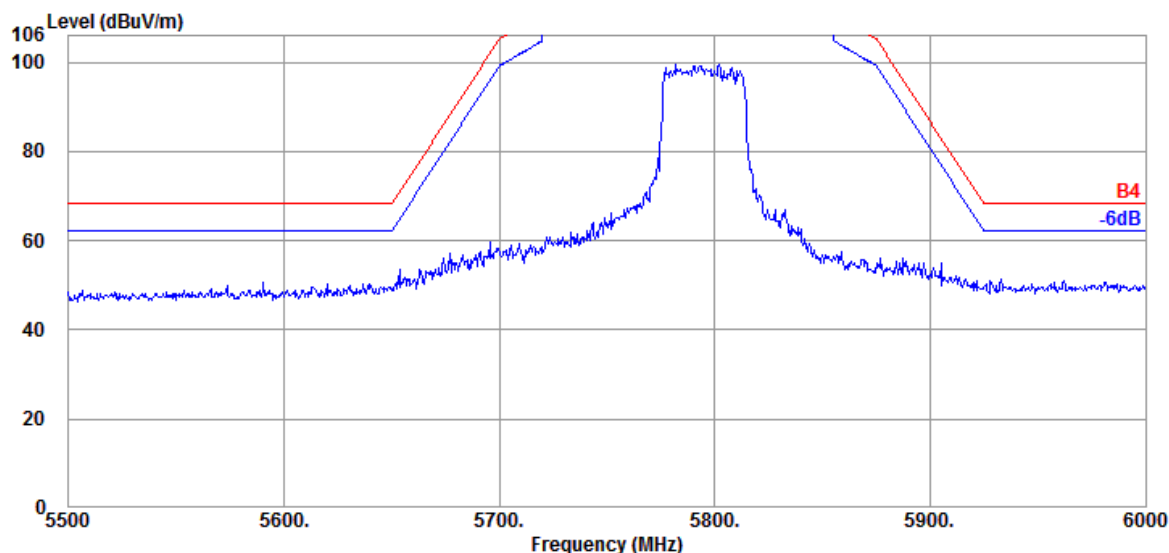


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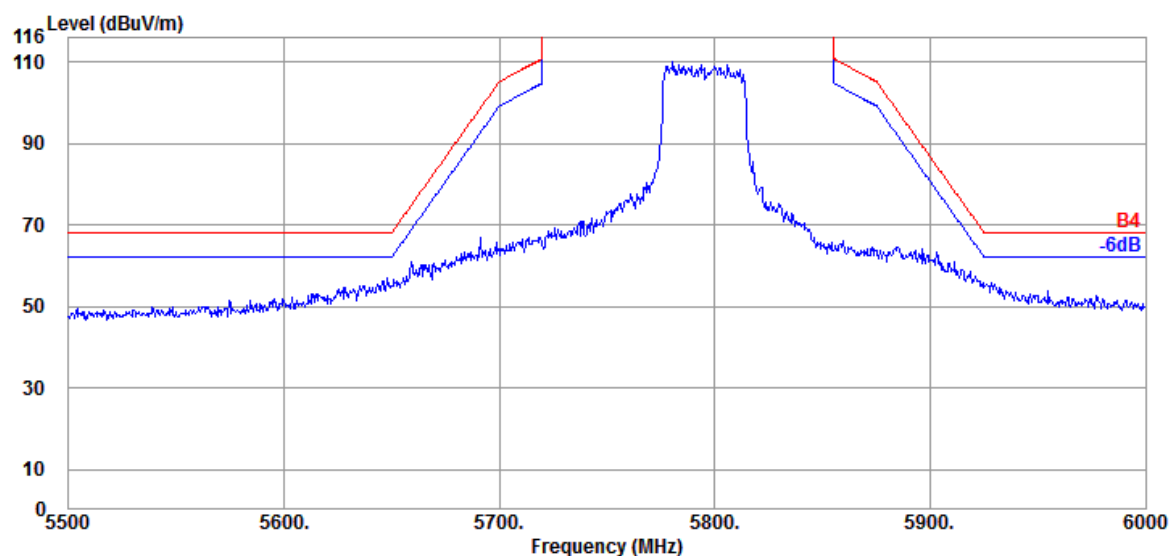
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Mode	802.11ax-HE80	Band	NII-III
RU Configuration	484/66	Frequency	TX 5775MHz

Antenna at Horizontal Polarization



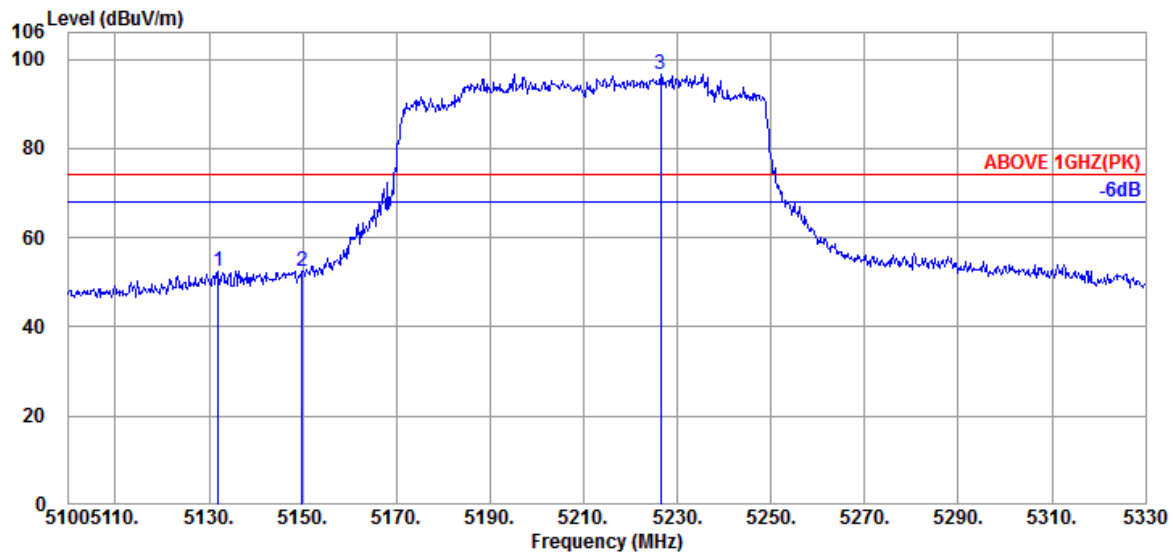
Antenna at Vertical Polarization



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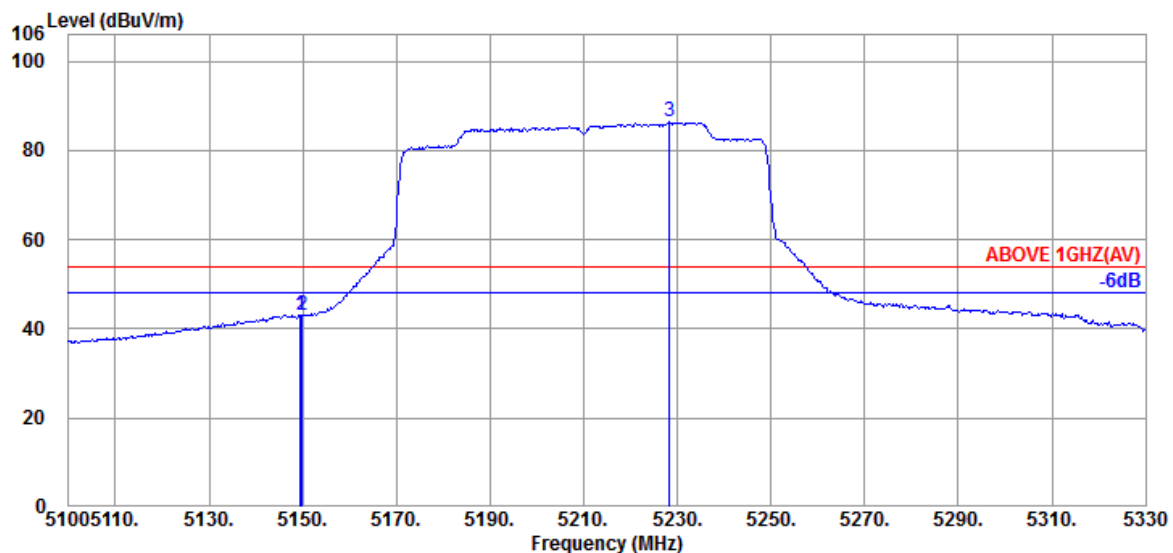
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Mode	802.11ax-HE160	Band	NII-I &NII-2A
RU Configuration	996/67	Frequency	TX 5250MHz



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
5131.970	34.37	10.35	34.39	42.26	52.59	74.00	21.41	Peak
5149.910	34.40	10.36	34.38	41.94	52.32	74.00	21.68	Peak
@ 5226.500	34.50	10.41	34.35	86.09	96.65	---	---	Peak



Antenna at Horizontal Polarization

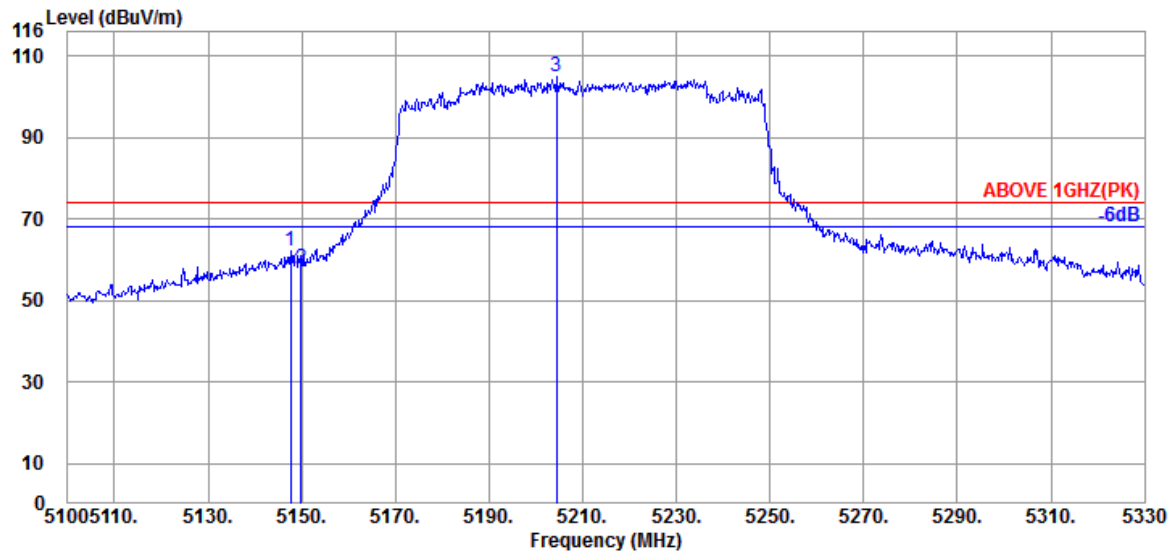
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5149.450	34.40	10.36	34.38	32.69	43.07	54.00	10.93	Average
5149.910	34.40	10.36	34.38	32.71	43.09	54.00	10.91	Average
@ 5228.340	34.50	10.41	34.35	75.74	86.30	---	---	Average

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

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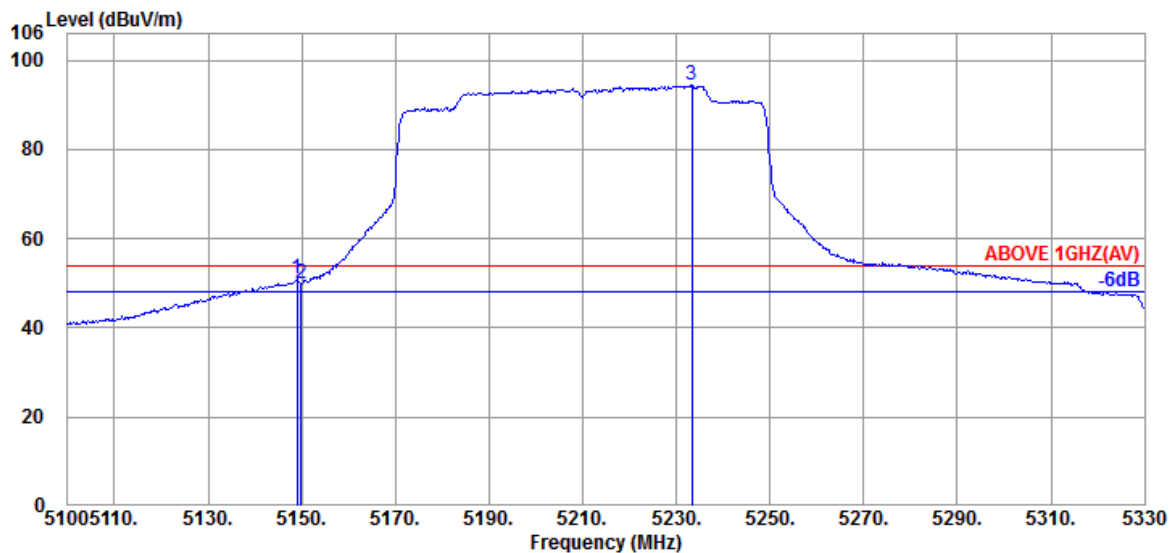
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Mode	802.11ax-HE160	UNII Band	I &NII-2A
RU Configuration	996/67	Frequency	TX 5250MHz



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
5147.610	34.40	10.36	34.38	51.84	62.22	74.00	11.78	Peak
5149.910	34.40	10.36	34.38	47.51	57.89	74.00	16.11	Peak
@ 5204.420	34.50	10.39	34.36	94.36	104.89	---	---	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
5148.990	34.40	10.36	34.38	40.52	50.90	54.00	3.10	Average
5149.910	34.40	10.36	34.38	39.57	49.95	54.00	4.05	Average
@ 5233.400	34.50	10.41	34.35	83.74	94.30	---	---	Average

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

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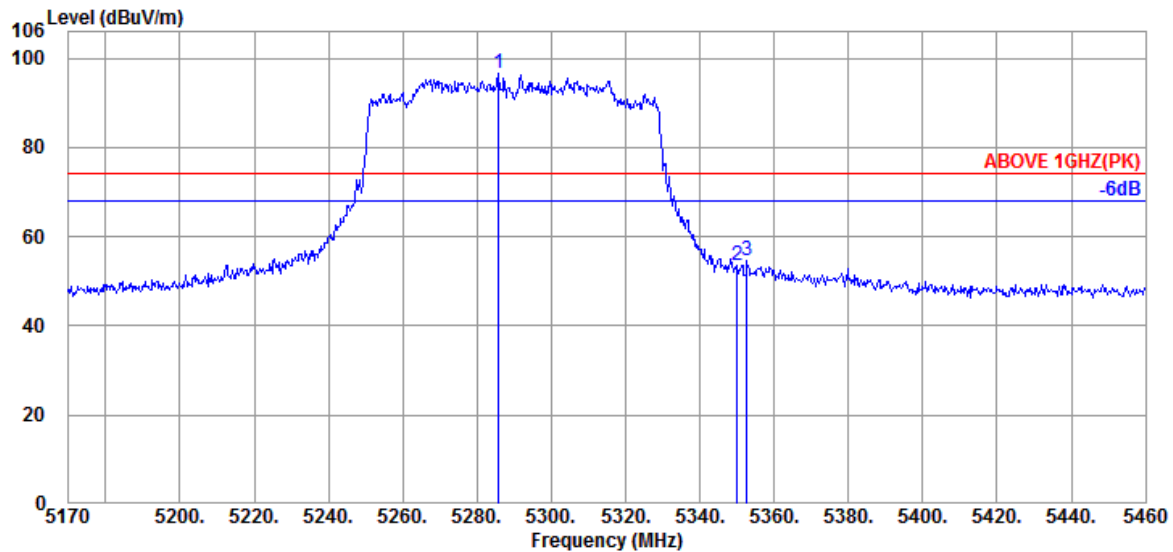
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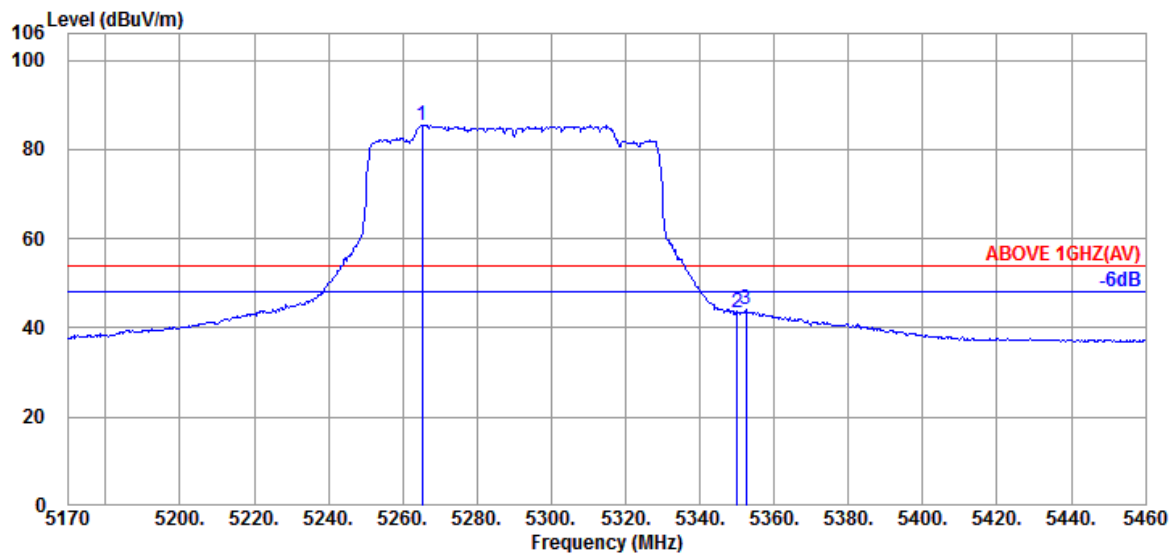
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Mode	802.11ax-HE160	Band	NII-I &NII-2A
RU Configuration	996/S67	Frequency	TX 5250MHz



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
@ 5285.710	34.57	10.44	34.34	85.81	96.48	---	---	Peak
5350.090	34.60	10.48	34.31	42.65	53.42	74.00	20.58	Peak
5352.700	34.60	10.48	34.31	43.96	54.73	74.00	19.27	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
@ 5265.120	34.53	10.43	34.34	74.85	85.47	---	---	Average
5350.090	34.60	10.48	34.31	32.69	43.46	54.00	10.54	Average
5352.410	34.60	10.48	34.31	33.19	43.96	54.00	10.04	Average

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

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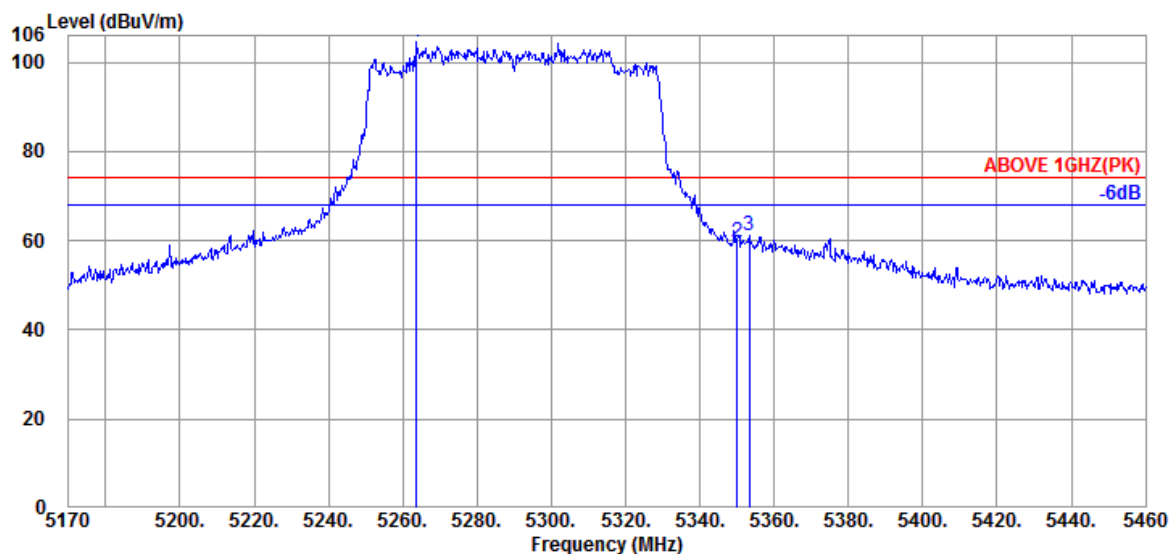
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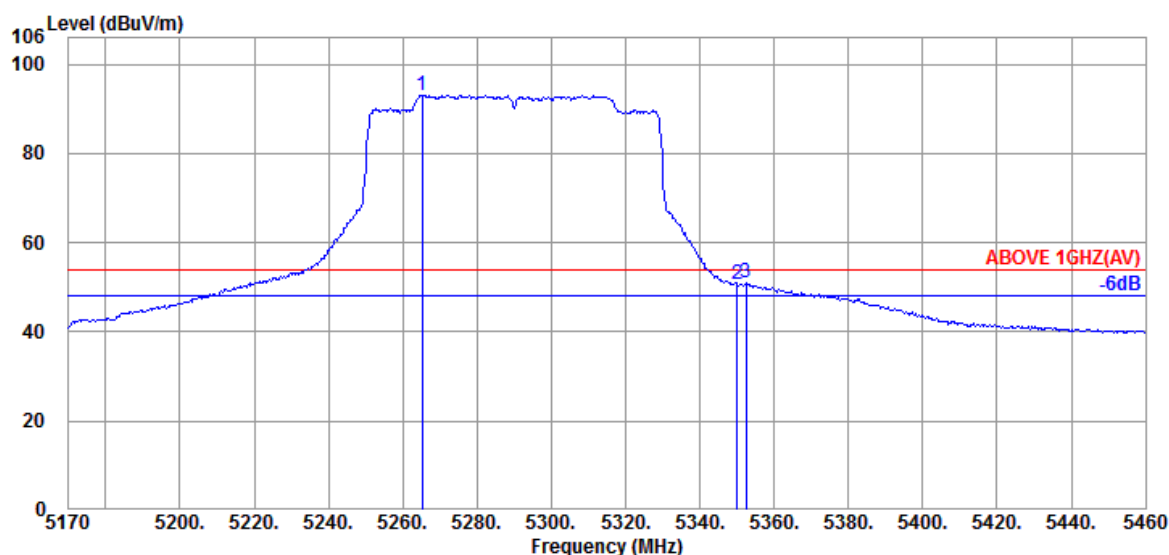
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Mode	802.11ax-HE160	UNII Band	I & NII-2A
RU Configuration	996/S67	Frequency	TX 5250MHz



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
@ 5263.670	34.53	10.43	34.34	93.98	104.60	---	---	Peak
5350.090	34.60	10.48	34.31	48.94	59.71	74.00	14.29	Peak
5353.280	34.60	10.48	34.31	50.47	61.24	74.00	12.76	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
@ 5265.120	34.53	10.43	34.34	82.36	92.98	---	---	Average
5350.090	34.60	10.48	34.31	39.97	50.74	54.00	3.26	Average
5352.410	34.60	10.48	34.31	40.16	50.93	54.00	3.07	Average

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

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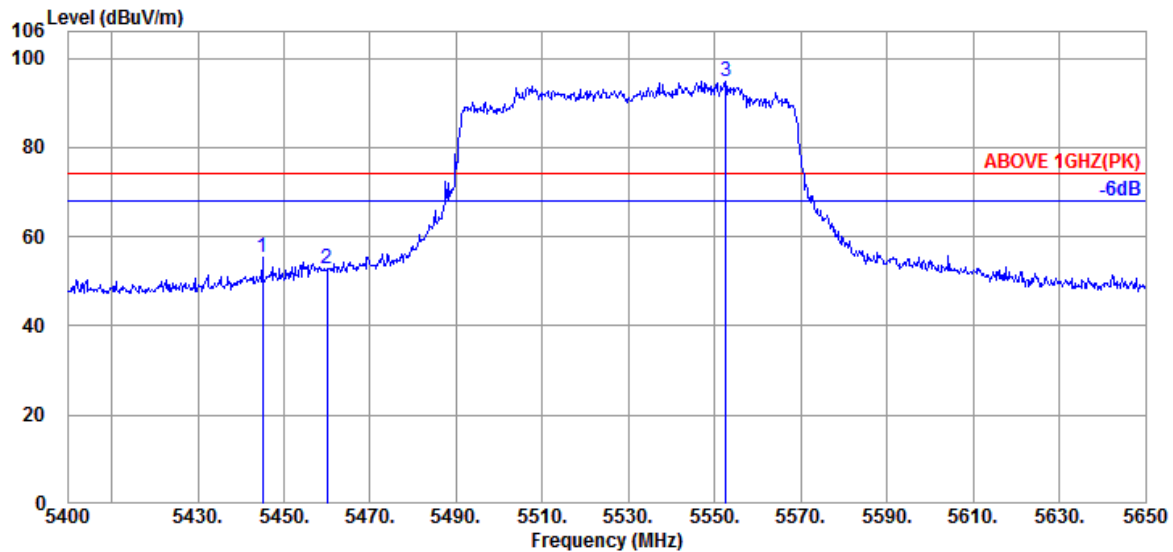
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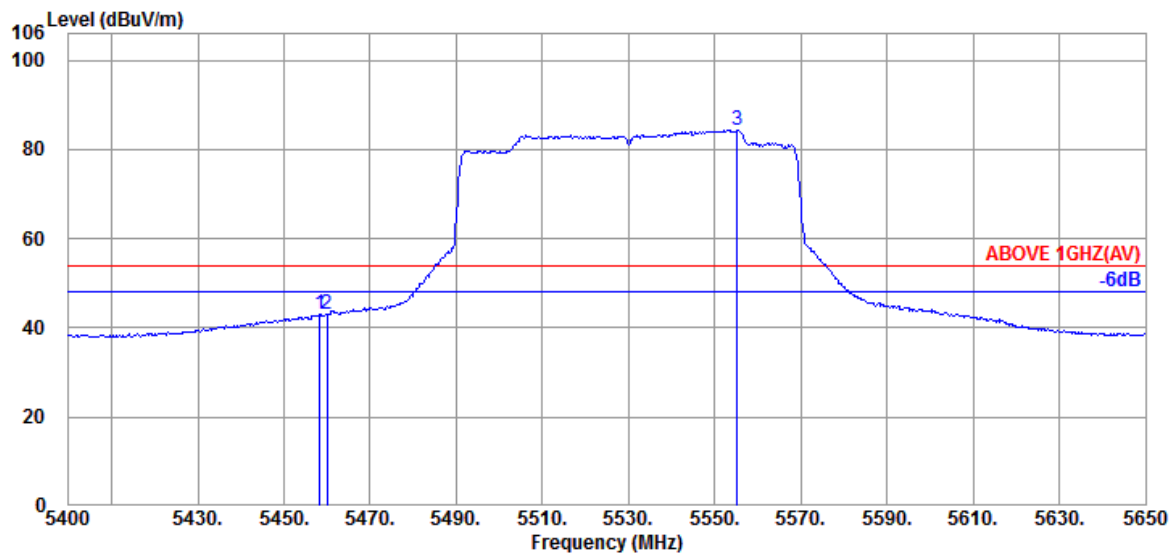
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Mode	802.11ax-HE160	UNII Band	NII-2C
RU Configuration	996/67	Frequency	TX 5570MHz



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
5445.000	34.67	10.52	34.29	44.47	55.37	74.00	18.63	Peak
5460.000	34.70	10.53	34.28	41.82	52.77	74.00	21.23	Peak
@ 5552.500	34.60	10.63	34.30	83.92	94.85	---	---	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
5458.250	34.70	10.53	34.28	31.95	42.90	54.00	11.10	Average
5460.000	34.70	10.53	34.28	32.10	43.05	54.00	10.95	Average
@ 5555.250	34.60	10.63	34.30	73.50	84.43	---	---	Average

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

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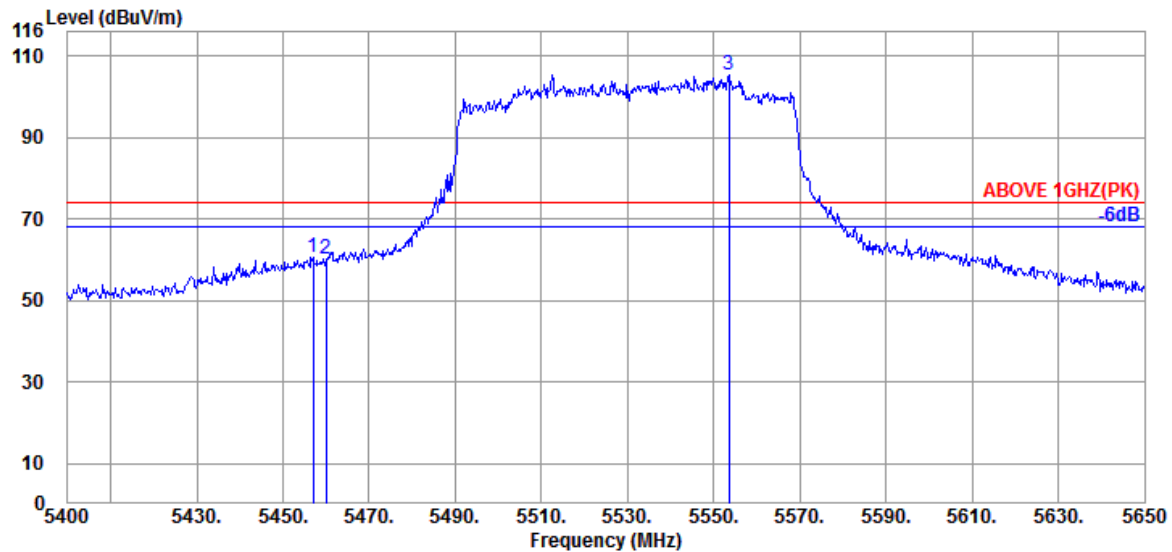
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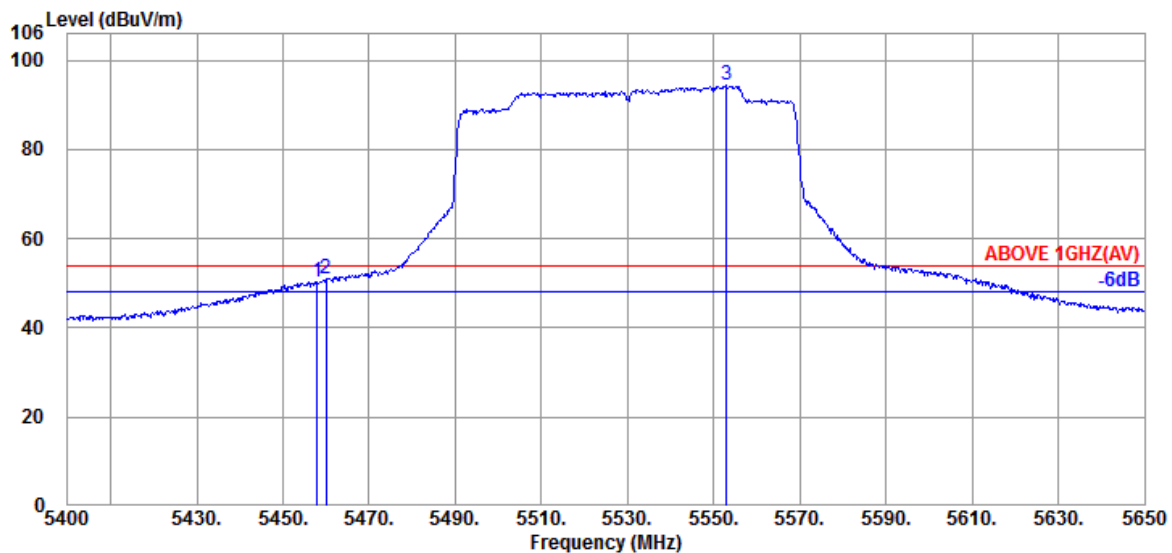
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Mode	802.11ax-HE160	UNII Band	NII-2C
RU Configuration	996/67	Frequency	TX 5570MHz



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
5457.000	34.70	10.53	34.28	49.71	60.66	74.00	13.34	Peak
5460.000	34.70	10.53	34.28	49.28	60.23	74.00	13.77	Peak
@ 5553.500	34.60	10.63	34.30	94.41	105.34	---	---	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
5458.000	34.70	10.53	34.28	39.49	50.44	54.00	3.56	Average
5460.000	34.70	10.53	34.28	40.02	50.97	54.00	3.03	Average
@ 5553.000	34.60	10.63	34.30	83.32	94.25	---	---	Average

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

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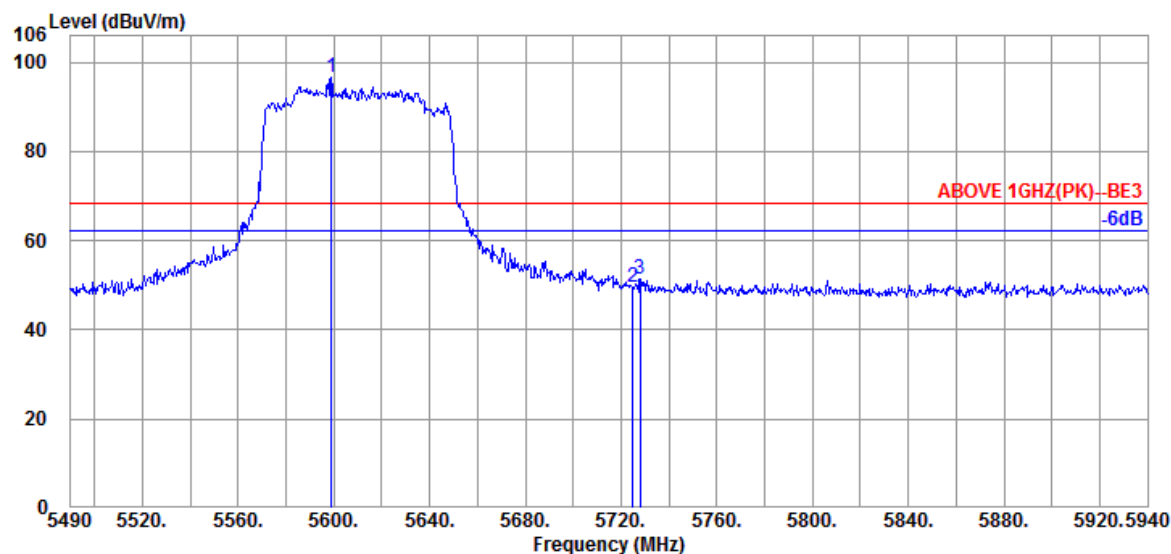
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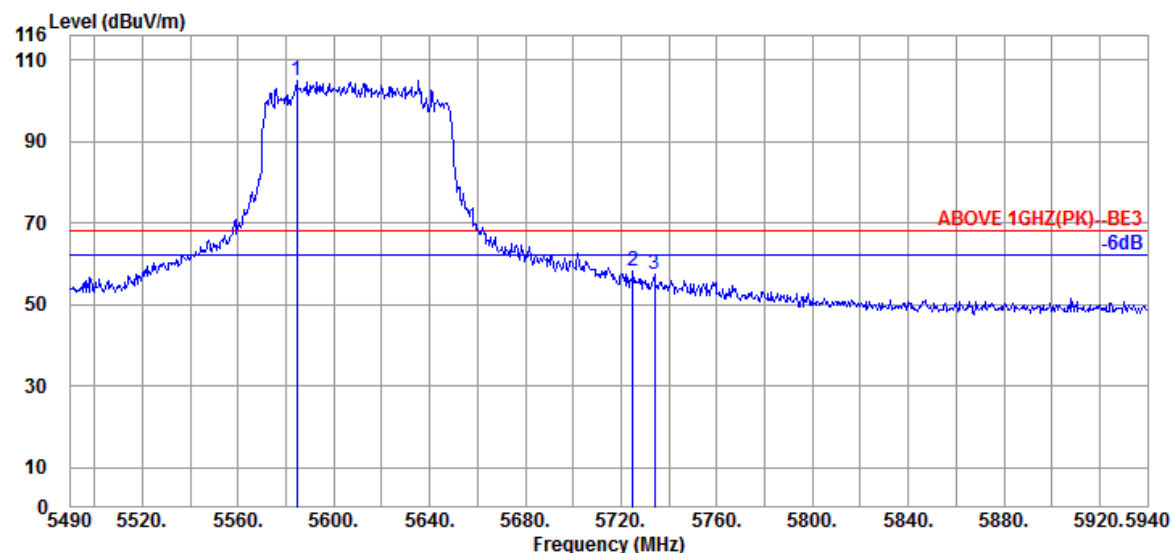
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Mode	802.11ax-HE160	UNII Band	NII-2C
RU Configuration	996/S67	Frequency	TX 5570MHz



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
@ 5598.900	34.60	10.69	34.32	85.51	96.48	---	---	Peak
5724.900	34.80	10.84	34.37	38.43	49.70	68.20	18.50	Peak
5728.050	34.80	10.84	34.38	40.07	51.33	68.20	16.87	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
@ 5584.500	34.60	10.67	34.31	93.87	104.83	---	---	Peak
5724.900	34.80	10.84	34.37	46.95	58.22	68.20	9.98	Peak
5733.900	34.80	10.84	34.38	46.03	57.29	68.20	10.91	Peak

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

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A.2.2 Emissions outside the frequency band

The emissions (up to 40GHz) not reported for there is no emission be found.

Mode	802.11a	Band	NII-I
		Frequency	TX 5240MHz

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
10480.000	37.70	14.82	34.75	30.62	48.39	54.00	5.61	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
10480.000	37.70	14.82	34.75	29.99	47.76	54.00	6.24	Peak

Mode	802.11a	Band	NII-2A
		Frequency	TX 5260MHz

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
10520.000	37.70	14.84	34.72	30.37	48.19	54.00	5.81	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
10520.000	37.70	14.84	34.72	30.63	48.45	54.00	5.55	Peak

Mode	802.11a	Band	NII-2C
		Frequency	TX 5580MHz

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
11160.000	38.00	15.24	34.61	29.91	48.54	54.00	5.46	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
11160.000	38.00	15.24	34.61	29.47	48.10	54.00	5.90	Peak

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Mode	802.11a	Band	NII-III
		Frequency	TX 5745MHz

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
11490.000	38.30	15.47	34.64	30.00	49.13	54.00	4.87	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
11490.000	38.30	15.47	34.64	29.55	48.68	54.00	5.32	Peak

Mode	802.11n-HT20	Band	NII-I
		Frequency	TX 5240MHz

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
10480.000	37.70	14.82	34.75	30.36	48.13	54.00	5.87	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
10480.000	37.70	14.82	34.75	30.65	48.42	54.00	5.58	Peak

Mode	802.11n-HT20	Band	NII-2A
		Frequency	TX 5300MHz

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
10600.000	37.80	14.89	34.70	29.84	47.83	54.00	6.17	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
10600.000	37.80	14.89	34.70	30.46	48.45	54.00	5.55	Peak

Mode	802.11n-HT20	Band	NII-2C
		Frequency	TX 5580MHz

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
11160.000	38.00	15.24	34.61	30.18	48.81	54.00	5.19	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
11160.000	38.00	15.24	34.61	29.76	48.39	54.00	5.61	Peak

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

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
11440.000	38.23	15.44	34.64	29.15	48.18	54.00	5.82	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
11440.000	38.23	15.44	34.64	29.30	48.33	54.00	5.67	Peak

Mode	802.11n-HT20	Band	NII-III
		Frequency	TX 5785MHz

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
11570.000	38.37	15.53	34.65	30.51	49.76	54.00	4.24	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
11570.000	38.37	15.53	34.65	29.72	48.97	54.00	5.03	Peak

Mode	802.11n-HT40	Band	NII-I
		Frequency	TX 5230MHz

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
10460.000	37.70	14.80	34.78	29.90	47.62	54.00	6.38	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
10460.000	37.70	14.80	34.78	30.40	48.12	54.00	5.88	Peak

Mode	802.11n-HT40	Band	NII-2A
		Frequency	TX 5270MHz

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
10540.000	37.73	14.85	34.71	29.56	47.43	54.00	6.57	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
10540.000	37.73	14.85	34.71	31.39	49.26	54.00	4.74	Peak

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

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
11100.000	38.00	15.19	34.60	29.89	48.48	54.00	5.52	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
11100.000	38.00	15.19	34.60	30.60	49.19	54.00	4.81	Peak

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

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
11420.000	38.23	15.43	34.63	29.36	48.39	54.00	5.61	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
11420.000	38.23	15.43	34.63	29.78	48.81	54.00	5.19	Peak

Mode	802.11n-HT40	Band	NII-III
		Frequency	TX 5795MHz

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
11590.000	38.40	15.55	34.65	29.75	49.05	54.00	4.95	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
11590.000	38.40	15.55	34.65	30.29	49.59	54.00	4.41	Peak

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Mode	802.11ac-VHT80	Band	NII-I
		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
10420.000	37.70	14.78	34.81	30.75	48.42	54.00	5.58	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
10420.000	37.70	14.78	34.81	29.92	47.59	54.00	6.41	Peak

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

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
10580.000	37.77	14.88	34.70	30.73	48.68	54.00	5.32	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
10580.000	37.77	14.88	34.70	29.93	47.88	54.00	6.12	Peak

Mode	802.11ac-VHT80	Band	NII-2C
		Frequency	TX 5610MHz

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
11220.000	38.00	15.28	34.61	28.67	47.34	54.00	6.66	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
11220.000	38.00	15.28	34.61	29.10	47.77	54.00	6.23	Peak

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Mode	802.11ac-VHT80	Band	NII-2C
		Frequency	TX 5690MHz

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
11380.000	38.17	15.40	34.63	28.22	47.16	54.00	6.84	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
11380.000	38.17	15.40	34.63	29.52	48.46	54.00	5.54	Peak

Mode	802.11ac-VHT80	Band	NII-III
		Frequency	TX 5775MHz

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
11550.000	38.33	15.52	34.65	30.18	49.38	54.00	4.62	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
11550.000	38.33	15.52	34.65	29.98	49.18	54.00	4.82	Peak

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Mode	802.11ac-VHT160	Band	I/NII-2A
		Frequency	TX 5250MHz

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
10500.000	37.70	14.83	34.72	30.90	48.71	54.00	5.29	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
10500.000	37.70	14.83	34.72	30.51	48.32	54.00	5.68	Peak

Mode	802.11ac-VHT160	Band	NII-2C
		Frequency	TX 5570MHz

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
11140.000	38.00	15.22	34.61	30.54	49.15	54.00	4.85	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
11140.000	38.00	15.22	34.61	29.73	48.34	54.00	5.66	Peak

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Mode	802.11ax-HE20	Band	NII-I
		Frequency	TX 5200MHz

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
10400.000	37.70	14.77	34.81	31.05	48.71	54.00	5.29	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
10400.000	37.70	14.77	34.81	32.07	49.73	54.00	4.27	Peak

Mode	802.11ax-HE20	Band	NII-2A
		Frequency	TX 5260MHz

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
10520.000	37.70	14.84	34.72	30.72	48.54	54.00	5.46	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
10520.000	37.70	14.84	34.72	30.34	48.16	54.00	5.84	Peak

Mode	802.11ax-HE20	Band	NII-2C
		Frequency	TX 5580MHz

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
11160.000	38.00	15.24	34.61	30.16	48.79	54.00	5.21	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
11160.000	38.00	15.24	34.61	29.35	47.98	54.00	6.02	Peak

Mode	802.11ax-HE20	Band	NII-2C
		Frequency	TX 5720MHz

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
11440.000	38.23	15.44	34.64	29.55	48.58	54.00	5.42	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
11440.000	38.23	15.44	34.64	30.06	49.09	54.00	4.91	Peak

Mode	802.11ax-HE20	Band	NII-III
		Frequency	TX 5785MHz

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
11570.000	38.37	15.53	34.65	31.39	50.64	54.00	3.36	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
11570.000	38.37	15.53	34.65	29.58	48.83	54.00	5.17	Peak

Mode	802.11ax-HE40	Band	NII-I
		Frequency	TX 5230MHz

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
10460.000	37.70	14.80	34.78	30.09	47.81	54.00	6.19	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
10460.000	37.70	14.80	34.78	30.44	48.16	54.00	5.84	Peak

Mode	802.11ax-HE40	Band	NII-2A
		Frequency	TX 5270MHz

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
10540.000	37.73	14.85	34.71	29.97	47.84	54.00	6.16	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
10540.000	37.73	14.85	34.71	31.33	49.20	54.00	4.80	Peak

Mode	802.11ax-HE40	Band	NII-2C
		Frequency	TX 5550MHz

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
11100.000	38.00	15.19	34.60	30.69	49.28	54.00	4.72	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
11100.000	38.00	15.19	34.60	30.10	48.69	54.00	5.31	Peak

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Mode	802.11ax-HE40	Band	NII-2C
		Frequency	TX 5710MHz

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
11420.000	38.23	15.43	34.63	30.68	49.71	54.00	4.29	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
11420.000	38.23	15.43	34.63	29.88	48.91	54.00	5.09	Peak

Mode	802.11ax-HE40	Band	NII-III
		Frequency	TX 5795MHz

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
11590.000	38.40	15.55	34.65	29.95	49.25	54.00	4.75	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
11590.000	38.40	15.55	34.65	30.31	49.61	54.00	4.39	Peak

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Mode	802.11ax-HE80	Band	NII-I
		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
10420.000	37.70	14.78	34.81	30.65	48.32	54.00	5.68	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
10420.000	37.70	14.78	34.81	31.10	48.77	54.00	5.23	Peak

Mode	802.11ax-HE80	Band	NII-2A
		Frequency	TX 5290MHz

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
10580.000	37.77	14.88	34.70	30.69	48.64	54.00	5.36	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
10580.000	37.77	14.88	34.70	31.03	48.98	54.00	5.02	Peak

Mode	802.11ax-HE80	Band	NII-2C
		Frequency	TX 5610MHz

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
11220.000	38.00	15.28	34.61	29.39	48.06	54.00	5.94	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
11220.000	38.00	15.28	34.61	29.60	48.27	54.00	5.73	Peak

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Mode	802.11ax-HE80	Band	NII-2C
		Frequency	TX 5690MHz

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
11380.000	38.17	15.40	34.63	29.45	48.39	54.00	5.61	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
11380.000	38.17	15.40	34.63	30.43	49.37	54.00	4.63	Peak

Mode	802.11ax-HE80	Band	NII-III
		Frequency	TX 5775MHz

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
11550.000	38.33	15.52	34.65	29.58	48.78	54.00	5.22	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
11550.000	38.33	15.52	34.65	30.64	49.84	54.00	4.16	Peak

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Mode	802.11ax-HE160	Band	NII-I/NII-2A
		Frequency	TX 5250MHz

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
10500.000	37.70	14.83	34.72	31.77	49.58	54.00	4.42	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
10500.000	37.70	14.83	34.72	30.57	48.38	54.00	5.62	Peak

Mode	802.11ax-HE160	Band	NII-2C
		Frequency	TX 5570MHz

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
11140.000	38.00	15.22	34.61	29.90	48.51	54.00	5.49	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
11140.000	38.00	15.22	34.61	30.15	48.76	54.00	5.24	Peak

A.2.3 Emissions in Non-restricted Frequency Bands

Pursuant to KDB 789033 D02 General UNII Test Procedures New Rules v02r01 that emission levels below the 15.209 general radiated emissions limits is not required.

A.3 26dB/6dB BANDWIDTH

Test Date	2020/09/29 ~ 10/06	Temp./Hum.	22~24°C/52~56%
Cable Loss	1.2dB	Tested By	Brian Hsieh
Test Voltage	AC 120V, 60Hz (via AC Adapter)		
Simultaneous Factor 10 log(n) (Note: "n" is antenna number)	802.11a: 0dB	802.11ac-VHT80/160: 3dB	
	802.11n-HT20/40: 3dB	802.11ax-HE80/160: 3dB	

A.3.1 26dB/6dB Bandwidth Result

Mode	Band	Centre Frequency (MHz)	26dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11a	NII-I	5180	23.34	16.793	Reference only
		5200	26.30	16.953	
		5240	26.16	17.215	
	NII-2A	5260	25.38	17.113	
		5300	27.43	17.467	
		5320	22.87	16.744	
	NII-2C	5500	23.28	16.764	
		5580	28.47	18.052	
		5700	24.00	16.794	
Mode	Band	Centre Frequency (MHz)	6dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11a	NII-III	5745	16.39	19.290	≥ 500kHz
		5785	16.35	19.937	
		5825	16.33	20.040	

Mode	Band	Centre Frequency (MHz)	26dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11n-HT20	NII-I	5180	23.77	17.870	Reference only
		5200	23.17	17.882	
		5240	13.86	17.875	
	NII-2A	5260	23.94	17.898	
		5300	24.17	17.901	
		5320	22.99	17.862	
	NII-2C	5500	24.19	17.858	
		5580	23.71	17.894	
		5700	24.48	17.900	
		5720	23.47	17.854	
Mode	Band	Centre Frequency (MHz)	6dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11n-HT20	NII-III	5745	17.59	18.589	≥ 500kHz
		5785	17.60	18.361	
		5825	17.60	18.955	

Mode	Band	Centre Frequency (MHz)	26dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11n-HT40	NII-I	5190	44.02	36.377	Reference only
		5230	43.93	36.351	
	NII-2A	5270	45.11	36.407	
		5310	41.56	36.355	
	NII-2C	5510	44.71	36.383	
		5550	47.63	36.543	
		5670	43.34	36.431	
		5710	45.96	36.541	
Mode	Band	Centre Frequency (MHz)	6dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11n-HT40	NII-III	5755	36.37	36.459	≥ 500kHz
		5795	36.41	36.444	

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Mode	Band	Centre Frequency (MHz)	26dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11ac-VHT80	NII-I	5210	83.41	75.168	Reference only
	NII-2A	5290	82.98	75.266	
	NII-2C	5530	83.35	75.095	
		5610	81.10	75.211	
		5690	91.12	75.417	
Mode	Band	Centre Frequency (MHz)	6dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11ac-VHT80	NII-III	5775	71.90	75.178	≥ 500kHz

Mode	Band	Centre Frequency (MHz)	26dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11ac-VHT160	NII-I	5250	163.7	153.45	Reference only
	NII-2A				
	NII-2C	5570	163.2	153.47	

Mode	Band	Centre Frequency (MHz)	26dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11ax-HE20	NII-I	5180	24.01	18.985	Reference only
		5200	24.21	19.095	
		5240	25.05	19.075	
	NII-2A	5260	25.78	19.051	
		5300	23.97	19.043	
		5320	23.03	19.068	
	NII-2C	5500	23.45	19.035	
		5580	26.38	19.115	
		5700	23.42	19.019	
		5720	23.81	19.073	
Mode	Band	Centre Frequency (MHz)	6dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11ax-HE20	NII-III	5745	18.49	19.118	≥ 500kHz
		5785	18.76	19.197	
		5825	18.49	19.097	

Mode	Band	Centre Frequency (MHz)	26dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11ax-HE40	NII-I	5190	43.66	37.850	Reference only
		5230	45.59	37.866	
	NII-2A	5270	43.78	37.809	
		5310	42.94	37.814	
	NII-2C	5510	42.51	37.850	
		5550	44.55	37.921	
		5670	43.24	37.802	
		5710	44.12	37.798	
Mode	Band	Centre Frequency (MHz)	6dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11ax-HE40	NII-III	5755	37.76	37.834	≥ 500kHz
		5795	37.26	37.852	

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Mode	Band	Centre Frequency (MHz)	26dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11ax-HE80	NII-I	5210	82.49	76.719	Reference only
	NII-2A	5290	85.00	76.866	
	NII-2C	5530	81.45	76.723	
		5610	84.07	76.694	
		5690	89.17	77.120	
Mode	Band	Centre Frequency (MHz)	6dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11ax-HE80	NII-III	5775	74.98	76.476	≥ 500kHz

Mode	Band	Centre Frequency (MHz)	26dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11ax-HE160	NII-I	5250	162.4	154.83	Reference only
	NII-2A				
	NII-2C	5570	162.2	155.23	

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Mode	Band	Centre Frequency (MHz)	RU Configuration	26dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11ax-HE20	NII-I	5180	26/0	20.47	18.620	Reference only
			52/37	21.22	18.242	
			106/53	23.22	18.063	
	NII-2A	5320	26/8	20.34	18.562	
			52/40	20.72	18.296	
			106/54	22.55	17.840	
	NII-2C	5500	26/0	20.59	18.495	
			52/37	21.08	18.271	
			106/53	20.97	17.446	
		5700	26/8	20.16	18.334	
			52/40	21.07	18.335	
			106/54	21.59	18.109	
Mode	Band	Centre Frequency (MHz)	RU Configuration	6dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11ax-HE20	NII-III	5745	26/0	2.043	18.341	≥ 500kHz
			52/37	17.06	18.153	
			106/53	17.73	18.137	
	NII-III	5825	26/8	2.105	18.430	
			52/40	17.01	18.252	
			106/54	17.17	18.312	

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Mode	Band	Centre Frequency (MHz)	RU Configuration	26dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11ax-HE40	NII-I	5190	242/61	24.11	18.899	Reference only
	NII-2A	5310	242/62	24.03	18.908	
	NII-2C	5510	242/61	24.11	18.951	
		5670	242/62	23.68	18.977	
Mode	Band	Centre Frequency (MHz)	RU Configuration	6dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11ax-HE40	NII-III	5755	242/61	18.30	18.815	≥ 500kHz
	NII-III	5795	242/62	18.63	18.841	

Mode	Band	Centre Frequency (MHz)	RU Configuration	26dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11ax-HE80	NII-I	5210	484/65	42.65	37.711	Reference only
	NII-2A	5290	484/66	42.84	37.805	
	NII-2C	5530	484/65	42.56	37.733	
		5610	484/66	43.61	37.594	
Mode	Band	Centre Frequency (MHz)	RU Configuration	6dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11ax-HE80	NII-III	5775	484/65	37.53	37.405	≥ 500kHz
			484/66	37.78	37.645	

Mode	Band	Centre Frequency (MHz)	RU Configuration	26dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11ax-HE160	NII-I/ NII-2A	5250	996/67	83.93	77.173	Reference only
			996/S67	83.55	77.367	
	NII-2C	5570	996/67	86.00	77.099	
			996/S67	85.27	77.177	

A.3.2 Measurement Plots

