Audix Technology Corp.
No. 53-11, Dingfu, Linkou, Dist.,
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FCC 15.247 & RSS-247
2.4GHz Test Report

for

LG Electronics Inc.

222, LG-roJinwi-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**
IC	**:**	**2703H-13U70P**

Prepared by: **:** **AUDIX Technology Corporation, EMC Department**

Testing Laboratory
1724

NVLAP LAB CODE 200077-0

The test report is based on a single evaluation of one sample of the above-mentioned products. It does notimply 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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TABLE OF CONTENTS

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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 C
RSS-Gen (Issue 5), April2018
RSS-247 (Issue 2), February 2017
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. 11. 03

Reviewed by: Sabrina Wang (Sabrina Wang/Administrator)

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

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1. REVISION RECORD OF TEST REPORT

Edition No	Issued Date	Revision Summary	Report Number
0	2020. 11. 03	Original Report	EM-F200416

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2. SUMMARY OF TEST RESULTS

Rule		Description	Results
FCC	IC		
15.207	RSS-Gen §8.8	Conducted Emission	**PASS**
15.247(d)/ 15.205	RSS-Gen §8.9 RSS-247 §5.5	Radiated Band Edge and Radiated Spurious Emission	**PASS**
15.247(a)(2)	RSS-247 §5.2(1)	6dB/Occupied Bandwidth	**PASS**
15.247(b)(3)	RSS-247 §5.4(4)	Maximum Peak Output Power	**PASS**
15.247(d)	RSS-247 §5.5	Conducted Band Edges and Conducted Spurious Emission	**PASS**
15.247 (e)	RSS-247 §5.2(2)	Peak Power Spectral Density	**PASS**
15.203	RSS-Gen §8.3	Antenna Requirement	**Compliance**
Note: The uncertainties value is not used in determining the result.			

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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

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3.2. Description of EUT

<table>
<tr><td>Test Model</td><td>13U70P</td></tr>
<tr><td>Serial Number</td><td>N/A</td></tr>
<tr><td>Power Rating</td><td>DC 19V, 3.42A</td></tr>
<tr><td>Hardware Version</td><td>2.1</td></tr>
<tr><td>Software Version</td><td>XY (X, Y can be 0 to 9 for different SW version not influence RF parameter)</td></tr>
<tr><td>RF Features</td><td>WLAN:802.11 a/b/g/n/ac/ax
Bluetooth: BT and BLE (BT 5.0)</td></tr>
<tr><td>Transmit Type</td><td>
<table>
<tr><th colspan="2">2.4 GHz</th></tr>
<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>
</table>
<table>
<tr><th colspan="2">UNII Bands</th></tr>
<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>
</table>
</td></tr>
<tr><td>Test Sample</td><td>
<table>
<tr><th>Sample No.</th><th>Test Item</th><th>Firmware</th></tr>
<tr><td>-01</td><td>AC Conduction, RSE</td><td>N/A</td></tr>
<tr><td>-02</td><td>AC Conduction, RSE, Output Power</td><td>N/A</td></tr>
</table>
</td></tr>
<tr><td>Sample Status</td><td>Mass production</td></tr>
<tr><td>Date of Receipt</td><td>2020. 09. 16</td></tr>
<tr><td>Date of Test</td><td>2020. 09. 28 ~ 11. 03</td></tr>
<tr><td>Interface Ports of EUT</td><td>• 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</td></tr>
<tr><td>Accessories Supplied</td><td>• AC Adapter
• LAN Gender</td></tr>
</table>

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3.3. Reference Test Guidance

None

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

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3.5. EUT Specifications Assessed in Current Report

Mode	Fundamental Range (MHz)	Channel Number	Modulation	Data Rate (Mbps)
802.11b	2412-2472	13	DSSS (DBPSK/DQPSK/CCK)	Up to 11
802.11g		13	OFDM (BPSK/QPSK/16QAM/64QAM)	Up to 54
802.11n-HT20				Up to 144.4
802.11n-HT40	2422-2462	9	OFDM (BPSK/QPSK/16QAM/64QAM)	Up to 300
802.11ax-HE20	2412-2472	13	OFDMA (BPSK/ QPSK/ 16QAM/ 64QAM/ 256QAM/1024QAM)	Up to 287
802.11ax-HE40	2422-2462	9		Up to 574
BLE	2402-2480	40	GFSK (1M, 2M, PHY Coded S8, PHY Coded S2)	Up to 2

Channel List			
802.11 b/g/n-HT20/ax-HE20		802.11n-HT40/ax-HE40	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
1	2412	3	2422
2	2417	4	2427
3	2422	5	2432
4	2427	6	2437
5	2432	7	2442
6	2437	8	2447
7	2442	9	2452
8	2447	10	2457
9	2452	11	2462
10	2457	---	
11	2462		
12	2467		
13	2472		

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Channel List							
BLE							
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
37	2402	09	2422	18	2442	28	2462
00	2404	10	2424	19	2444	29	2464
01	2406	38	2426	20	2446	30	2466
02	2408	11	2428	21	2448	31	2468
03	2410	12	2430	22	2450	32	2470
04	2412	13	2432	23	2452	33	2472
05	2414	14	2434	24	2454	34	2474
06	2416	15	2436	25	2456	35	2476
07	2418	16	2438	26	2458	36	2478
08	2420	17	2440	27	2460	39	2480

RMS Output Power (dBm)						
Channel	802.11b	802.11g	802.11n-HT20	802.11ax-HE20	802.11n-HT40	802.11ax-HE40
1	19.35	16.91	17.13	17.03	---	---
2	19.96	17.94	18.43	18.26		
3	20.01	18.02	18.38	18.28	16.83	16.69
4	19.98	17.99	18.41	18.31	15.78	15.56
5	19.99	17.92	18.43	18.34	15.83	15.64
6	20.1	18.06	18.48	18.35	15.74	15.52
7	20.04	19.74	20.15	20.05	17.63	17.46
8	20.00	18.24	18.68	18.54	17.77	17.58
9	19.98	18.18	18.64	18.52	16.19	15.99
10	20.02	18.21	18.60	18.49	12.49	12.27
11	19.08	17.47	17.74	17.64	4.01	3.63
12	18.18	14.79	14.91	14.80	---	---
13	13.08	1.52	2.58	2.5		

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3.6. Descriptions 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.

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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	TX_{on} (ms)	1/ TX_{on} (kHz)	Duty Cycle (x)	Duty Cycle Factor [10log(1/x)] (dB)
802.11b	8.355	0.120	0.996	N/A
802.11g	2.080	0.481	0.986	N/A
802.11n-HT20	3.980	0.251	0.993	N/A
802.11n-HT40	3.980	0.251	0.993	N/A
802.11ax-HE20	3.960	0.253	0.990	N/A
802.11ax-HE40	3.970	0.252	0.990	N/A

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

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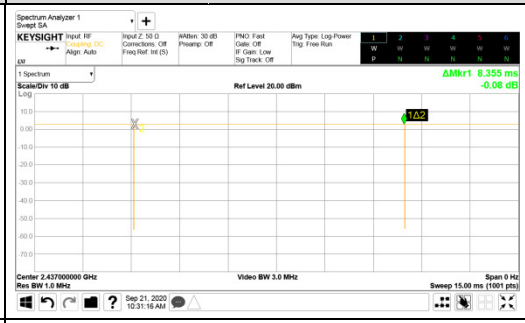
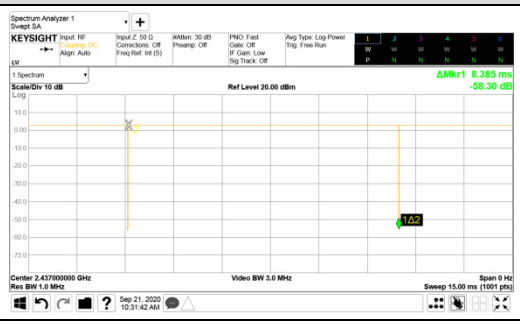
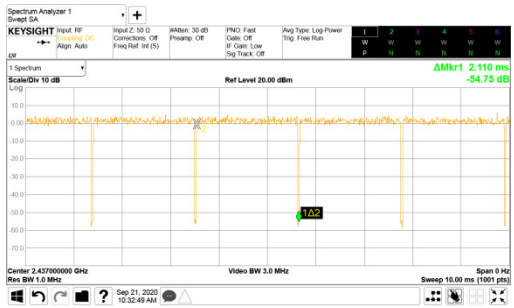
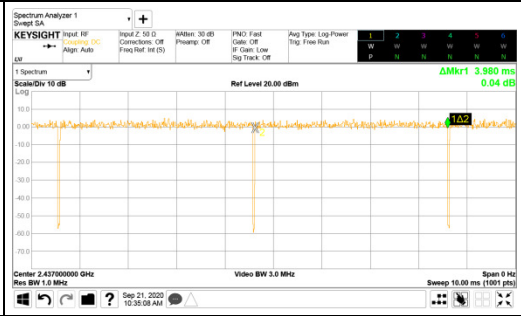
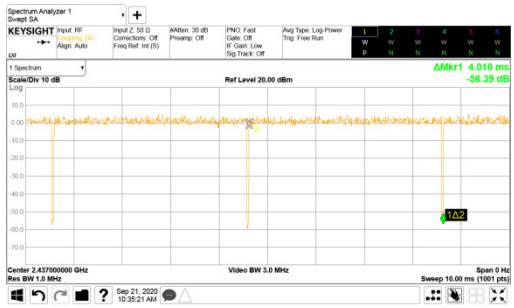
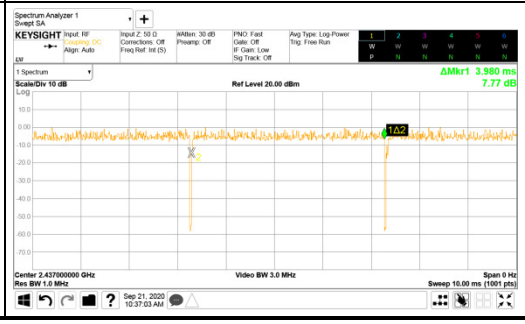
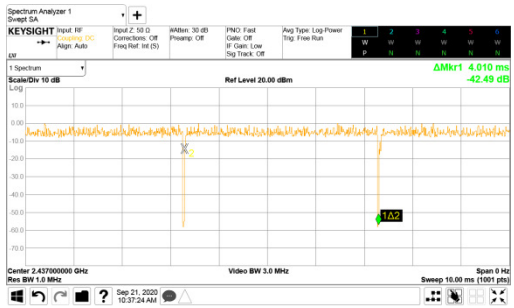
Mode	TX_{on} (ms)	$T_{on}+T_{off}$(ms)
802.11b		
802.11g		
802.11n-HT20		
802.11n-HT40		

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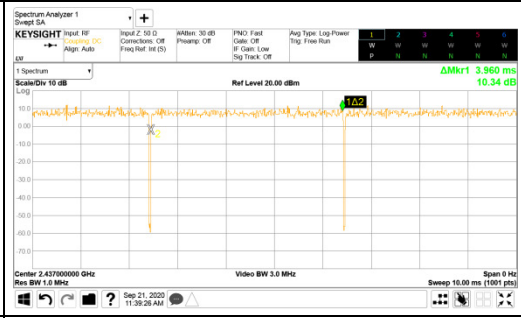
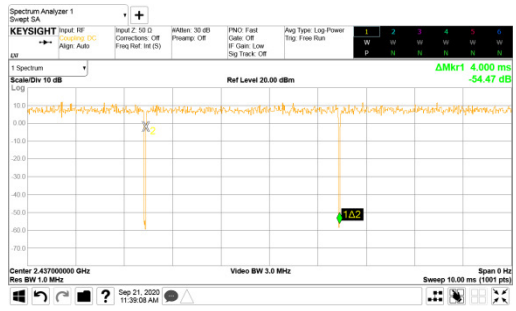
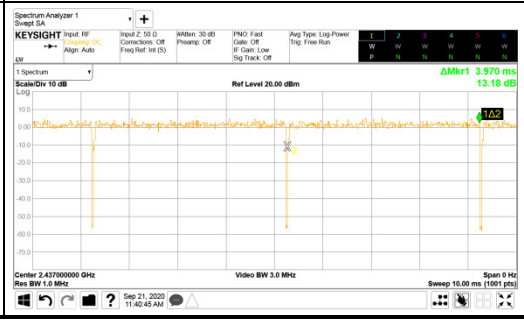
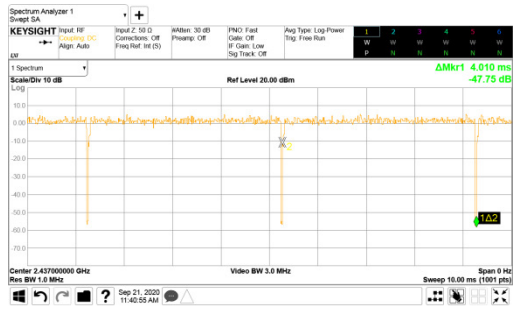
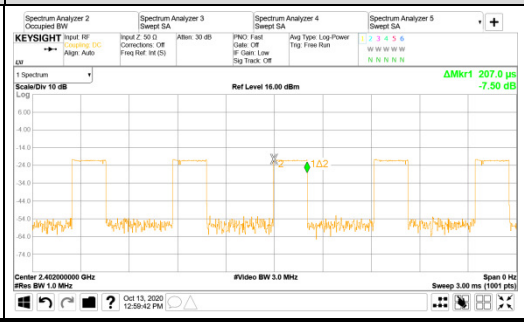
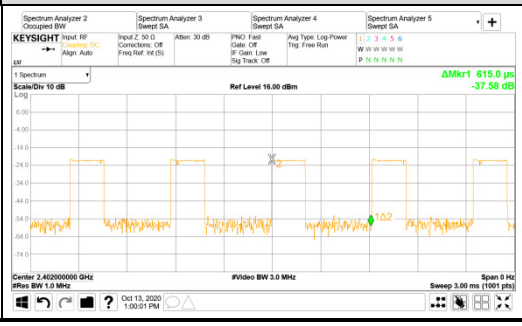
Mode	TX_{on} (ms)	$T_{on}+T_{off}$(ms)
802.11ax-HE20		
802.11ax-HE40		

Mode	TX_{on} (ms)	1/ TX_{on} (kHz)
BLE	0.207	4.831

Mode	TX_{on} (ms)	$T_{on}+T_{off}$(ms)
BLE (2M)		

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AC Conduction	
SKU #1	Normal operation (SKU #1with 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	802.11b	1Mbps	1/11/12/13
			802.11g	6Mbps	1/11/12/13
			802.11n-HT20	MCS8	1/11/12/13
			802.11n-HT40	MCS8	3/9/10/11
			802.11ax-HE20	HE0	1/11/12/13
			802.11ax-HE40	HE0	3/9/10/11
			BLE	1Mbps	37/39
		Radiated Spurious Emission Note1& 2	802.11b	1Mbps	7
			802.11g	6Mbps	7
			802.11n-HT20	MCS8	7
			802.11n-HT40	MCS8	7
			802.11ax-HE20	HE0	7
			802.11ax-HE40	HE0	7
			BLE	1Mbps	37/17/39

Item			Mode	RU Configuration	Test Channel
Radiated Test Case Note3	SKU #2	Radiated Band Edge Note1	802.11ax-HE20	26/0	1
				52/37	
				106/53	
				26/8	13
				52/40	
				106/54	
			802.11ax-HE40	242/61	3
				242/62	11

Item		Mode	Data Rate	Test Channel
Conducted Test Case Note6	6dB/Occupied Bandwidth	802.11b	1Mbps	1/7/11/13
		802.11g	6Mbps	1/7/11/13
		802.11n-HT20	MCS8	1/7/11/13
		802.11n-HT40	MCS8	3/7/9/11
		802.11ax-HE20	HE0	1/7/11/13
		802.11ax-HE40	HE0	3/7/9/11
		BLE	1Mbps	37/17/39
	Peak Output Power	802.11b	1Mbps	1/7/11/13
		802.11g	6Mbps	1/7/11/13
		802.11n-HT20	MCS8	1/7/11/13
		802.11n-HT40	MCS8	3/7/9/11
		802.11ax-HE20	HE0	1/7/11/13
		802.11ax-HE40	HE0	3/7/9/11
		BLE	1Mbps	37/17/39
			2Mbps	37/17/39
			PHY Coded S2	37/17/39
			PHY Coded S8	37/17/39

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Item		Mode	Data Rate	Test Channel
Conducted Test Case Note6	Band Edge	802.11b	1Mbps	1/11/13
		802.11g	6Mbps	1/11/13
		802.11n-HT20	MCS8	1/11/13
		802.11n-HT40	MCS8	3/9/11
		802.11ax-HE20	HE0	1/11/13
		802.11ax-HE40	HE0	3/9/11
		BLE	1Mbps	37/39
	Spurious Emission	802.11b	1Mbps	1/7/11/13
		802.11g	6Mbps	1/7/11/13
		802.11n-HT20	MCS8	1/7/11/13
		802.11n-HT40	MCS8	3/7/9/11
		802.11ax-HE20	HE0	1/7/11/13
		802.11ax-HE40	HE0	3/7/9/11
		BLE	1Mbps	37/17/39
	Peak Power Spectral Density	802.11b	1Mbps	1/7/11/13
		802.11g	6Mbps	1/7/11/13
		802.11n-HT20	MCS8	1/7/11/13
		802.11n-HT40	MCS8	3/7/9/11
		802.11ax-HE20	HE0	1/7/11/13
		802.11ax-HE40	HE0	3/7/9/11
		BLE	1Mbps	37/17/39

Item		Mode	Data Rate	RU Configuration	Test Channel
Conducted Test Case Note6	6dB/Occupied Bandwidth	802.11ax-HE20	HE0	26/0	1
				52/37	
				106/53	
			HE0	26/8	13
				52/40	
				106/54	
		802.11ax-HE40	HE0	242/61	3
			HE0	242/62	11
	Peak Output Power	802.11ax-HE20	HE0	26/0	1
				52/37	
				106/53	
			HE0	26/8	13
				52/40	
				106/5	
		802.11ax-HE40	HE0	242/61	3
			HE0	242/62	11
	Peak Power Spectral Density	802.11ax-HE20	HE0	26/0	1
				52/37	
				106/53	
			HE0	26/8	13
				52/40	
				106/54	
		802.11ax-HE40	HE0	242/61	3
			HE0	242/62	11

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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.

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3.8. Output Power Setting

Mode	Centre Frequency (MHz)	Power Setting		Mode	Centre Frequency (MHz)	Power Setting	
		Chain 0 (AUX)	Chain 1 (Main)			Chain 0 (AUX)	Chain 1 (Main)
802.11b	2412	19.750	19.250	802.11g	2412	16.750	16.750
	2442	21.000	20.750		2417	20.875	20.625
	2462	19.000	19.250		2442	15.000	14.750
	2467	17.500	16.500		2457	13.000	13.000
	2472	16.625	14.000		2462	11.125	10.875

Mode	Centre Frequency (MHz)	Power Setting		Mode	Centre Frequency (MHz)	Power Setting	
		Chain 0 (AUX)	Chain 1 (Main)			Chain 0 (AUX)	Chain 1 (Main)
802.11n-HT20	2412	15.500	15.500	802.11n-HT40	2422	14.750	13.125
	2442	19.125	19.250		2442	14.875	14.000
	2462	14.125	14.125		2452	14.375	14.500
	2467	11.750	11.750		2457	7.250	7.375
	2472	7.750	6.750		2462	9.500	9.500

Mode	Centre Frequency (MHz)	Power Setting		Mode	Centre Frequency (MHz)	Power Setting	
		Chain 0 (AUX)	Chain 1 (Main)			Chain 0 (AUX)	Chain 1 (Main)
802.11ax-HE20	2412	15.875	16.000	802.11ax-HE40	2422	16.000	13.625
	2442	16.000	17.000		2442	15.125	14.750
	2462	14.000	14.500		2452	14.500	14.500
	2467	11.375	10.250		2457	6.875	7.125
	2472	7.375	8.000		2462	9.375	12.500

Mode	Centre Frequency (MHz)	RU Configuration	Power Setting	
			Chain 0 (AUX)	Chain 1 (Main)
802.11ax-HE20	2412	26/0	17.750	17.625
		52/37	16.625	16.750
		106/53	16.000	15.875
	2472	26/8	0.625	1.375
		52/40	2.750	3.250
		106/54	5.625	6.000
802.11ax-HE40	2422	242/61	16.000	14.500
	2462	242/62	7.875	7.125

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Mode	Centre Frequency (MHz)	Power Setting			
		1M	2M	PHY Coded S2	PHY Coded S8
BLE	2402	5	5	5	5
	2440	5	5	5	5
	2480	5	5	5	5

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

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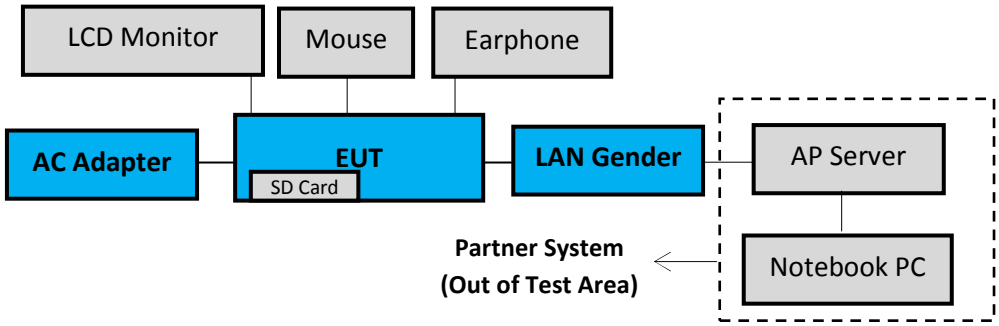
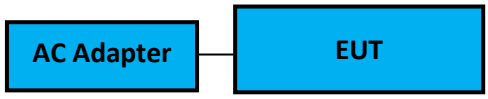
3.10.Setup Configuration

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 BT or 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

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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 Item	Uncertainty
6dB Bandwidth	± 0.05kHz
Maximum peak output power	± 0.33dB
Power spectral density	± 0.13dB
Conducted Emission Limitations	± 0.13dB

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4. MEASUREMENT EQUIPMENTLIST

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.	2.4GHz Notch Filter	K&L	7NSL10-2441.5/E 130.5-O/O	1	2020.07.24	1 Year
14.	3GHz Notch Filter	Microwave	H3G018G1	484796	2020.08.20	1 Year
15.	Coaxial Cable	MIYAZAKI	5D2W	RE-11	2020.01.31	1 Year
16.	Coaxial Cable	HUBER+SUHNER	SUCOFLEX 106	RE-14	2020.01.31	1 Year
17.	Coaxial Cable	HUBER+SUHNER	SUCOFLEX 104	RE-29	2020.09.19	1 Year
18.	Coaxial Cable	HUBER+SUHNER	SUCOFLEX 102	RE-30	2020.09.19	1 Year
19.	Digital Thermo-Hygro Meter	iMax	HTC-1	No.1 3m A/C	2020.04.17	1 Year
20.	Digital Thermo-Hygro Meter	EVERY DAY	E-512	RF-02	2020.04.17	1 Year
21.	Test Software	Audix	e3	V6.120619c	N.C.R.	N.C.R.
22.	Test Software	Audix	e3	V6.110601	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

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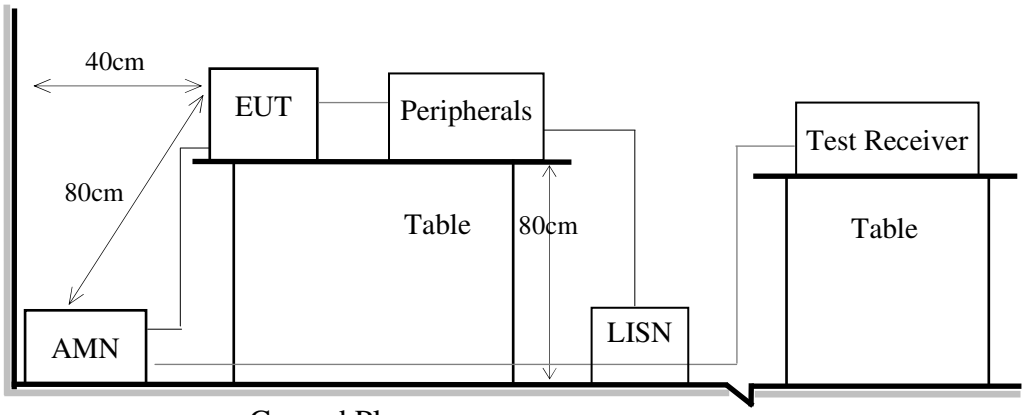
5. CONDUCTED EMISSION

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 dBμV	56 ~ 46 dBμV
500kHz ~ 5MHz	56 dBμV	46 dBμV
5MHz ~ 30MHz	60 dBμV	50 dBμV

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.

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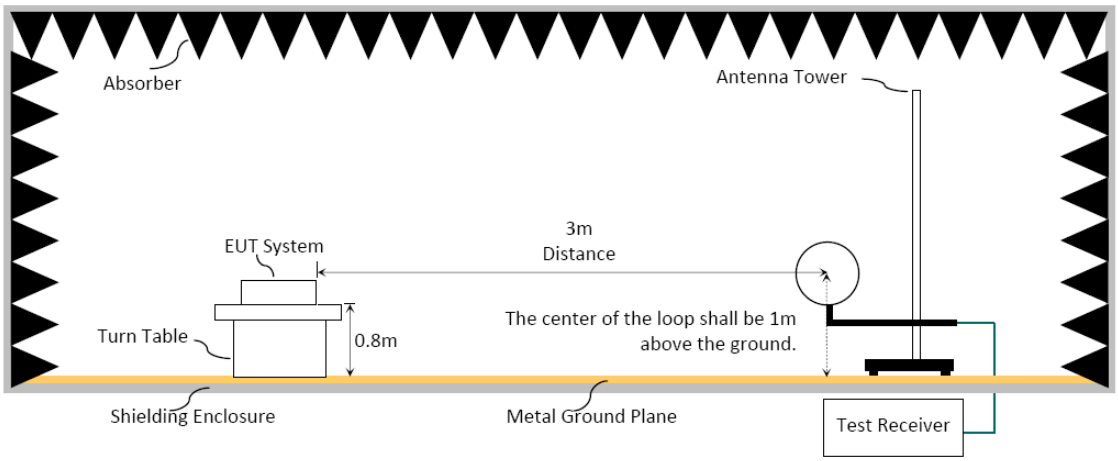
6. RADIATED EMISSION

6.1. Block Diagram of Test Setup

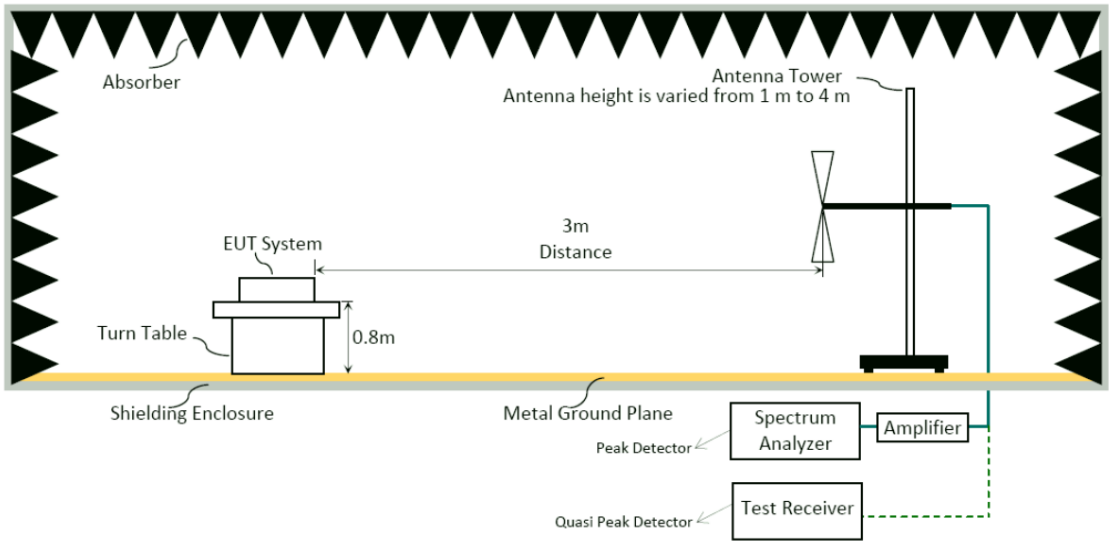
6.1.1. Block Diagram of EUT

Indicated as section 3.9

6.1.2. Setup Diagram for 9kHz-30MHz



6.1.3. Setup Diagram for 30-1000MHz



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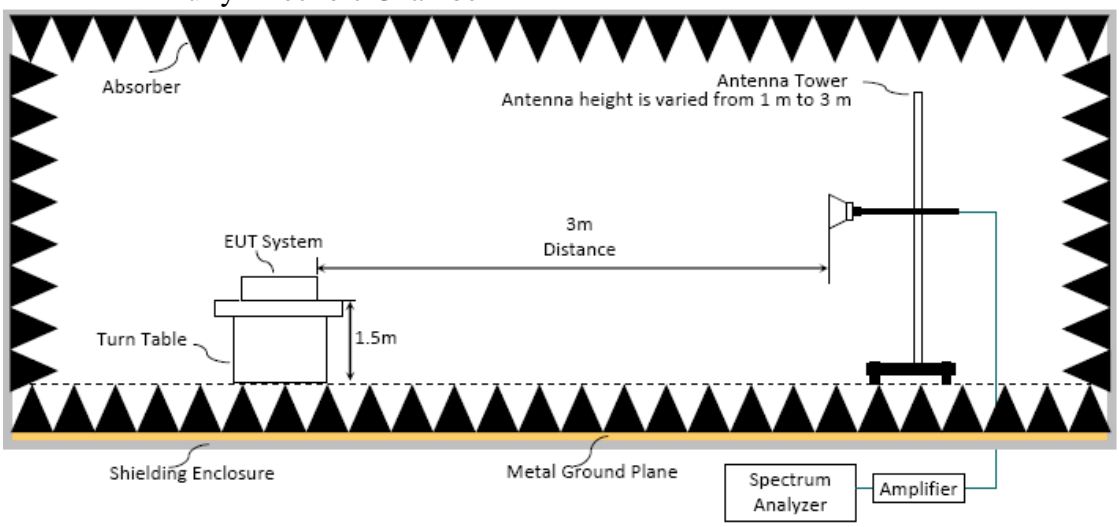
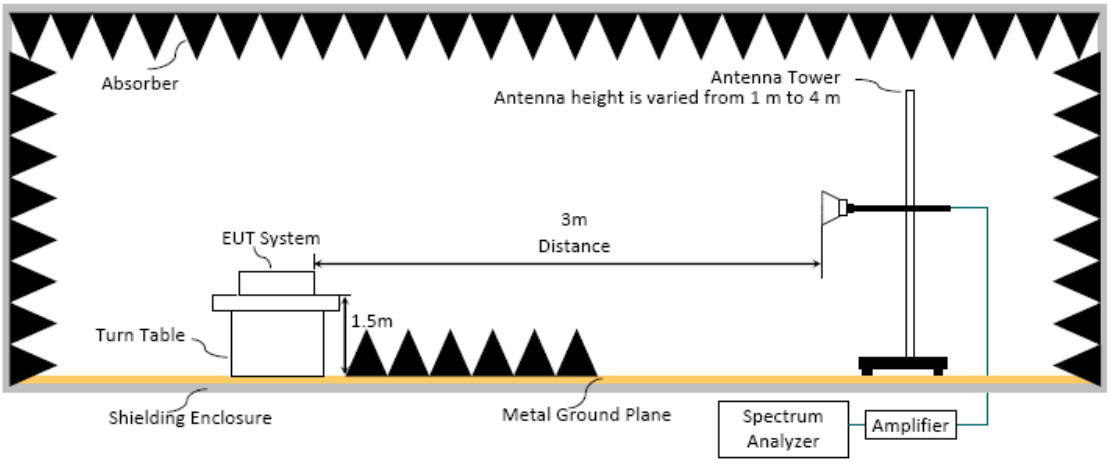
6.1.4. Setup Diagram for above 1GHz

Fully Anechoic Chamber



Semi Anechoic Chamber



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6.2. Radiated Emission Limits

In any 100kHz bandwidth outside the frequency band, the radio frequency power produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level. In addition, radiated emissions which fall in restricted bands, as defined in Section 15.205/RSS-Gen Section 8.10 table 6, must also comply with the radiated emission limits specified as below.

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

Remark：(1) dBμV/m = 20 log (μV/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.

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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 C63.10-2013regulation.

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

(2) Detector: average and peak (9kHz-490kHz)
Q.P. (490kHz-30MHz)

Frequency Range 30MHz ~ 25GHz:
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 C63.10-2013regulation.

Frequency below 1GHz:
Spectrum Analyzer is used for pre-testing with following setting:

(1)RBW = 120KHz

(2)VBW ≥ 3 x 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 theQ.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 25 GHz):
Peak Detector:

(1)RBW = 1MHz

(2)VBW ≥ 3 x 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.

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Average Detector:

■**Option 1:**

(1)RBW = 1MHz

(2)VBW ≥ 1/ T.

Modulation Type	TX_{on} (ms)	1/ TX_{on} (kHz)	VBW Setting(Hz)
BLE	0.207	4.831	4.7kHz
802.11b	8.355	0.120	10Hz
802.11g	2.080	0.481	10Hz
802.11n-HT20	3.980	0.251	10Hz
802.11n-HT40	3.980	0.251	10Hz
802.11ax-HE20	3.960	0.253	10Hz
802.11ax-HE40	3.970	0.252	10Hz

N/A: 1/ T is not implemented when duty cycle presented in section 3.6 is ≥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 l=Antenna Factor + Cable Loss + Meter Reading (including Preamp factor if test used)

☐ Average Emission Level= Peak Emission Level+ DCCF

Duty Cycle Correction Factor (DCCF)= 20log(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.

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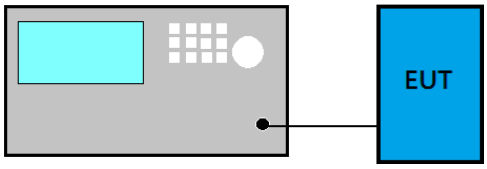
7. 6dB/OCCUPIED BANDWIDTH

7.1. Block Diagram of Test Setup



7.2. Specification Limits

The minimum 6dB bandwidth shall be at least 500kHz.

7.3. Test Procedure

Following measurement procedure is reference to ANSI C63.10:2013:

For 6dB Bandwidth

(1) Set RBW = 100 kHz.
(2) Set the video bandwidth (VBW) ≥ 3 × 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 to -6dB power to record the final bandwidth..

For 99% Occupied Bandwidth

(1) Set Span range 1.5~5 times the OBW
(2) Set RBW close to1% to 5% of OBW.
(3) Set VBW≥3xRBW.
(4) Detector = Peak.
(5) Trace mode = Max hold
(6) Sweep = Auto couple.
(7) Allow the trace to stabilize.

7.4. Test Results

Please refer to Appendix A

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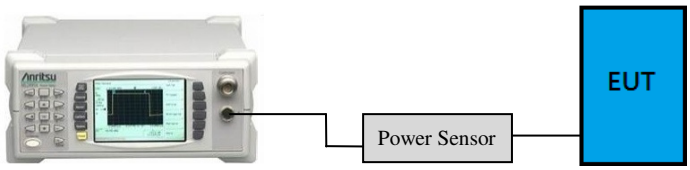
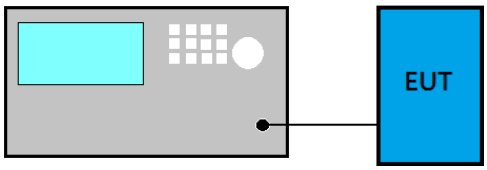
8. MAXIMUM PEAK OUTPUT POWER

8.1. Block Diagram of Test Setup

- For WLAN Function



- For BLE Function



8.2. Specification Limits

The Limits of maximum Peak Output Power for digital modulation in 2400-2483.5MHzis : 1Watt. (30dBm), and E.I.R.P.: 4Watt (36dBm)

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8.3. Test Procedure

Following measurement procedure is reference to ANSI C63.10:2013:

■PKPM1 Peak power meter method:

EUT is connected to power sensor and record the maximum output power.

■Maximum peak conducted output power method:

(1) Set the RBW ≥ DTS bandwidth
(2) Set VBW ≥ 3 × RBW
(3) Set span ≥ 3 × RBW.
(4) Sweep time = auto couple
(5) Detector = peak.
(6) Trace mode = max hold.
(7) Allow trace to fully stabilize.
(8) Use peak marker function to determine the peak amplitude level.

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

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

□Method AVGSA-2 (Spectrum channel power)

(1) Set span to at least 1.5 times the OBW
(2) Set RBW = 1 -5%of OBW
(3) Set the video bandwidth (VBW) ≥ 3 × RBW.
(4) Detector = RMS.
(5) Trace mode = trace average at least 100 traces
(6) Sweep = auto couple.
(7) 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

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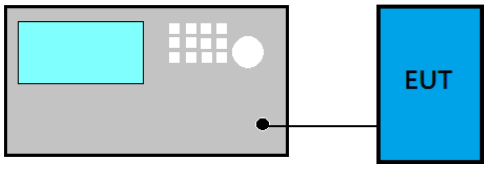
9. EMISSION LIMITATIONS

9.1. Block Diagram of Test Setup



9.2. Specification Limits

In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, that the required attenuation shall be 30 dB instead of 20 dB.

Attenuation below the general limits specified in Section 15.209(a)/RSS-Gen Section 8.9 table 4is not required. In addition, radiated emissions which fall in restricted bands, asdefined in Section 15.205(a)/RSS-Gen Section 8.10 table 6, must also comply with the radiated emission limits specified in Section 15.209(a)/RSS-Gen Section 8.9 table 4 (See Section 15.205(c)).

9.3. Test Procedure

Following measurement procedure is reference to ANSI C63.10:2013:

■Reference Level

(1) Set analyzer center frequency to DTS channel center frequency.
(2) Set the span to 1.5 times the DTS bandwidth.
(3) Set the RBW to: 100 kHz.
(4) Set the VBW ≥ 3 × RBW.
(5) Detector = peak.
(6) Sweep time = auto couple.
(7) Trace mode = max hold.
(8) Allow trace to fully stabilize to find the max PSD as reference level.

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■Emission Level Measurement

(1) Set analyzer center frequency to DTS channel center frequency.
(2) Set the span to 1.5 times the DTS bandwidth.
(3) Set the RBW to: 100 kHz.
(4) Set the VBW ≥ 3 × RBW.
(5) Detector = peak.
(6) Sweep time = auto couple.
(7) Trace mode = max hold.
(8) Allow trace to fully stabilize to find the max level.

9.4. Test Results

Please refer to Appendix A

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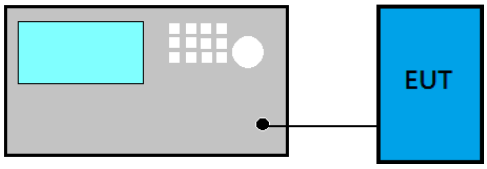
10. POWER SPECTRAL DENSITY

10.1. Block Diagram of Test Setup



10.2. Specification Limits

The peak power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band.

10.3. Test Procedure

Following measurement procedure is reference to ANSI C63.10:2013:

■Method PKPSD (peak PSD)

(1) Set analyzer center frequency to DTS channel center frequency.
(2) Set the span to 1.5 times the DTS bandwidth.
(3) Set the RBW to: 3 kHz ≤ RBW ≤ 100 kHz.
(4) Set the VBW ≥ 3 × RBW.
(5) Detector = peak.
(6) Sweep time = auto couple.
(7) Trace mode = max hold.
(8) Allow trace to fully stabilize.
(9) Use the peak marker function to determine the maximum amplitude level.
(10) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

□Method AVGPSD-2

(1) Using peak PSD procedure step 1 to step 4.
(2) Detector= RMS detector
(3) Sweep time = auto couple
(4) Trace mode = trace averaging over a minimum of 100 traces
(5) Use the peak marker function to determine the maximum amplitude level.
(6) Duty cycle factor is added when duty cycle presented in section 3.7< 98%.
(7) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

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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TABLE OF CONTENTS

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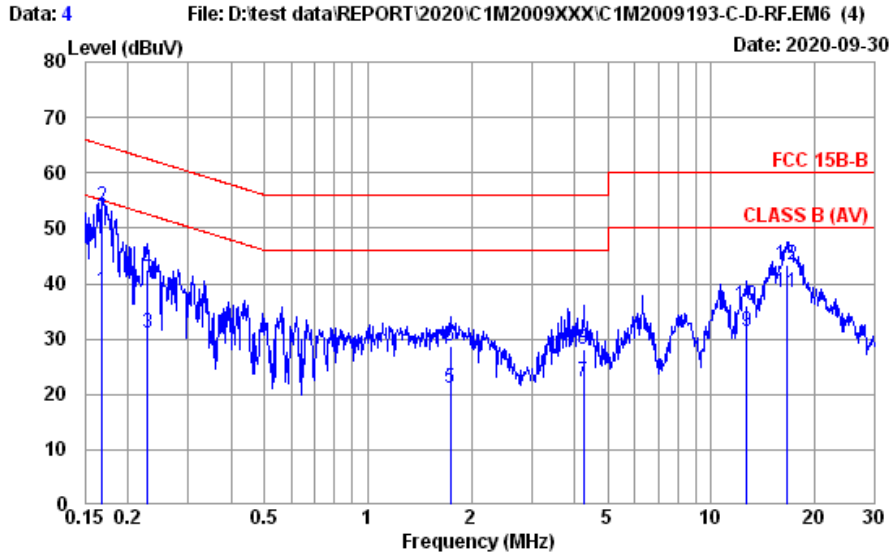
A.1 CONDUCTED EMISSION

Test Date	2020/09/30	Temp./Hum.	25℃/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 : ENV432 (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)	AMN 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= AMN Factor + Cable Loss + Pulse Att. + Reading.

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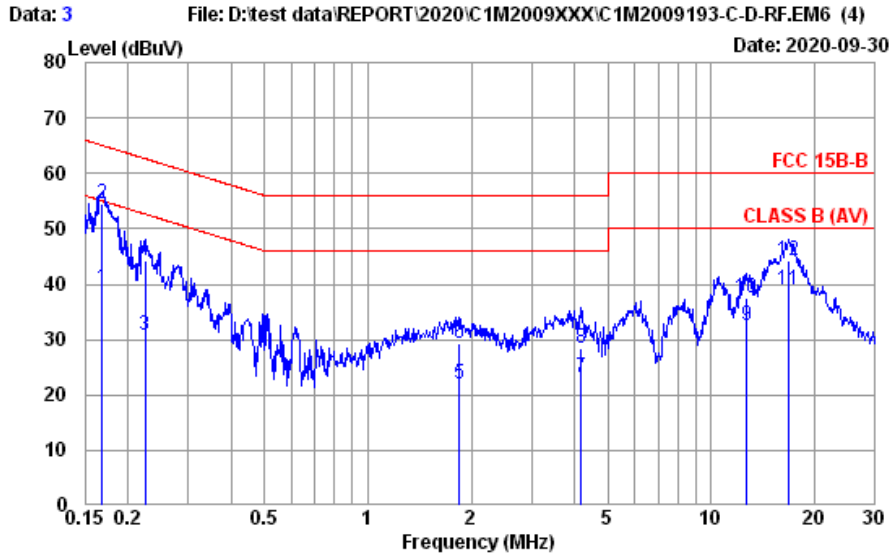
Test Date	2020/09/30	Temp./Hum.	25℃/62%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung
Test SKU	SKU #1 with AWAN Antenna		



Site No. : No.8 Shielded Room Data No. : 3
Instrument 1 : Receiver ESR(774)
Instrument 2 : ENV432 (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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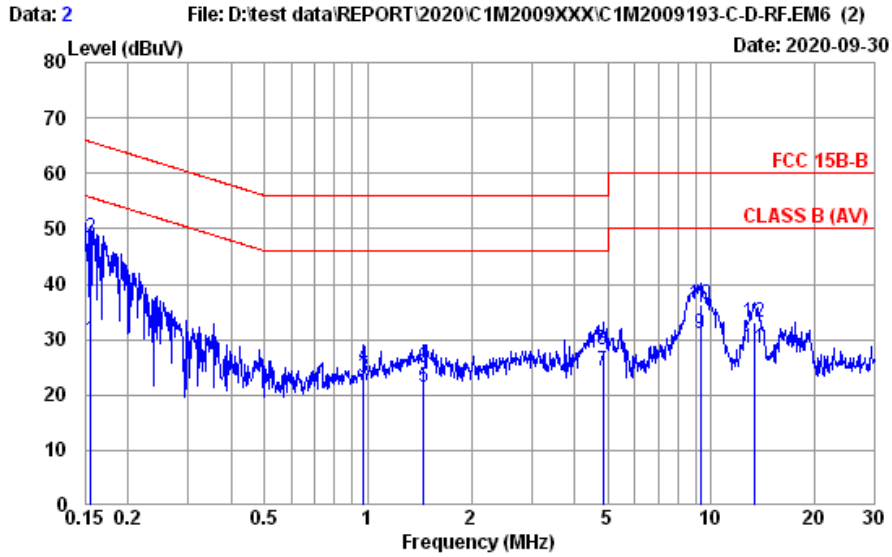
Test Date	2020/09/30	Temp./Hum.	25℃/62%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung
Test SKU	SKU #2 with Speed Antenna		



Site No. : No.8 Shielded Room Data No. : 2
Instrument 1 : Receiver ESR(774)
Instrument 2 : ENV432 (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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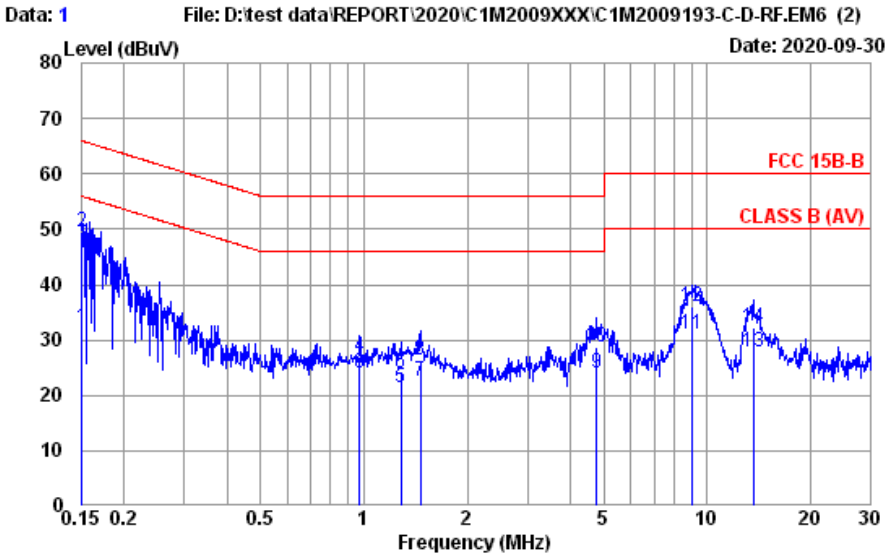
Test Date	2020/09/30	Temp./Hum.	25℃/62%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung
Test SKU	SKU #2 with Speed Antenna		



Site No. : No.8 Shielded Room Data No. : 1
Instrument 1 : Receiver ESR(774)
Instrument 2 : ENV432 (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)	AMN 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= AMN Factor + Cable Loss + Pulse Att. + Reading.

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A.2 RADIATED EMISSION

Test Date	2020/10/06	Temp./Hum.	22℃/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.

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A.2.1.2 Frequency Below 1GHz

Mode	802.11n-HT20	Frequency	TX 2442MHz

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
128.940	18.41	2.80	26.15	33.53	28.59	43.50	14.91	Peak
170.650	15.62	3.26	25.97	40.78	33.69	43.50	9.81	Peak
378.230	21.35	5.71	26.39	30.04	30.71	46.00	15.29	Peak
540.220	24.04	6.97	27.33	32.07	35.75	46.00	10.25	Peak
662.440	24.92	7.40	27.49	29.82	34.65	46.00	11.35	Peak
831.220	26.33	8.31	27.32	28.91	36.23	46.00	9.77	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
50.370	14.52	1.65	26.50	46.53	36.20	40.00	3.80	Peak
128.940	18.41	2.80	26.15	37.80	32.86	43.50	10.64	Peak
165.800	16.00	3.22	25.99	41.92	35.15	43.50	8.35	Peak
432.550	22.42	6.32	26.78	29.15	31.11	46.00	14.89	Peak
540.220	24.04	6.97	27.33	32.23	35.91	46.00	10.09	Peak
731.310	25.36	7.78	27.47	29.96	35.63	46.00	10.37	Peak

Mode	BLE (2M)	Frequency	TX 2402MHz

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
128.940	18.41	2.80	26.15	33.76	28.82	43.50	14.68	Peak
168.710	15.76	3.24	25.98	39.84	32.86	43.50	10.64	Peak
365.620	21.03	5.52	26.28	29.81	30.08	46.00	15.92	Peak
540.220	24.04	6.97	27.33	31.69	35.37	46.00	10.63	Peak
772.050	25.81	7.99	27.44	29.28	35.64	46.00	10.36	Peak
863.230	26.57	8.50	27.24	28.82	36.65	46.00	9.35	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
54.250	13.69	1.72	26.48	46.02	34.95	40.00	5.05	Peak
128.940	18.41	2.80	26.15	37.39	32.45	43.50	11.05	Peak
166.770	15.95	3.23	25.99	41.66	34.85	43.50	8.65	Peak
490.750	23.35	6.84	27.16	29.02	32.05	46.00	13.95	Peak
540.220	24.04	6.97	27.33	31.92	35.60	46.00	10.40	Peak
828.310	26.31	8.30	27.34	28.90	36.17	46.00	9.83	Peak

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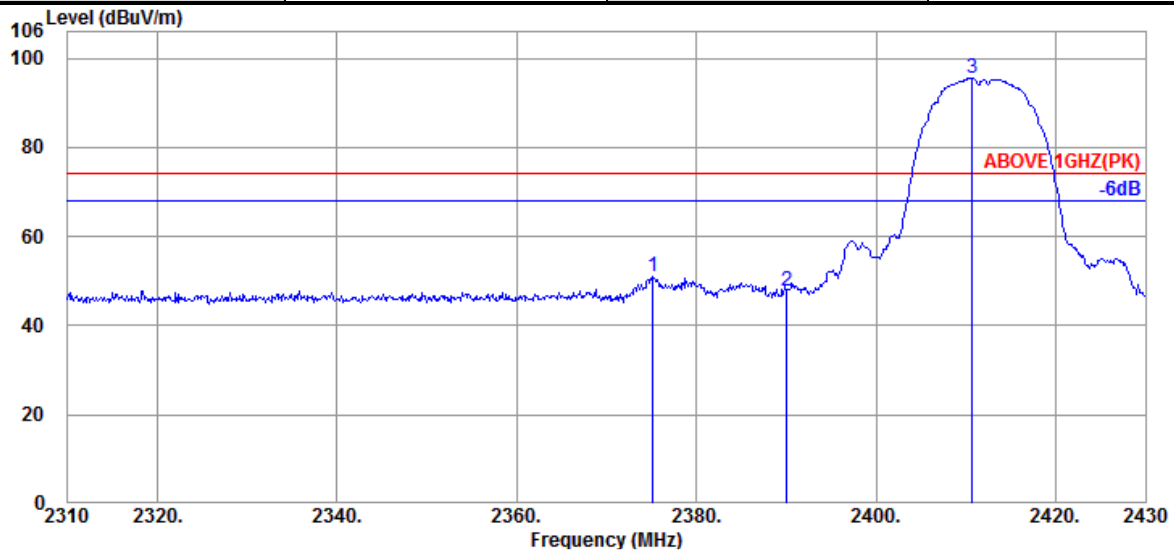
A.2.1.3 Frequency Above 1 GHz to 10th harmonics

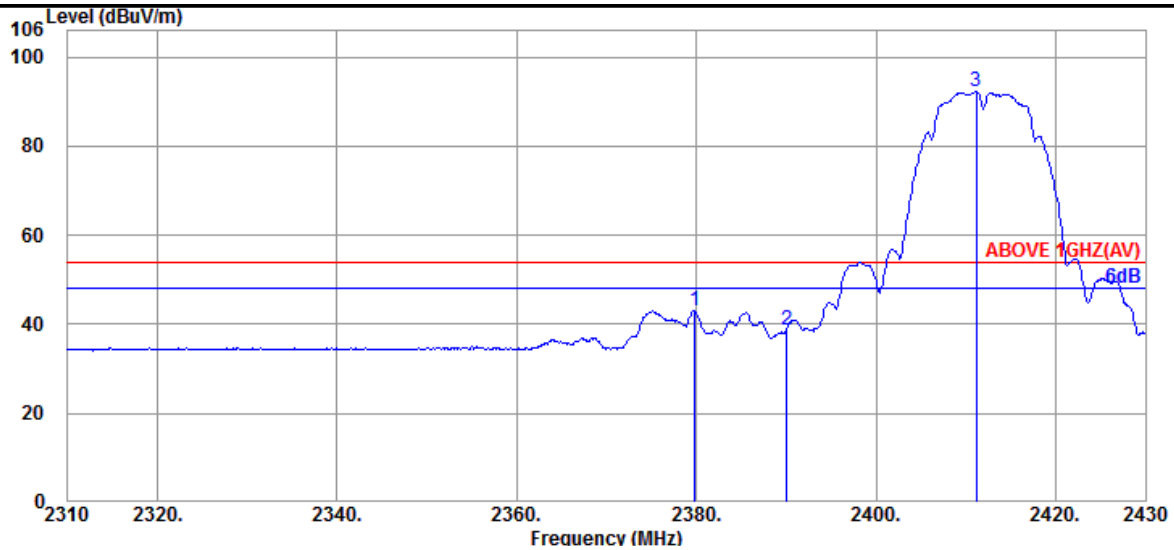
Band Edge:

Mode	802.11b	Frequency	TX 2412MHz



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
	2375.160	32.39	8.51	34.58	44.81	51.13	74.00	22.87	Peak
	2390.040	32.44	8.52	34.58	41.23	47.61	74.00	26.39	Peak
@	2410.680	32.43	8.53	34.59	89.07	95.44	---	---	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
	2379.840	32.41	8.51	34.58	36.75	43.09	54.00	10.91	Average
	2390.040	32.44	8.52	34.58	32.35	38.73	54.00	15.27	Average
@	2411.160	32.43	8.53	34.59	85.93	92.30	---	---	Average

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

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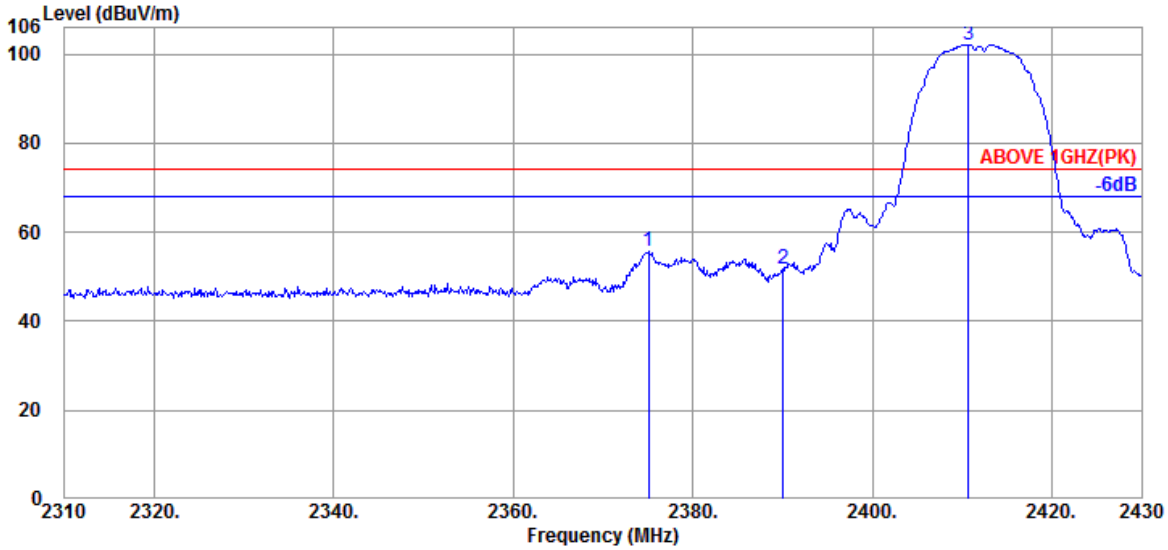
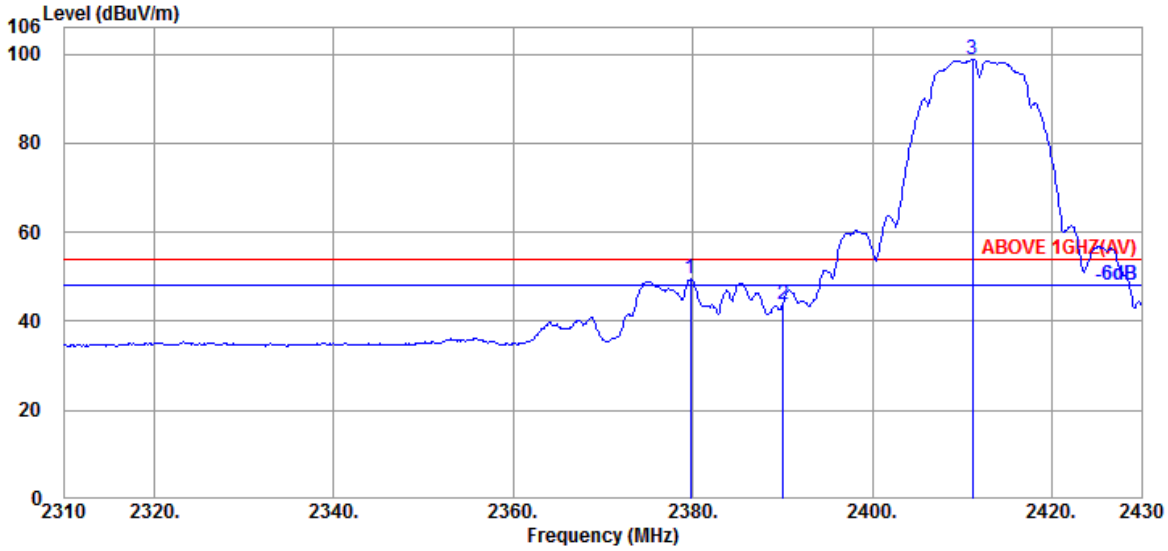
Mode	802.11b	Frequency	TX 2412MHz



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
	2375.040	32.39	8.51	34.58	49.42	55.74	74.00	18.26	Peak
	2390.040	32.44	8.52	34.58	45.46	51.84	74.00	22.16	Peak
@	2410.680	32.43	8.53	34.59	95.76	102.13	---	---	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
	2379.720	32.41	8.51	34.58	43.17	49.51	54.00	4.49	Average
	2390.040	32.44	8.52	34.58	37.31	43.69	54.00	10.31	Average
@	2411.160	32.43	8.53	34.59	92.44	98.81	---	---	Average

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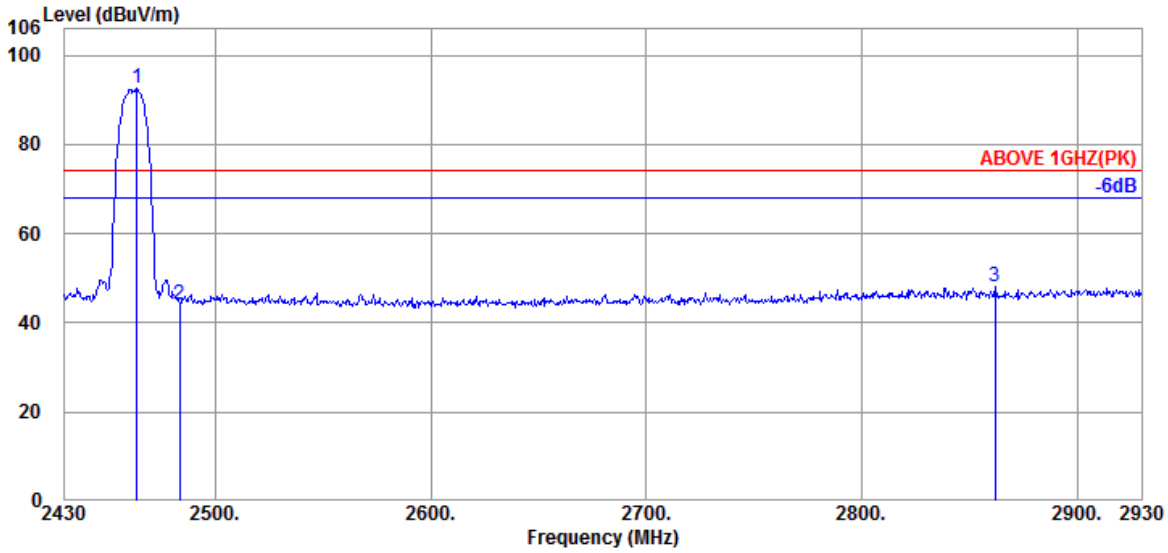
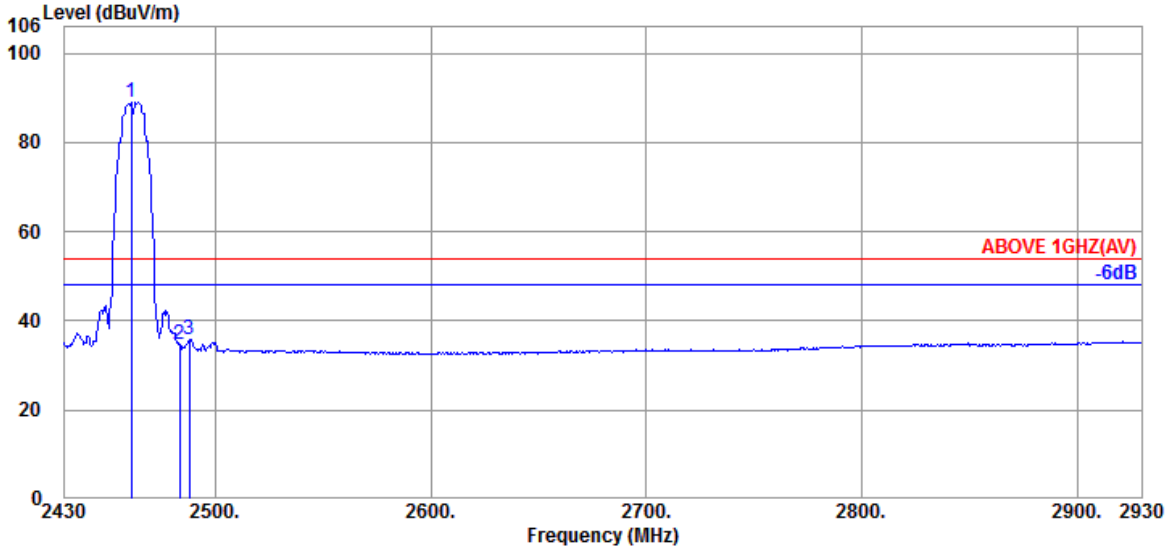
Mode	802.11b	Frequency	TX 2462MHz



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
@	2463.500	32.06	8.57	34.60	86.42	92.45	---	---	Peak
	2483.500	32.14	8.58	34.61	38.15	44.26	74.00	29.74	Peak
	2862.000	33.00	8.68	34.68	41.02	48.02	74.00	25.98	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
@	2461.000	32.06	8.57	34.60	82.95	88.98	---	---	Average
	2483.500	32.14	8.58	34.61	28.47	34.58	54.00	19.42	Average
	2488.000	32.14	8.59	34.61	29.87	35.99	54.00	18.01	Average

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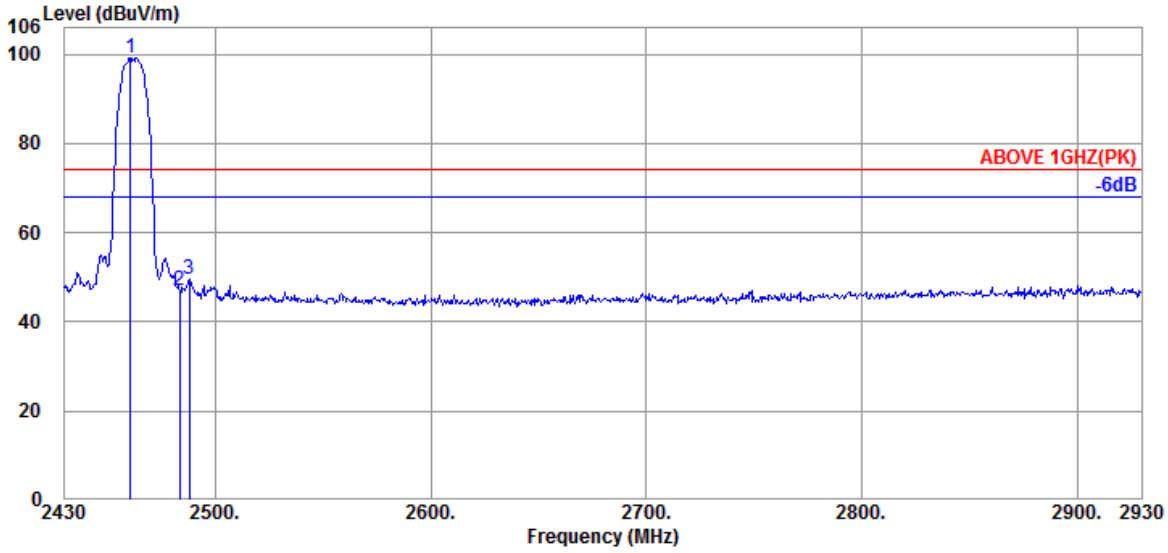
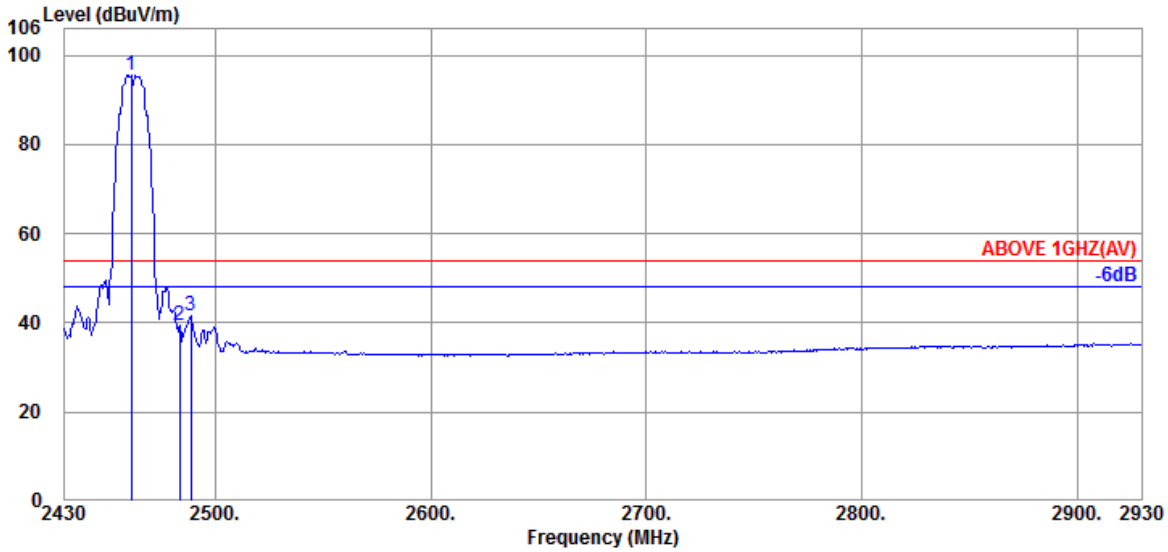
Mode	802.11b	Frequency	TX 2462MHz



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
@	2460.500	32.06	8.57	34.60	93.07	99.10	---	---	Peak
	2483.500	32.14	8.58	34.61	40.92	47.03	74.00	26.97	Peak
	2488.000	32.14	8.59	34.61	43.45	49.57	74.00	24.43	Peak



Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Detector
@	2461.000	32.06	8.57	34.60	89.62	95.65	---	---	Average
	2483.500	32.14	8.58	34.61	33.16	39.27	54.00	14.73	Average
	2488.500	32.14	8.59	34.61	35.38	41.50	54.00	12.50	Average

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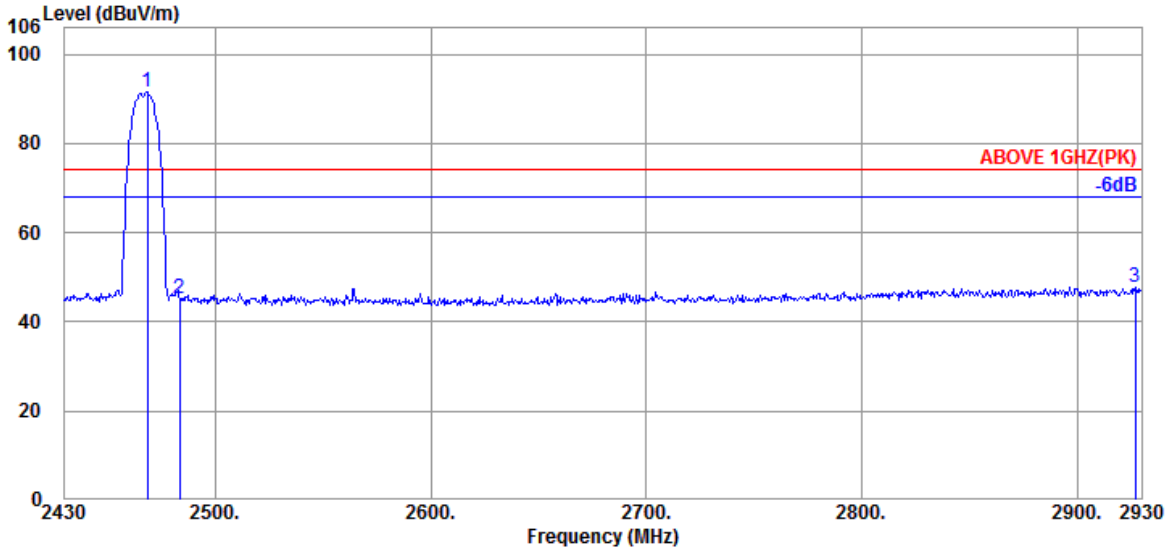
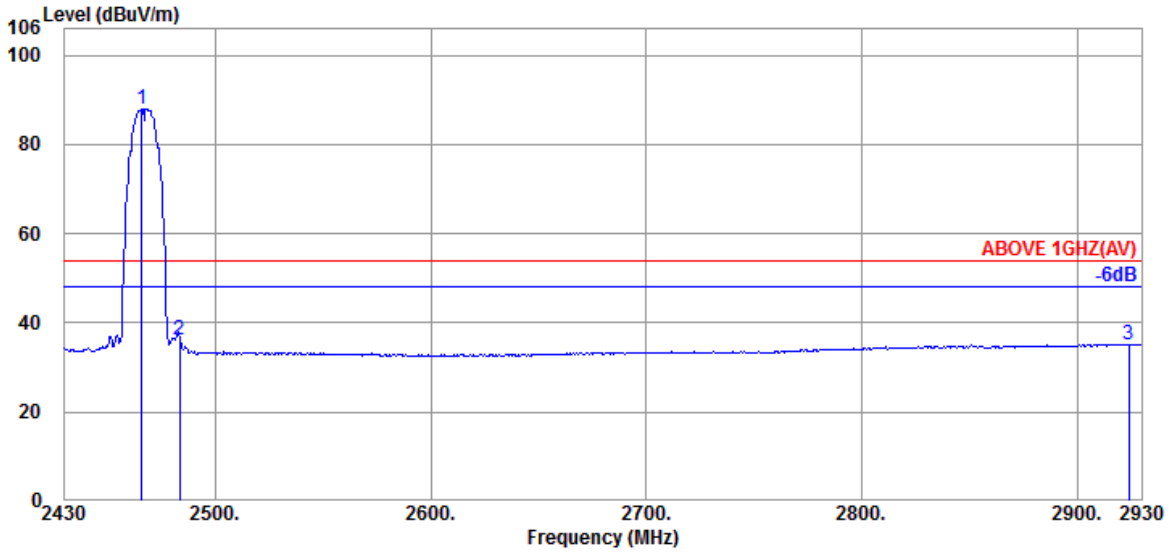
Mode	802.11b	Frequency	TX 2467MHz



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
@	2468.500	32.09	8.57	34.60	85.40	91.46	---	---	Peak
	2483.500	32.14	8.58	34.61	39.20	45.31	74.00	28.69	Peak
	2927.000	32.93	8.69	34.69	40.85	47.78	74.00	26.22	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
@	2466.000	32.06	8.57	34.60	82.05	88.08	---	---	Average
	2483.500	32.14	8.58	34.61	30.23	36.34	54.00	17.66	Average
	2924.000	32.90	8.69	34.69	28.34	35.24	54.00	18.76	Average

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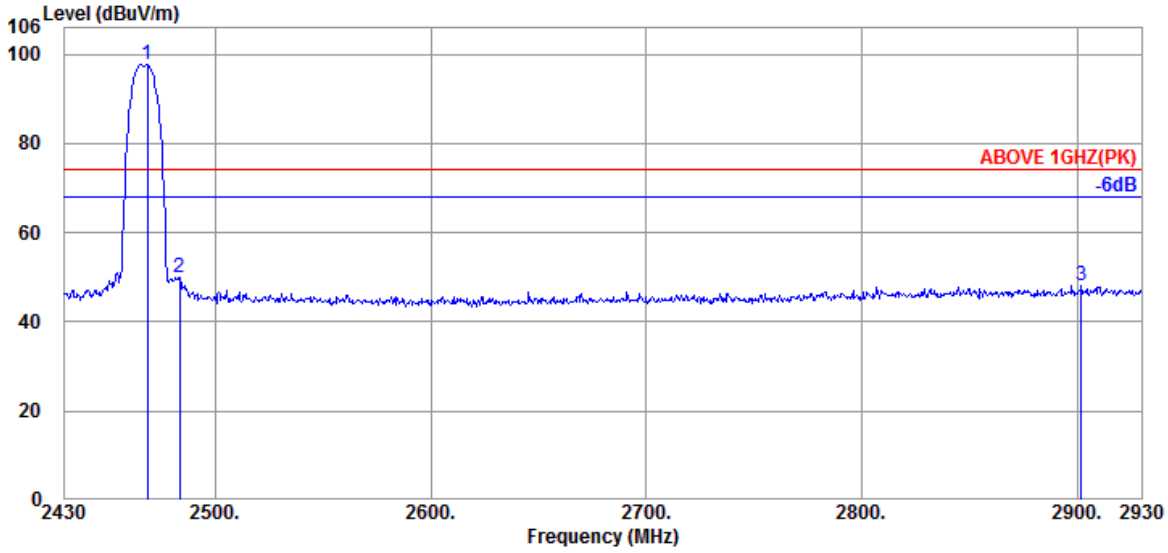
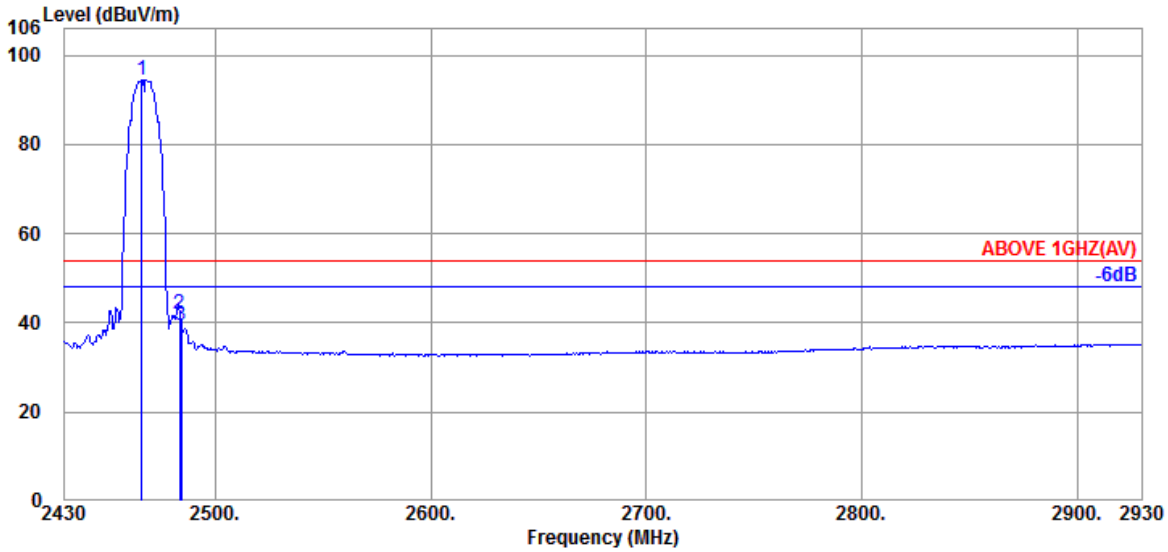
Mode	802.11b	Frequency	TX 2467MHz



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
@	2468.500	32.09	8.57	34.60	91.79	97.85	---	---	Peak
	2483.500	32.14	8.58	34.61	43.67	49.78	74.00	24.22	Peak
	2902.000	32.83	8.69	34.68	41.38	48.22	74.00	25.78	Peak



Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Detector
@	2466.000	32.06	8.57	34.60	88.37	94.40	---	---	Average
	2483.500	32.14	8.58	34.61	35.73	41.84	54.00	12.16	Average
	2484.000	32.14	8.58	34.61	33.36	39.47	54.00	14.53	Average

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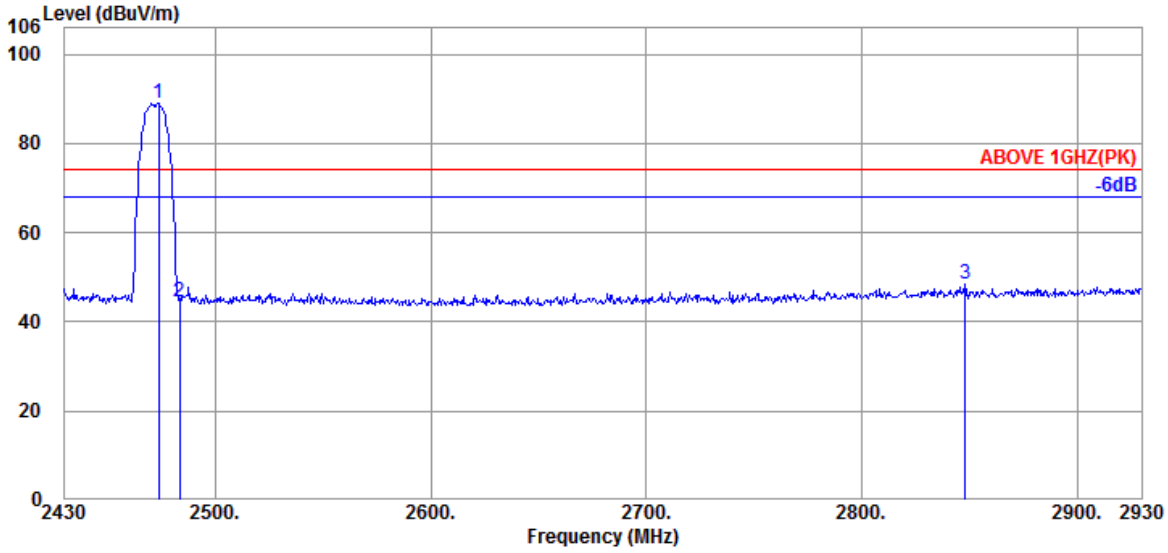
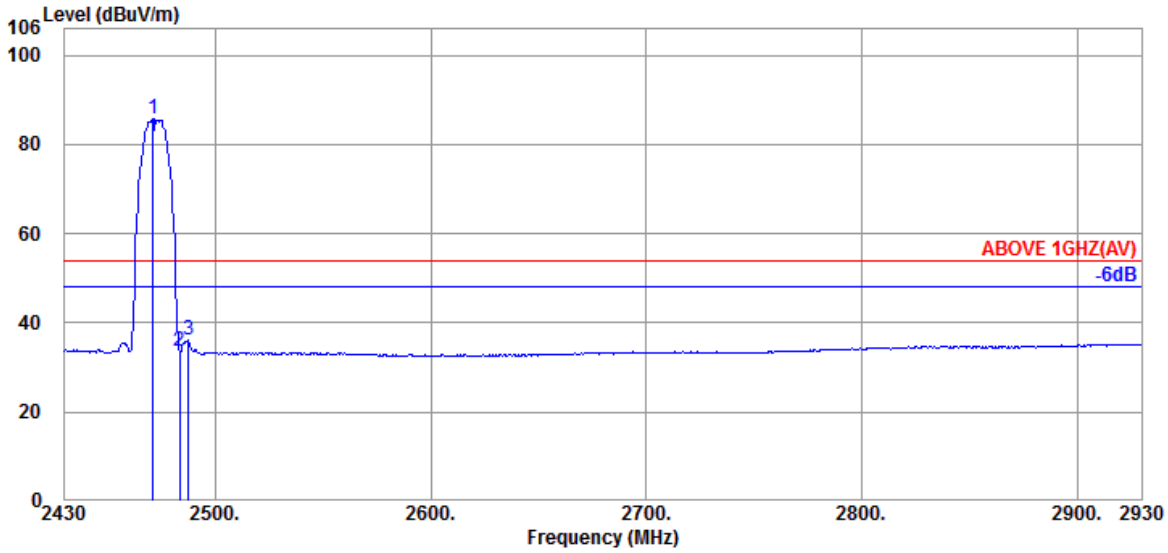
Mode	802.11b	Frequency	TX 2472MHz



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
@	2473.500	32.09	8.58	34.60	82.91	88.98	---	---	Peak
	2483.500	32.14	8.58	34.61	38.32	44.43	74.00	29.57	Peak
	2848.000	33.10	8.67	34.67	41.33	48.43	74.00	25.57	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
@	2471.000	32.09	8.58	34.60	79.55	85.62	---	---	Average
	2483.500	32.14	8.58	34.61	27.37	33.48	54.00	20.52	Average
	2487.500	32.14	8.59	34.61	29.89	36.01	54.00	17.99	Average

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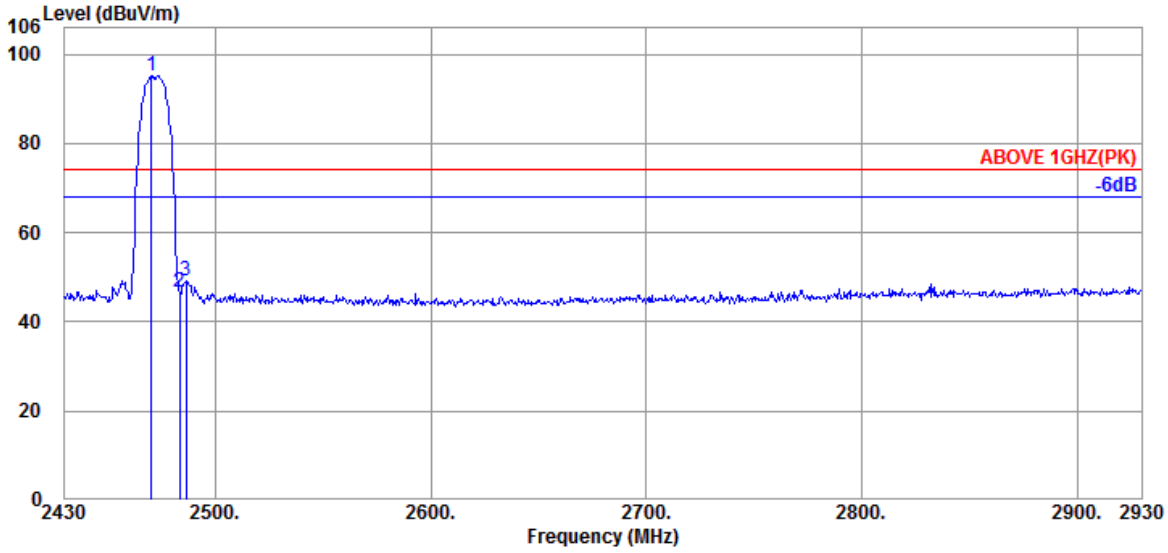
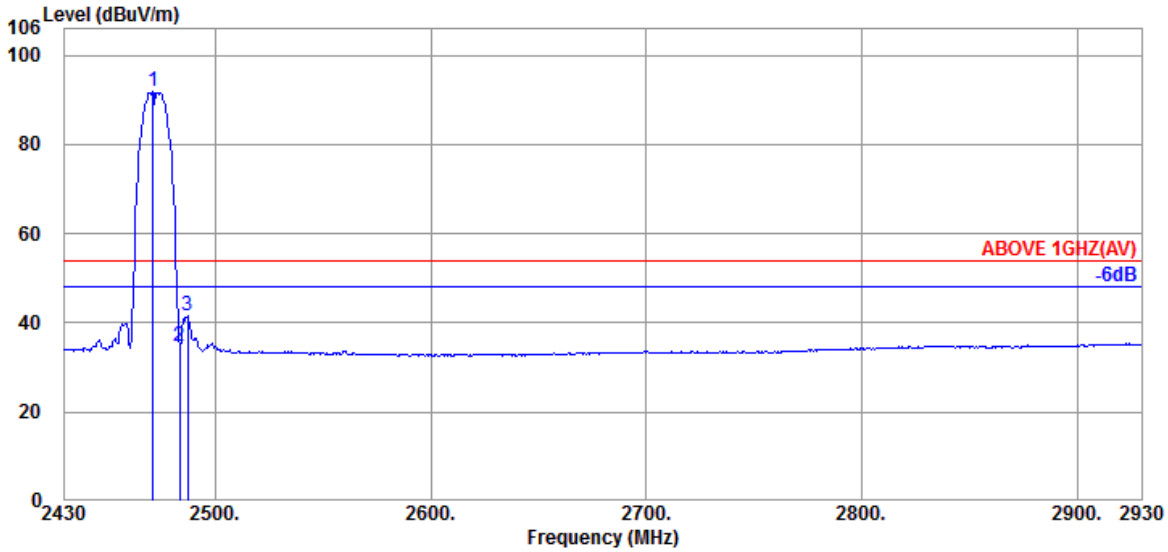
Mode	802.11b	Frequency	TX 2472MHz



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
@	2470.500	32.09	8.57	34.60	89.03	95.09	---	---	Peak
	2483.500	32.14	8.58	34.61	40.55	46.66	74.00	27.34	Peak
	2486.500	32.14	8.58	34.61	43.20	49.31	74.00	24.69	Peak



Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Detector
@	2471.000	32.09	8.58	34.60	85.64	91.71	---	---	Average
	2483.500	32.14	8.58	34.61	28.71	34.82	54.00	19.18	Average
	2487.000	32.14	8.58	34.61	35.58	41.69	54.00	12.31	Average

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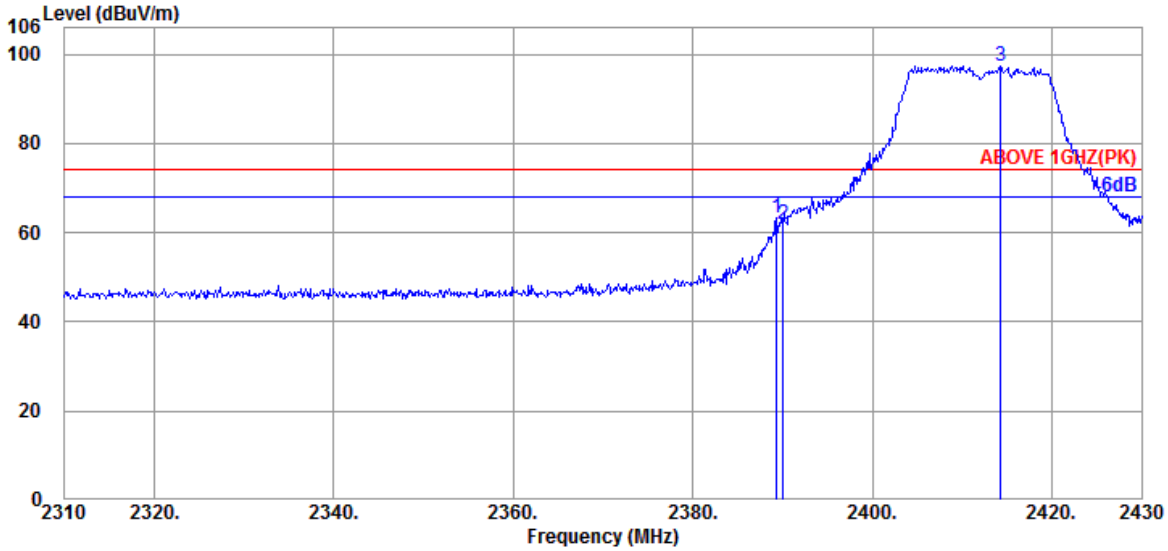
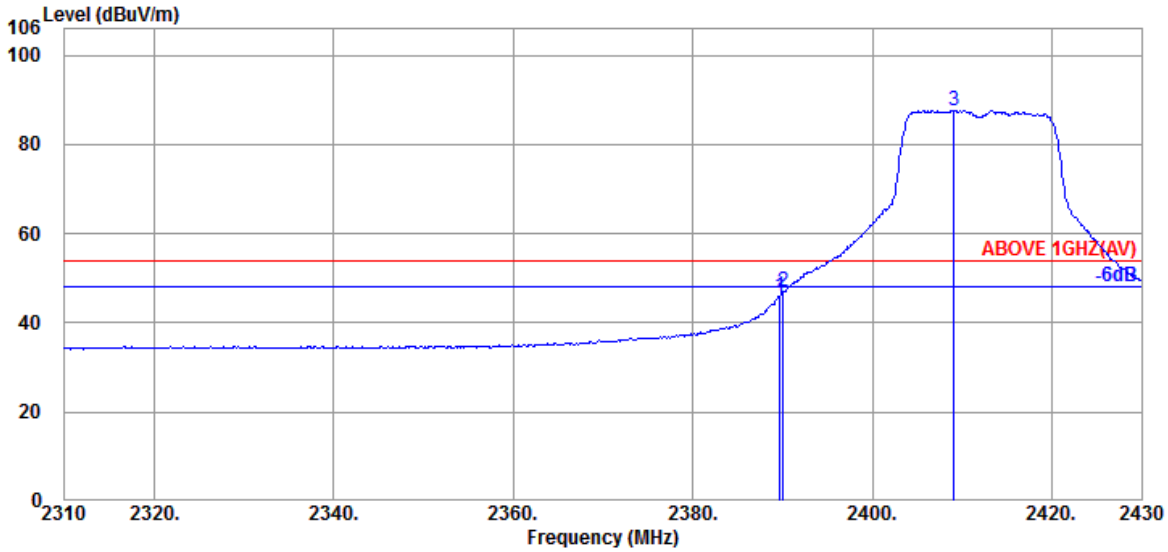
Mode	802.11g	Frequency	TX 2412MHz



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
	2389.320	32.44	8.52	34.58	57.00	63.38	74.00	10.62	Peak
	2390.040	32.44	8.52	34.58	55.47	61.85	74.00	12.15	Peak
@	2414.280	32.36	8.53	34.59	91.05	97.35	---	---	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
	2389.680	32.44	8.52	34.58	39.66	46.04	54.00	7.96	Average
	2390.040	32.44	8.52	34.58	40.58	46.96	54.00	7.04	Average
@	2409.120	32.43	8.53	34.59	81.30	87.67	---	---	Average

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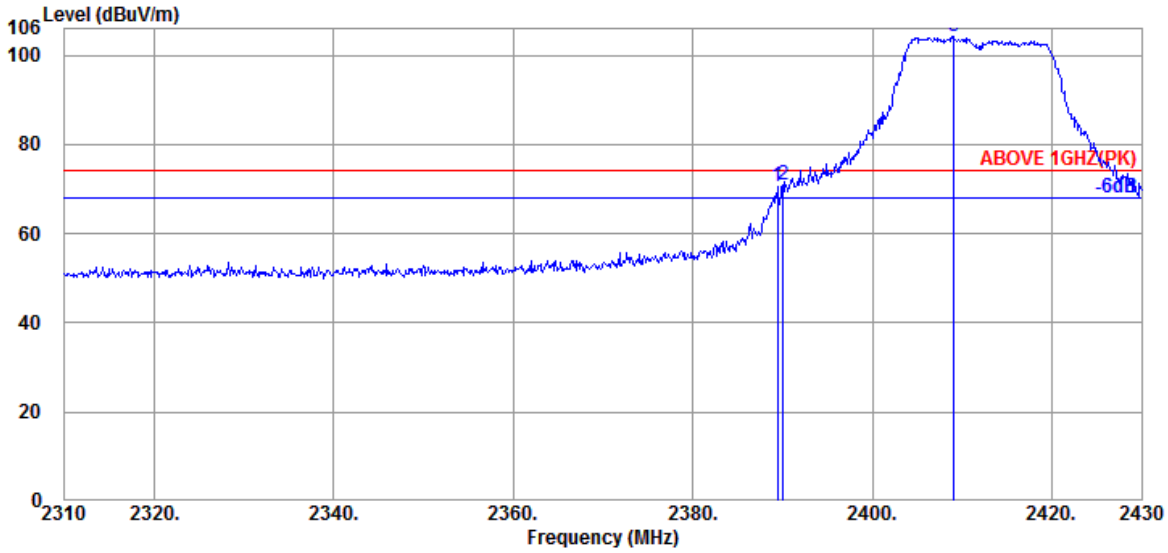
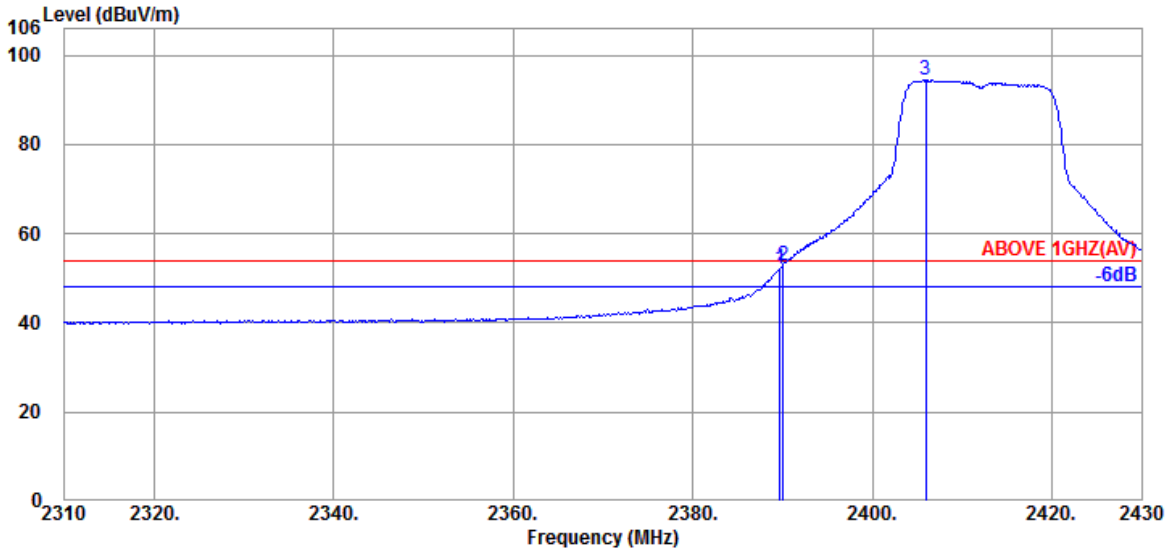
Mode	802.11g	Frequency	TX 2412MHz



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
	2389.440	32.44	8.52	34.58	64.25	70.63	74.00	3.37	Peak
	2390.040	32.44	8.52	34.58	64.42	70.80	74.00	3.20	Peak
@	2409.120	32.43	8.53	34.59	97.99	104.36	---	---	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
	2389.680	32.44	8.52	34.58	45.73	52.11	54.00	1.89	Average
	2390.040	32.44	8.52	34.58	46.44	52.82	54.00	1.18	Average
@	2406.000	32.43	8.53	34.59	88.09	94.46	---	---	Average

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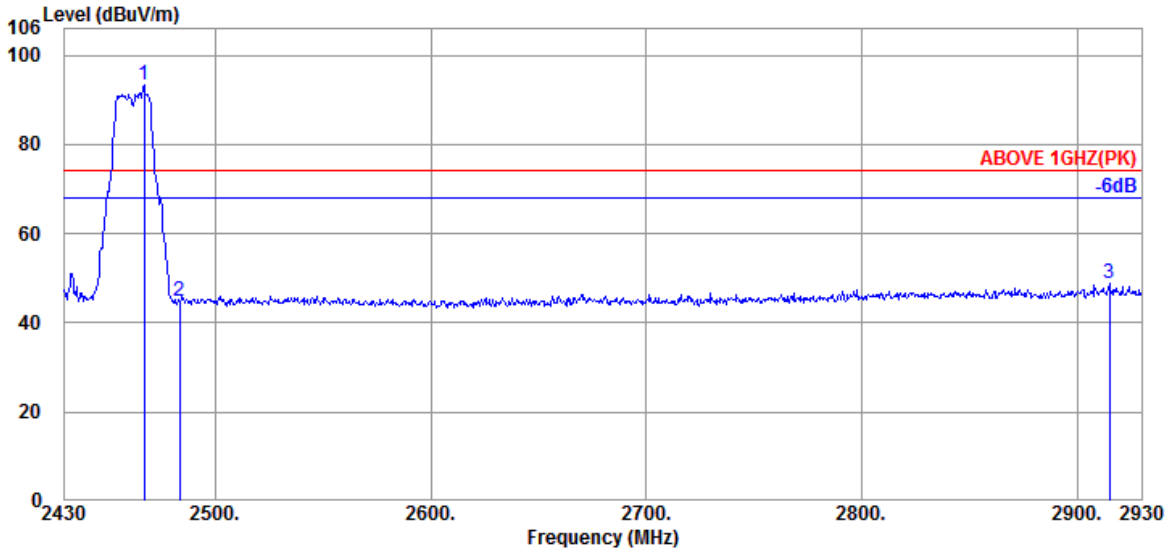
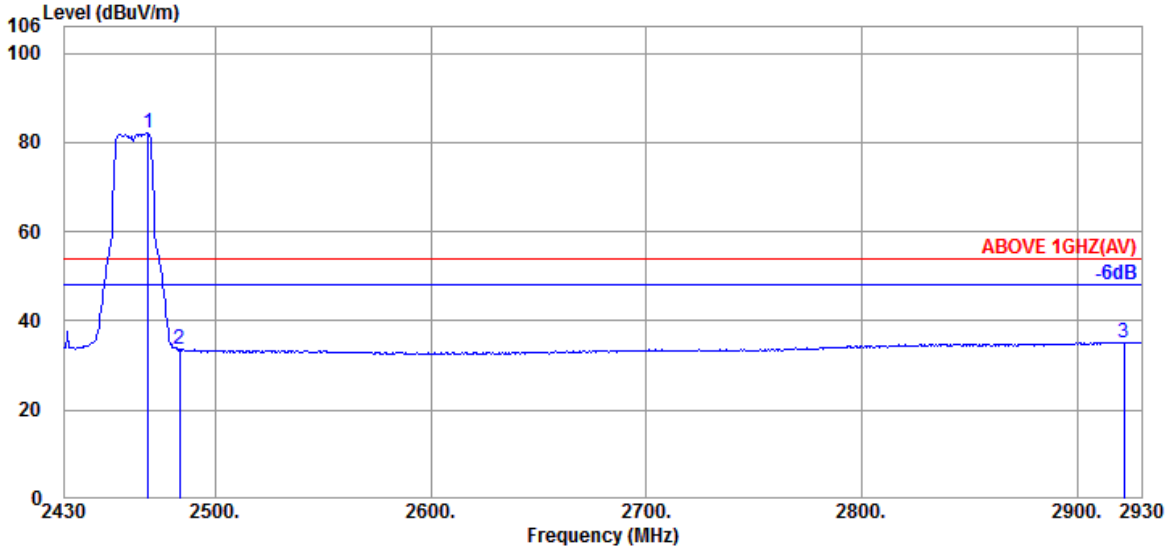
Mode	802.11g	Frequency	TX 2462MHz



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
@	2467.000	32.06	8.57	34.60	87.14	93.17	---	---	Peak
	2483.500	32.14	8.58	34.61	38.64	44.75	74.00	29.25	Peak
	2915.000	32.87	8.69	34.69	41.87	48.74	74.00	25.26	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
@	2469.000	32.09	8.57	34.60	76.04	82.10	---	---	Average
	2483.500	32.14	8.58	34.61	27.58	33.69	54.00	20.31	Average
	2922.000	32.90	8.69	34.69	28.34	35.24	54.00	18.76	Average

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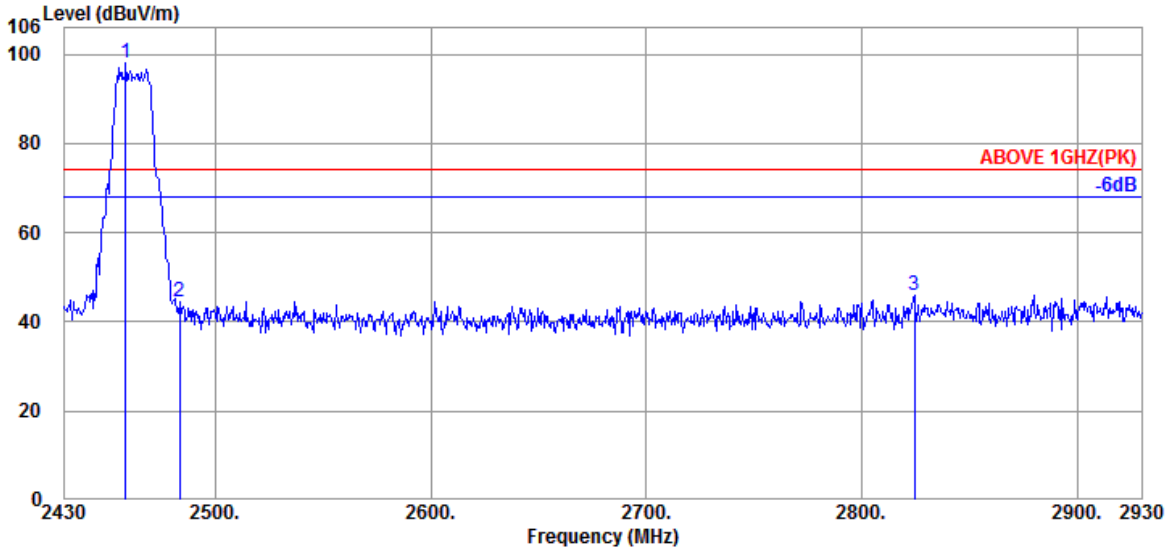
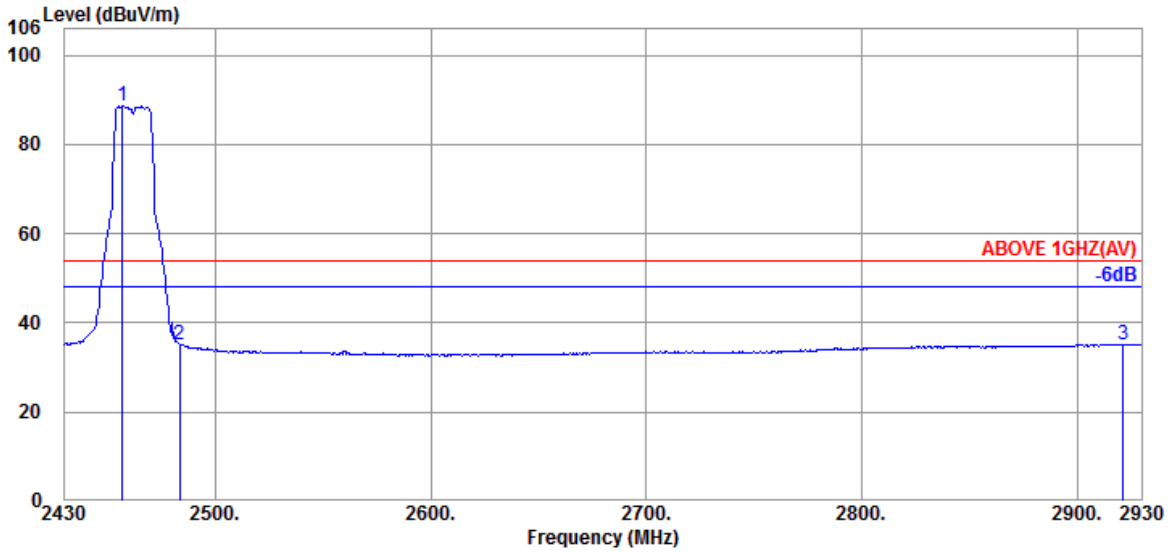
Mode	802.11g	Frequency	TX 2462MHz



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
@	2458.500	32.03	8.57	34.60	92.15	98.15	---	---	Peak
	2483.500	32.14	8.58	34.61	38.45	44.56	74.00	29.44	Peak
	2824.500	32.85	8.67	34.67	39.10	45.95	74.00	28.05	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
@	2457.000	32.03	8.57	34.60	82.66	88.66	---	---	Average
	2483.500	32.14	8.58	34.61	29.14	35.25	54.00	18.75	Average
	2921.500	32.90	8.69	34.69	28.34	35.24	54.00	18.76	Average

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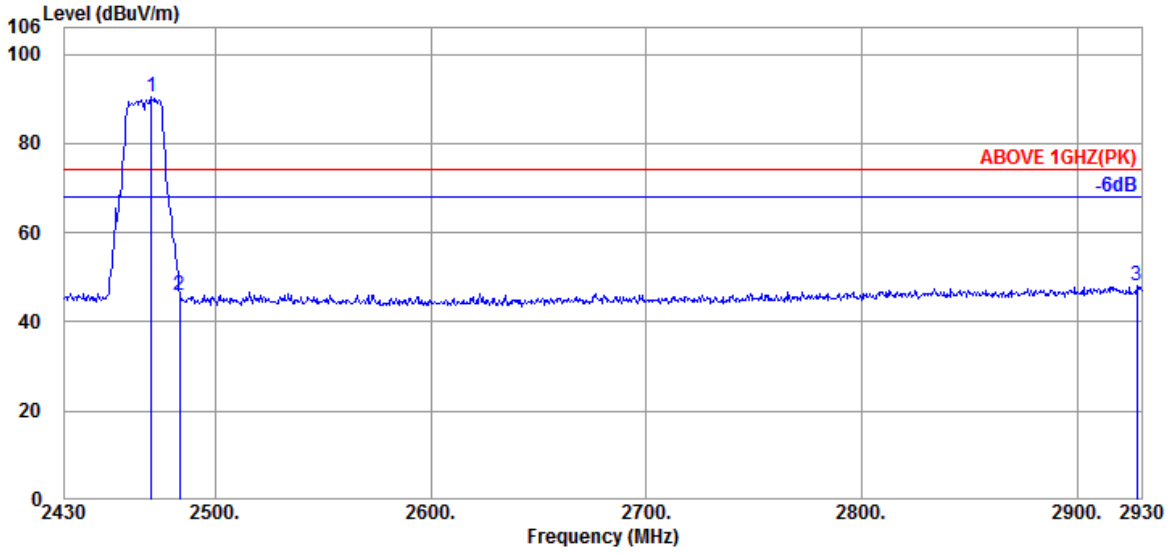
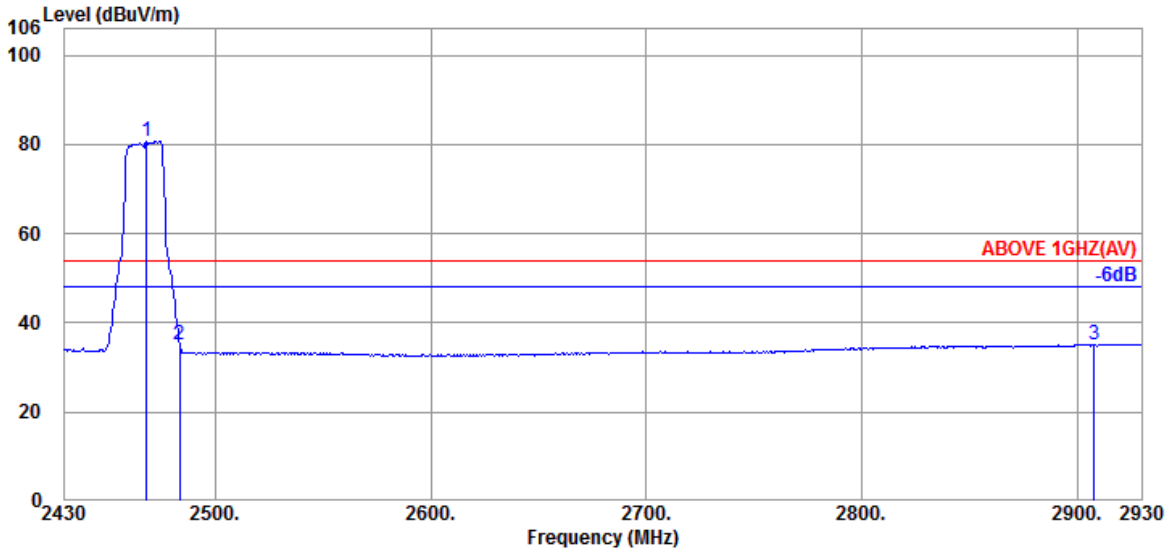
Mode	802.11g	Frequency	TX 2467MHz



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
@	2470.500	32.09	8.57	34.60	84.53	90.59	---	---	Peak
	2483.500	32.14	8.58	34.61	39.91	46.02	74.00	27.98	Peak
	2928.000	32.93	8.69	34.69	41.09	48.02	74.00	25.98	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
@	2468.000	32.09	8.57	34.60	74.67	80.73	---	---	Average
	2483.500	32.14	8.58	34.61	28.83	34.94	54.00	19.06	Average
	2908.000	32.83	8.69	34.69	28.40	35.23	54.00	18.77	Average

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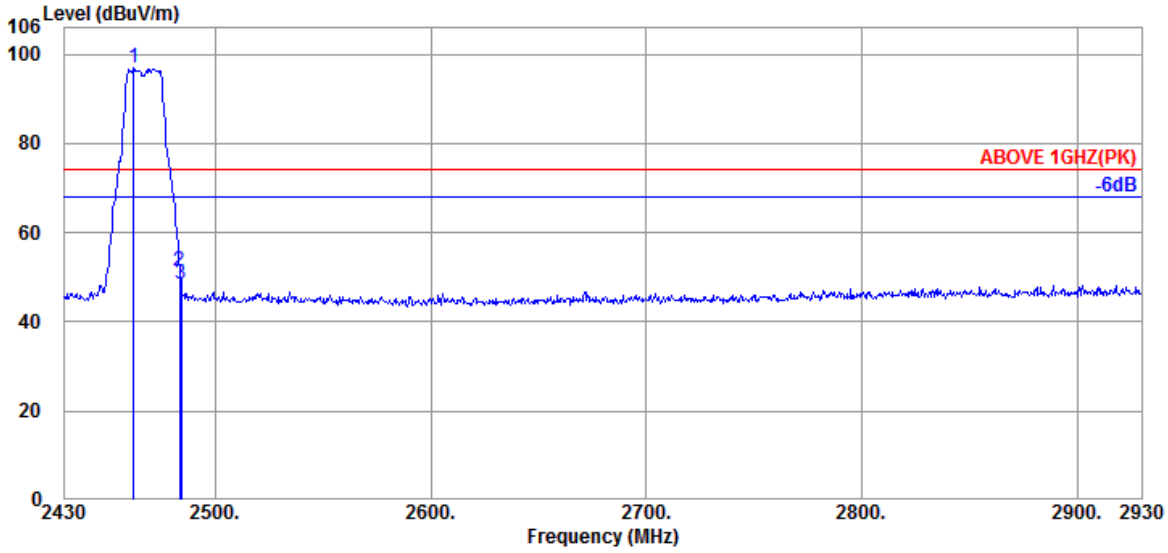
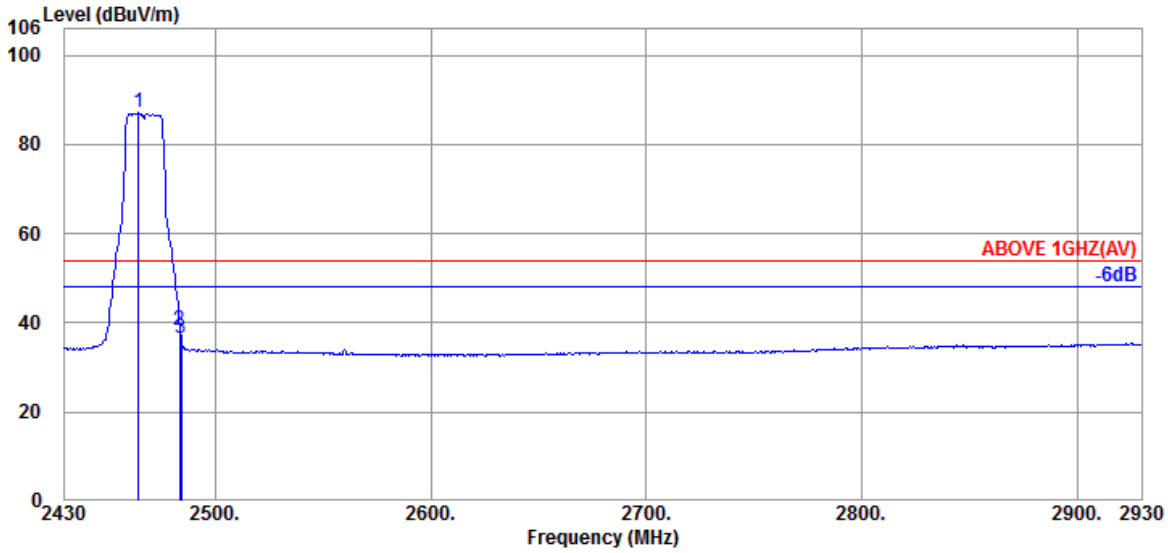
Mode	802.11g	Frequency	TX 2467MHz



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
@	2462.000	32.06	8.57	34.60	90.89	96.92	---	---	Peak
	2483.500	32.14	8.58	34.61	45.43	51.54	74.00	22.46	Peak
	2484.000	32.14	8.58	34.61	42.19	48.30	74.00	25.70	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
@	2464.500	32.06	8.57	34.60	81.01	87.04	---	---	Average
	2483.500	32.14	8.58	34.61	32.27	38.38	54.00	15.62	Average
	2484.000	32.14	8.58	34.61	30.41	36.52	54.00	17.48	Average

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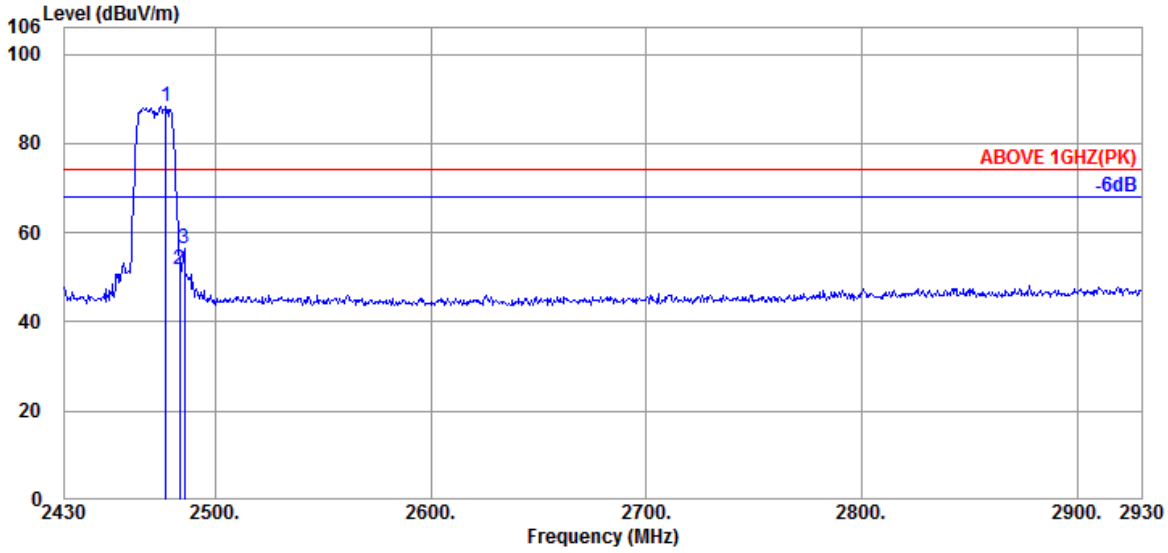
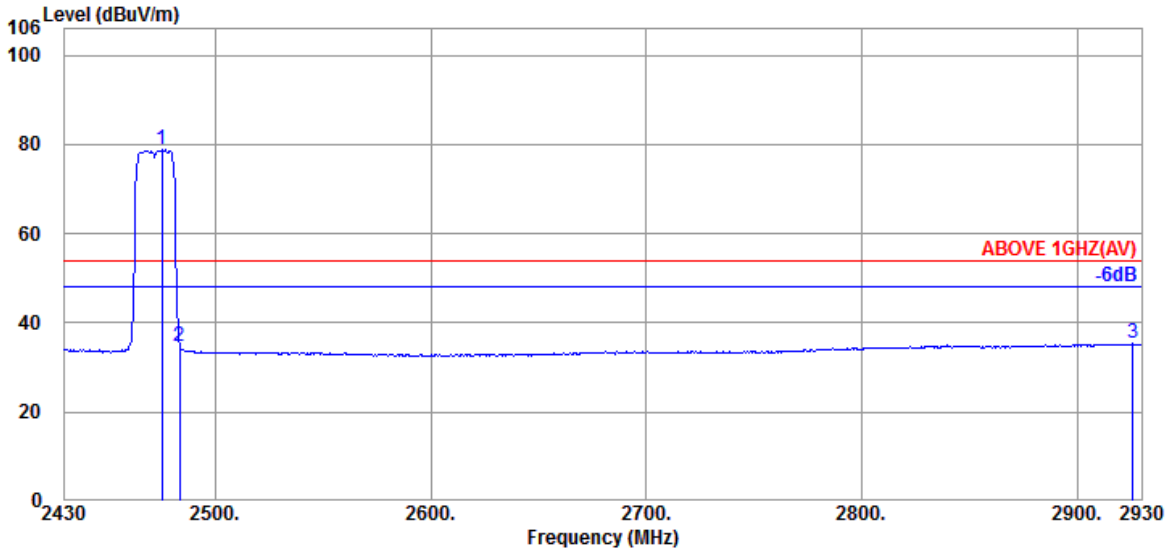
Mode	802.11g	Frequency	TX 2472MHz



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
@	2477.000	32.11	8.58	34.60	82.18	88.27	---	---	Peak
	2483.500	32.14	8.58	34.61	45.51	51.62	74.00	22.38	Peak
	2485.500	32.14	8.58	34.61	50.16	56.27	74.00	17.73	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
@	2475.000	32.11	8.58	34.60	72.74	78.83	---	---	Average
	2483.500	32.14	8.58	34.61	28.70	34.81	54.00	19.19	Average
	2926.000	32.90	8.69	34.69	28.41	35.31	54.00	18.69	Average

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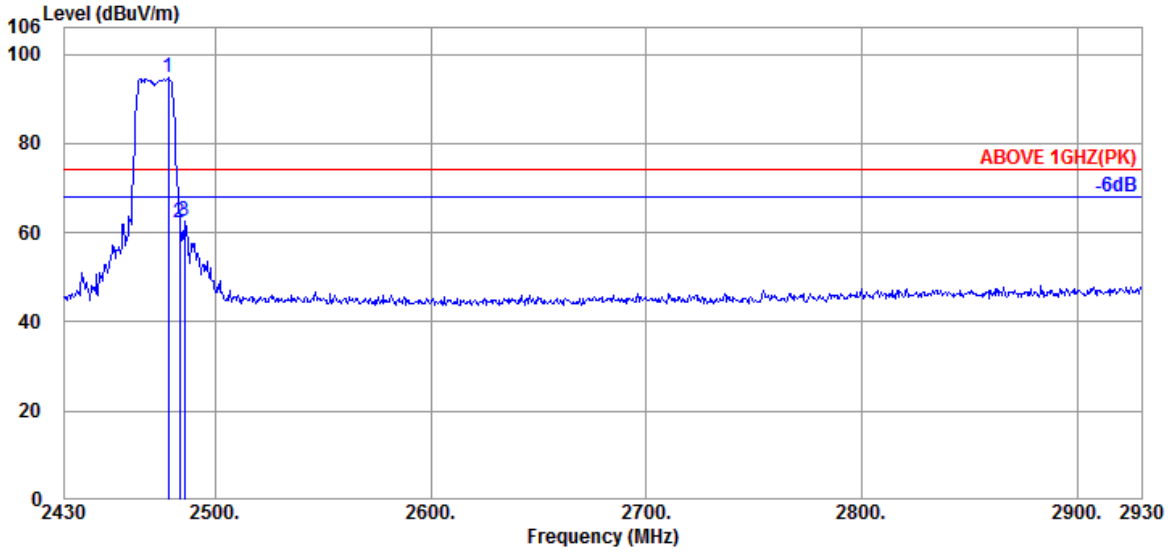
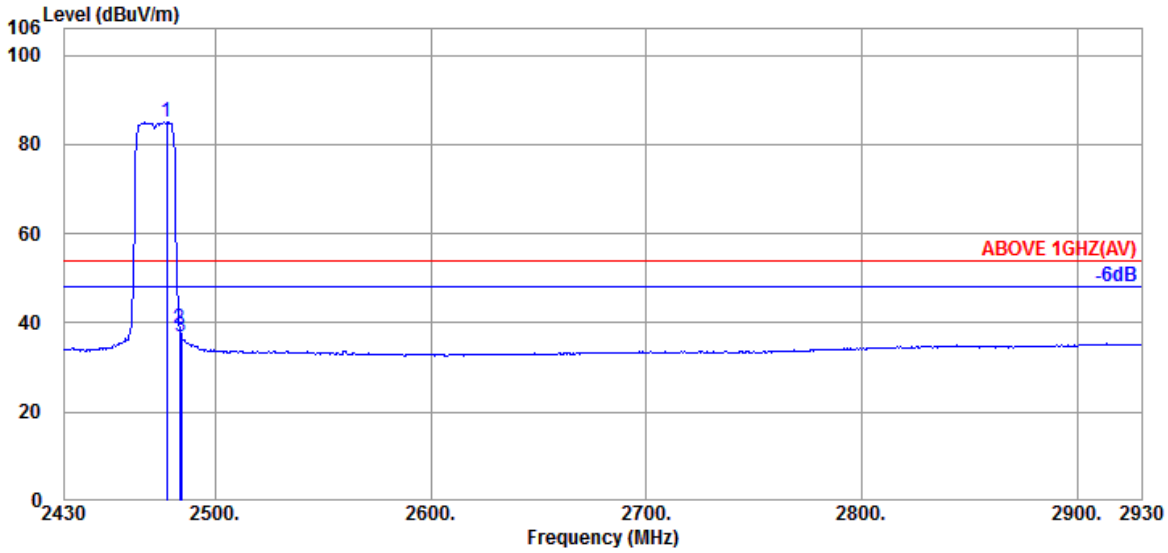
Mode	802.11g	Frequency	TX 2472MHz



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
@	2478.000	32.11	8.58	34.60	88.52	94.61	---	---	Peak
	2483.500	32.14	8.58	34.61	55.94	62.05	74.00	11.95	Peak
	2485.500	32.14	8.58	34.61	56.56	62.67	74.00	11.33	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
@	2477.500	32.11	8.58	34.60	78.99	85.08	---	---	Average
	2483.500	32.14	8.58	34.61	32.71	38.82	54.00	15.18	Average
	2484.000	32.14	8.58	34.61	30.93	37.04	54.00	16.96	Average

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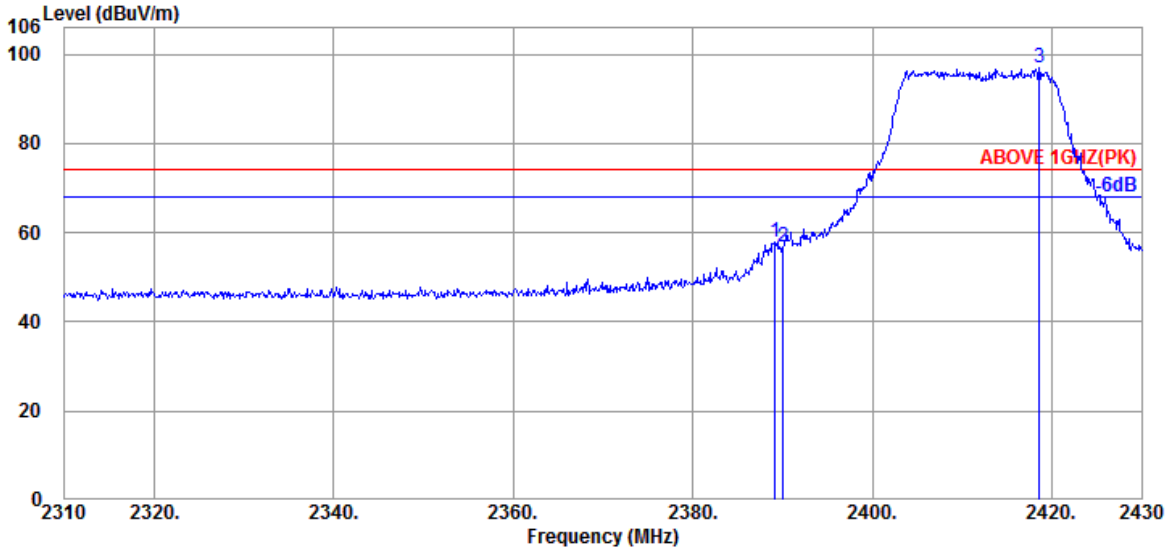
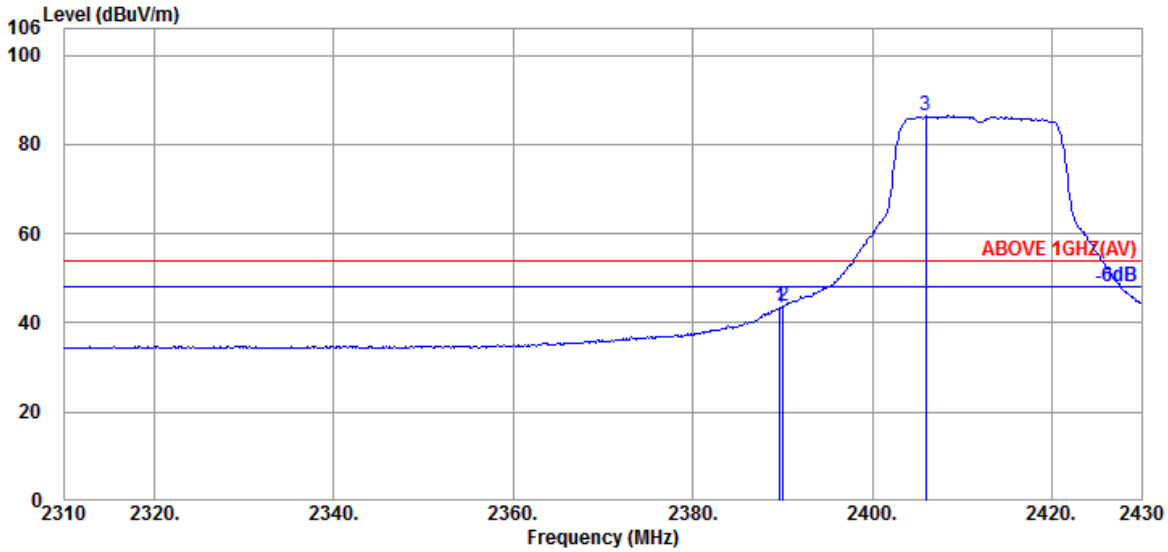
Mode	802.11n-HT20	Frequency	TX 2412MHz



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
	2389.200	32.44	8.52	34.58	51.57	57.95	74.00	16.05	Peak
	2390.040	32.44	8.52	34.58	50.34	56.72	74.00	17.28	Peak
@	2418.600	32.29	8.53	34.59	90.60	96.83	---	---	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
	2389.680	32.44	8.52	34.58	36.86	43.24	54.00	10.76	Average
	2390.040	32.44	8.52	34.58	37.39	43.77	54.00	10.23	Average
@	2406.000	32.43	8.53	34.59	80.09	86.46	---	---	Average

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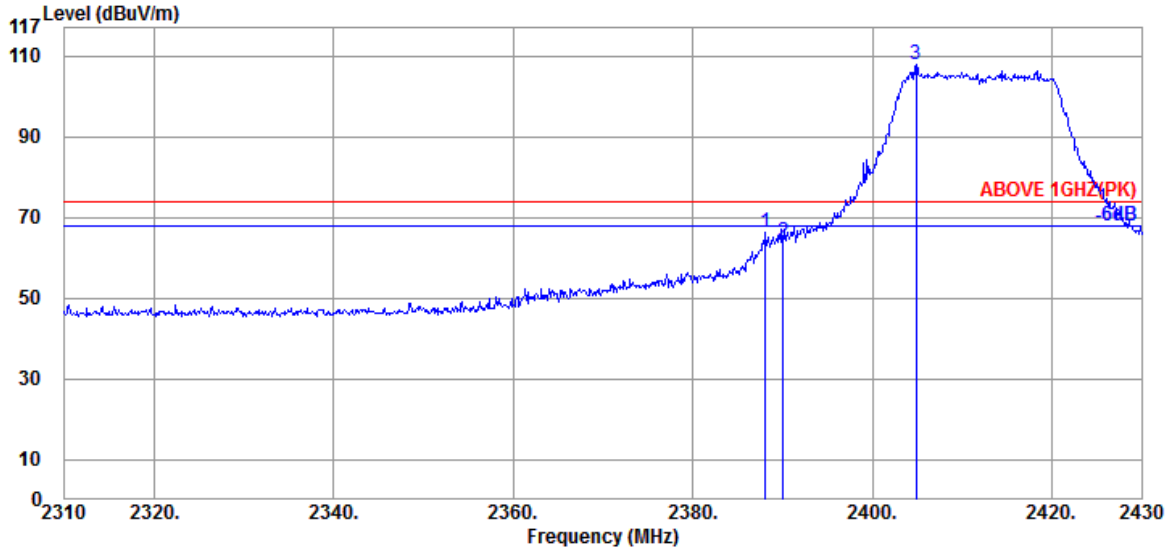
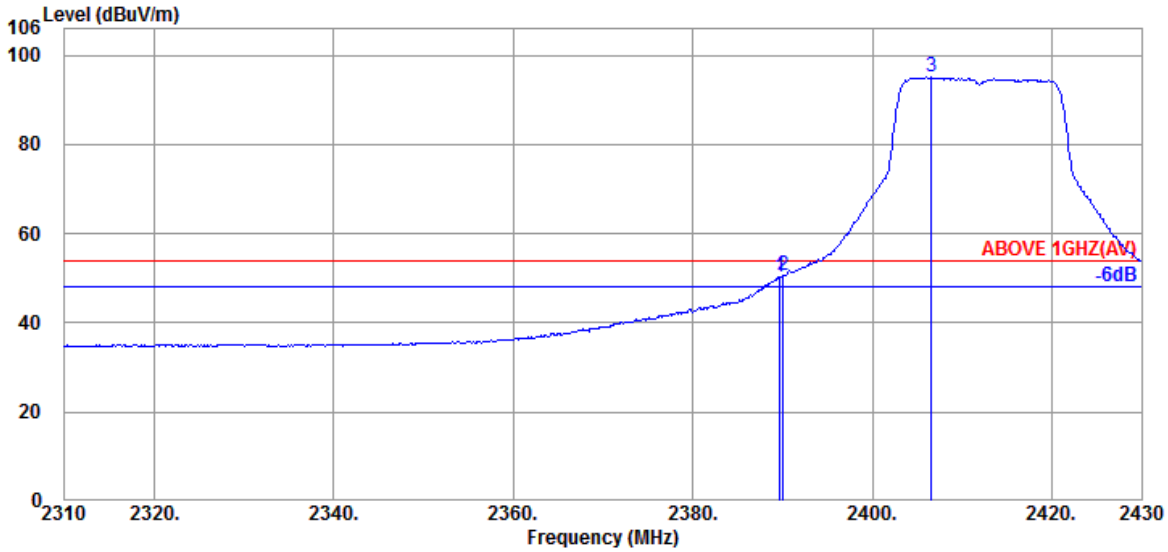
Mode	802.11n-HT20	Frequency	TX 2412MHz



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
	2388.120	32.44	8.52	34.58	59.74	66.12	74.00	7.88	Peak
	2390.040	32.44	8.52	34.58	57.59	63.97	74.00	10.03	Peak
@	2404.920	32.43	8.53	34.59	101.26	107.63	---	---	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
	2389.680	32.44	8.52	34.58	43.97	50.35	54.00	3.65	Average
	2390.040	32.44	8.52	34.58	44.16	50.54	54.00	3.46	Average
@	2406.600	32.43	8.53	34.59	88.64	95.01	---	---	Average

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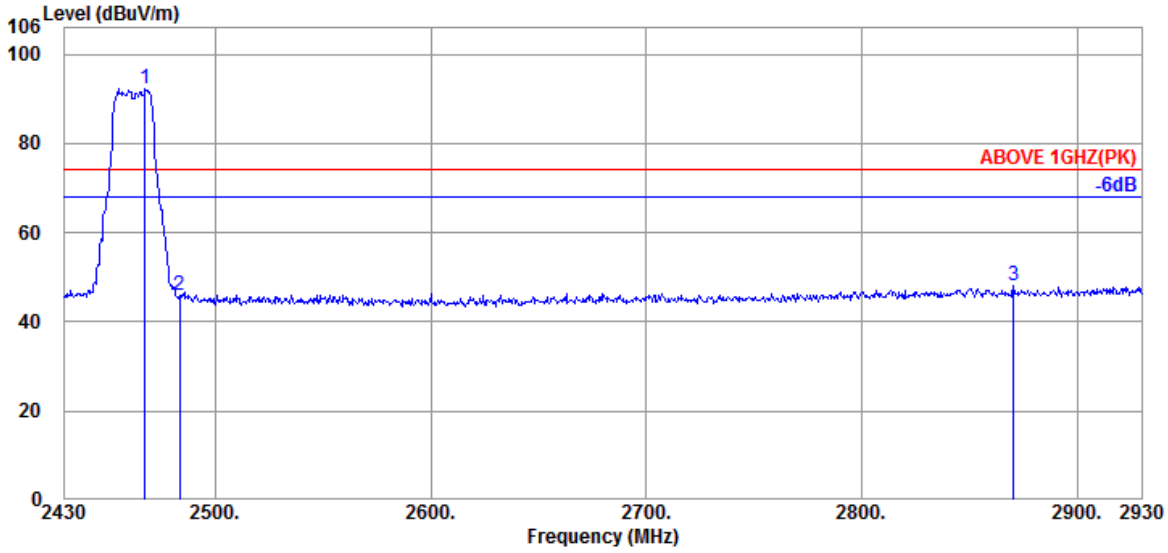
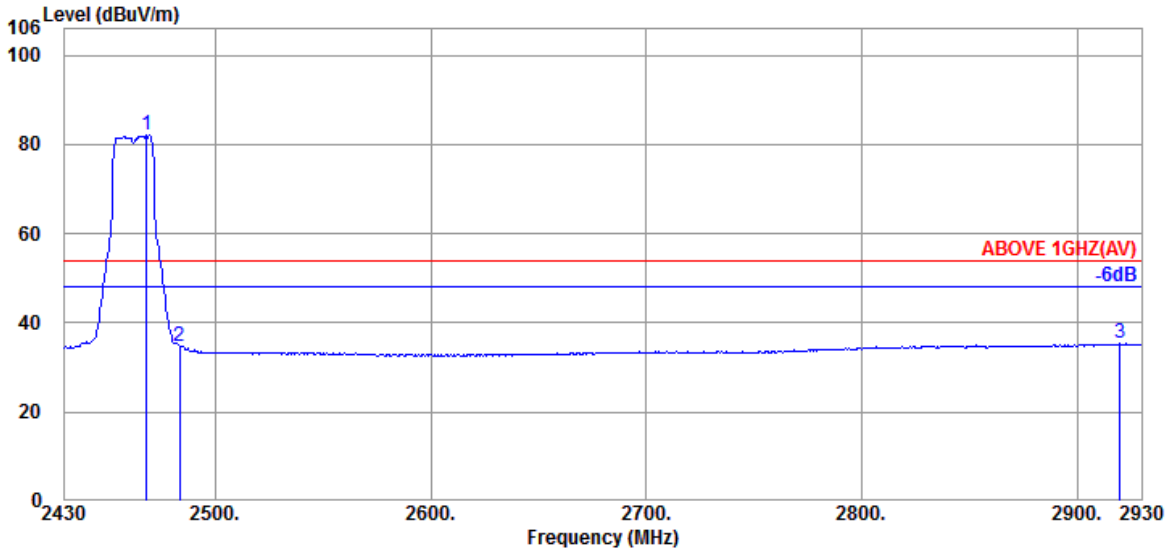
Mode	802.11n-HT20	Frequency	TX 2462MHz



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
@	2467.500	32.06	8.57	34.60	86.26	92.29	---	---	Peak
	2483.500	32.14	8.58	34.61	39.72	45.83	74.00	28.17	Peak
	2870.500	32.95	8.68	34.68	41.29	48.24	74.00	25.76	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
@	2468.000	32.09	8.57	34.60	76.01	82.07	---	---	Average
	2483.500	32.14	8.58	34.61	28.77	34.88	54.00	19.12	Average
	2920.000	32.90	8.69	34.69	28.39	35.29	54.00	18.71	Average

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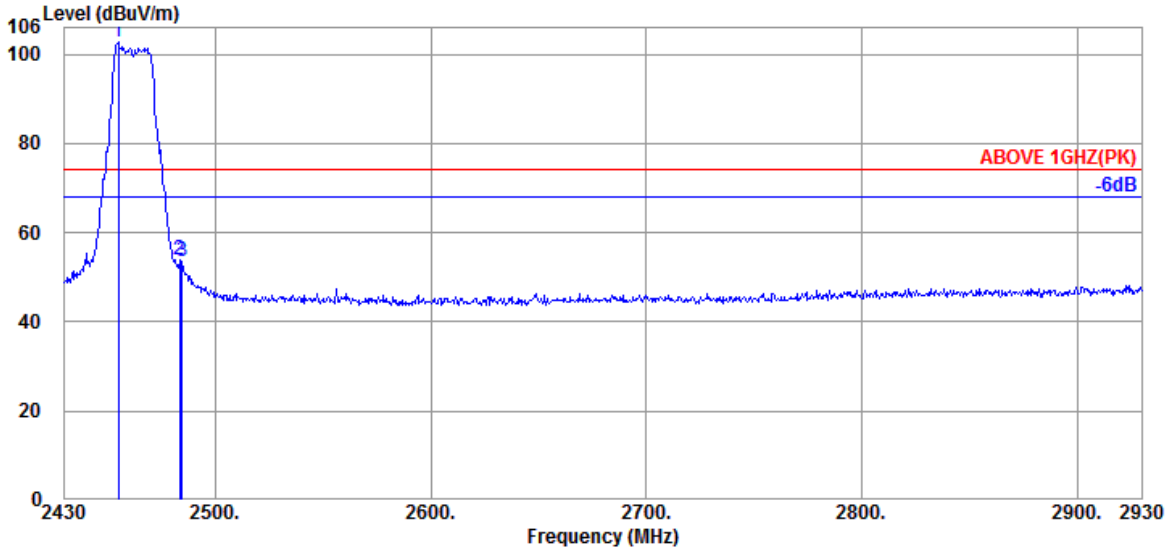
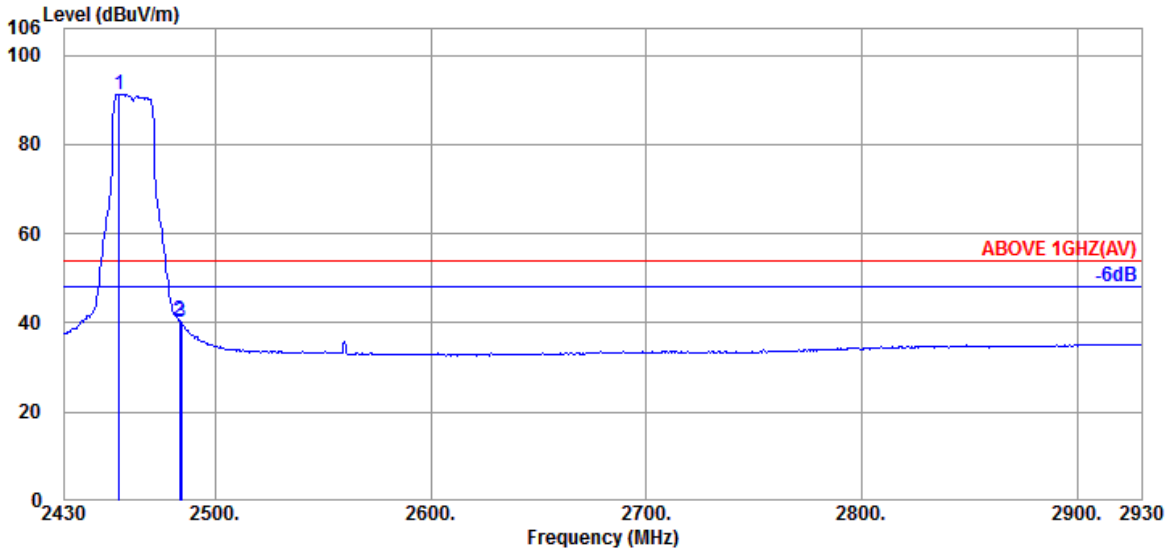
Mode	802.11n-HT20	Frequency	TX 2462MHz



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
@	2455.000	32.03	8.57	34.60	96.72	102.72	---	---	Peak
	2483.500	32.14	8.58	34.61	47.81	53.92	74.00	20.08	Peak
	2484.500	32.14	8.58	34.61	47.56	53.67	74.00	20.33	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
@	2455.500	32.03	8.57	34.60	85.33	91.33	---	---	Average
	2483.500	32.14	8.58	34.61	34.25	40.36	54.00	13.64	Average
	2484.000	32.14	8.58	34.61	34.08	40.19	54.00	13.81	Average

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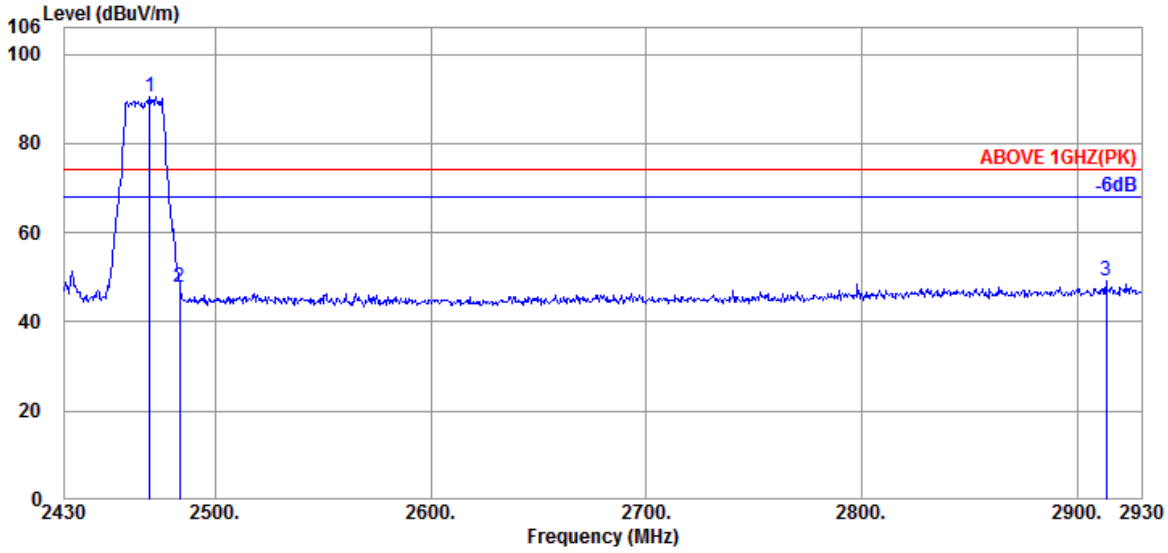
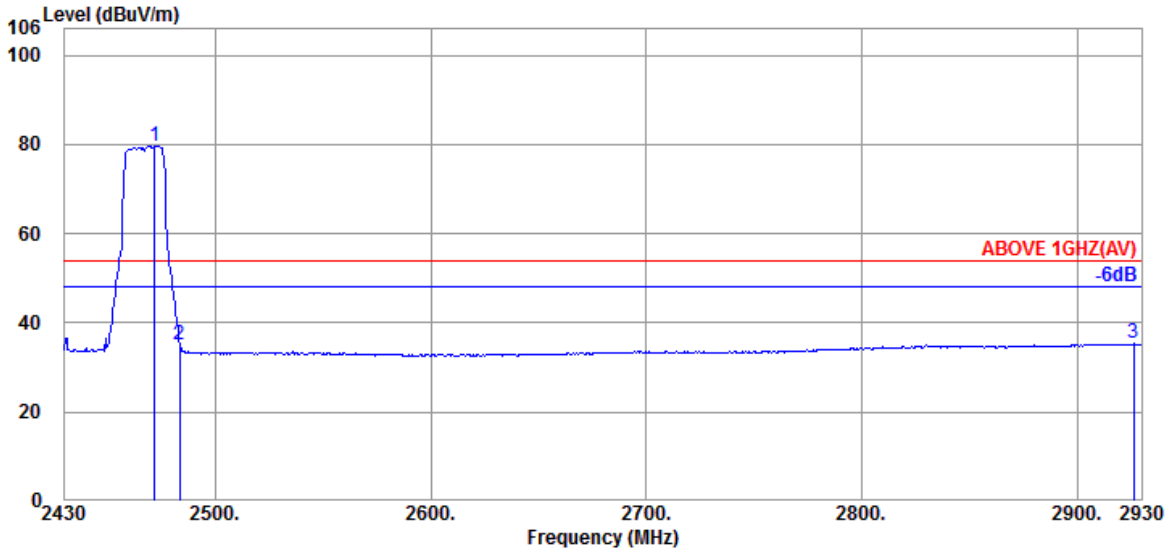
Mode	802.11n-HT20	Frequency	TX 2467MHz



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
@	2469.500	32.09	8.57	34.60	84.35	90.41	---	---	Peak
	2483.500	32.14	8.58	34.61	41.72	47.83	74.00	26.17	Peak
	2913.500	32.87	8.69	34.69	42.33	49.20	74.00	24.80	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
@	2472.000	32.09	8.58	34.60	73.65	79.72	---	---	Average
	2483.500	32.14	8.58	34.61	29.03	35.14	54.00	18.86	Average
	2926.500	32.93	8.69	34.69	28.45	35.38	54.00	18.62	Average

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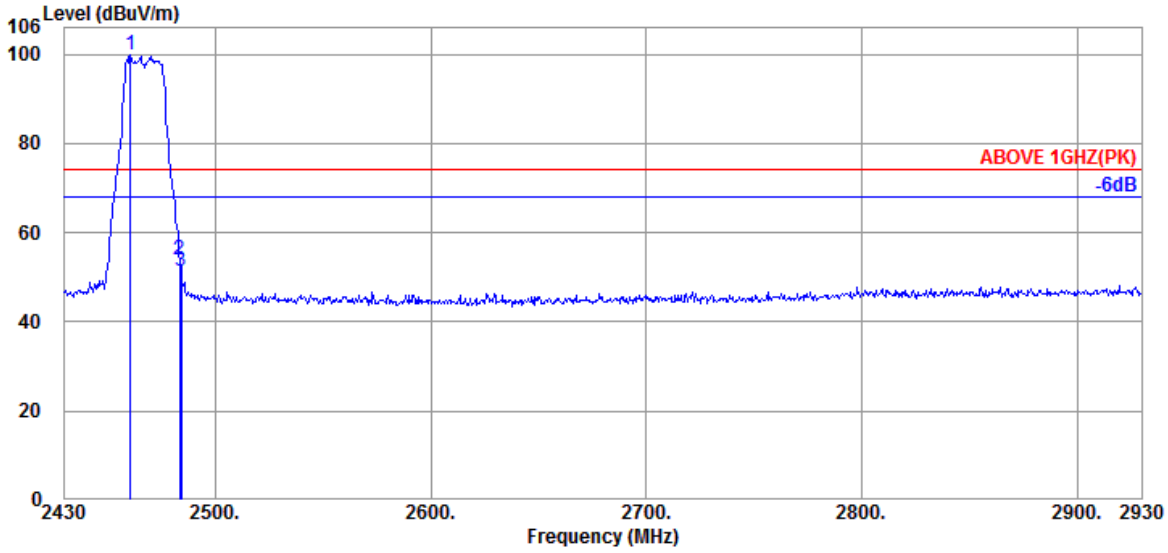
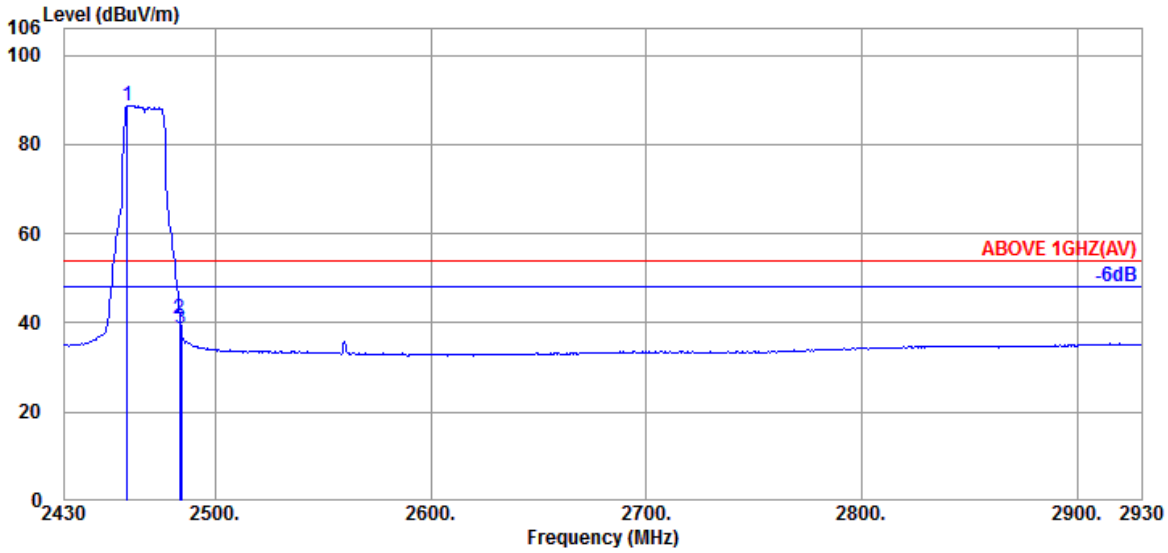
Mode	802.11n-HT20	Frequency	TX 2467MHz



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
@	2460.500	32.06	8.57	34.60	93.67	99.70	---	---	Peak
	2483.500	32.14	8.58	34.61	47.77	53.88	74.00	20.12	Peak
	2484.000	32.14	8.58	34.61	45.09	51.20	74.00	22.80	Peak



Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Detector
@	2459.000	32.03	8.57	34.60	82.75	88.75	---	---	Average
	2483.500	32.14	8.58	34.61	34.89	41.00	54.00	13.00	Average
	2484.000	32.14	8.58	34.61	32.77	38.88	54.00	15.12	Average

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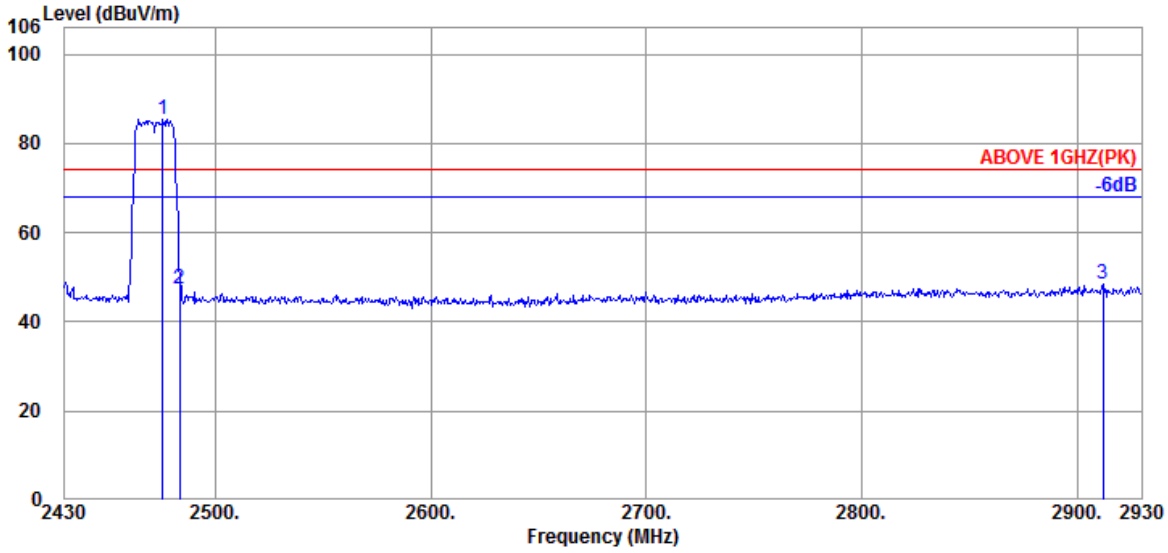
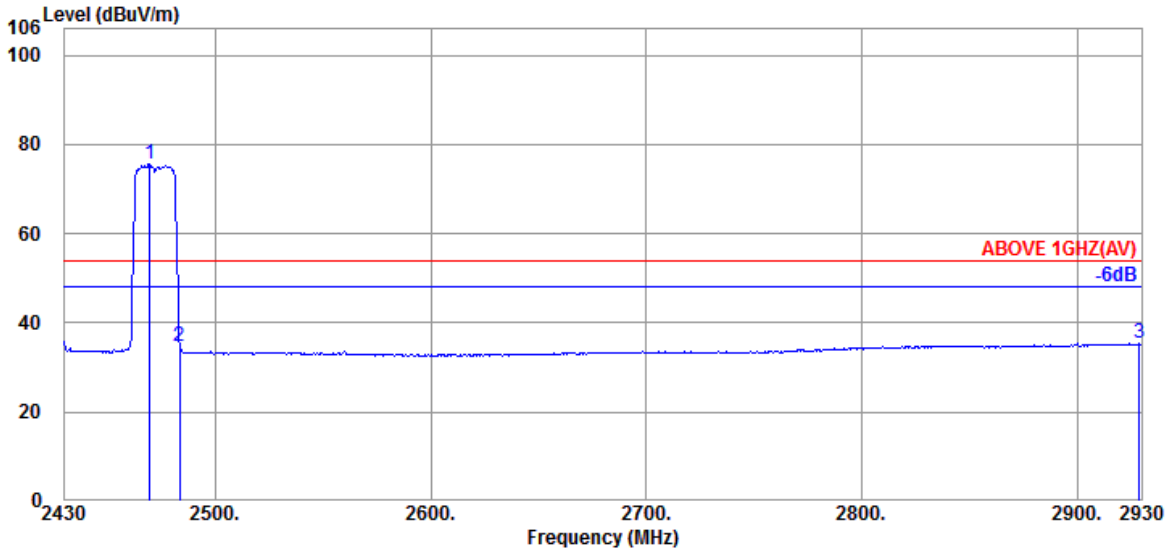
Mode	802.11n-HT20	Frequency	TX 2472MHz



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
@	2475.500	32.11	8.58	34.60	79.38	85.47	---	---	Peak
	2483.500	32.14	8.58	34.61	41.46	47.57	74.00	26.43	Peak
	2912.000	32.87	8.69	34.69	41.57	48.44	74.00	25.56	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
@	2469.500	32.09	8.57	34.60	69.47	75.53	---	---	Average
	2483.500	32.14	8.58	34.61	28.69	34.80	54.00	19.20	Average
	2929.000	32.93	8.69	34.69	28.47	35.40	54.00	18.60	Average

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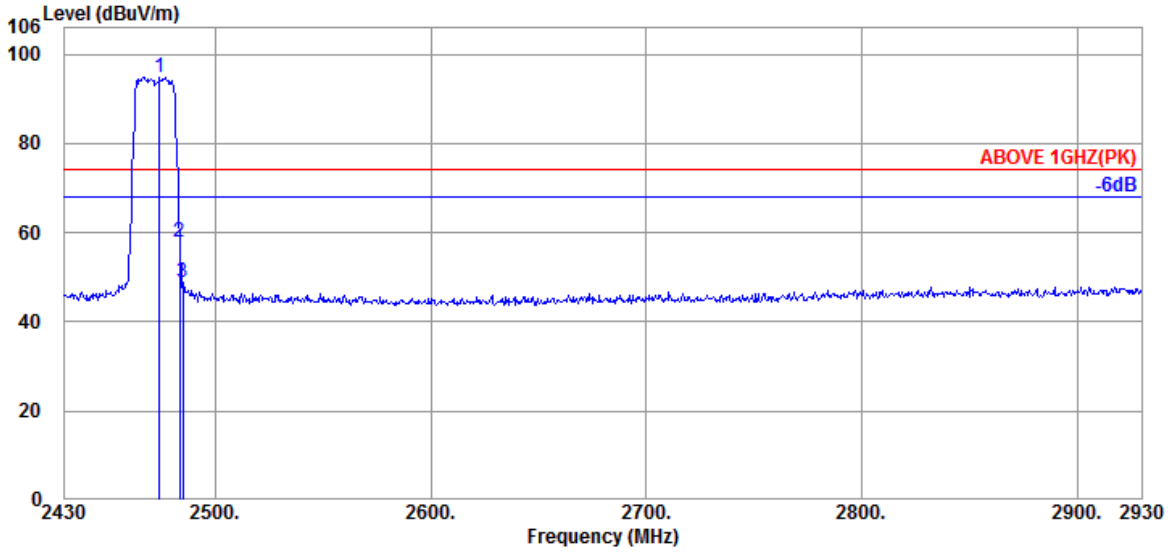
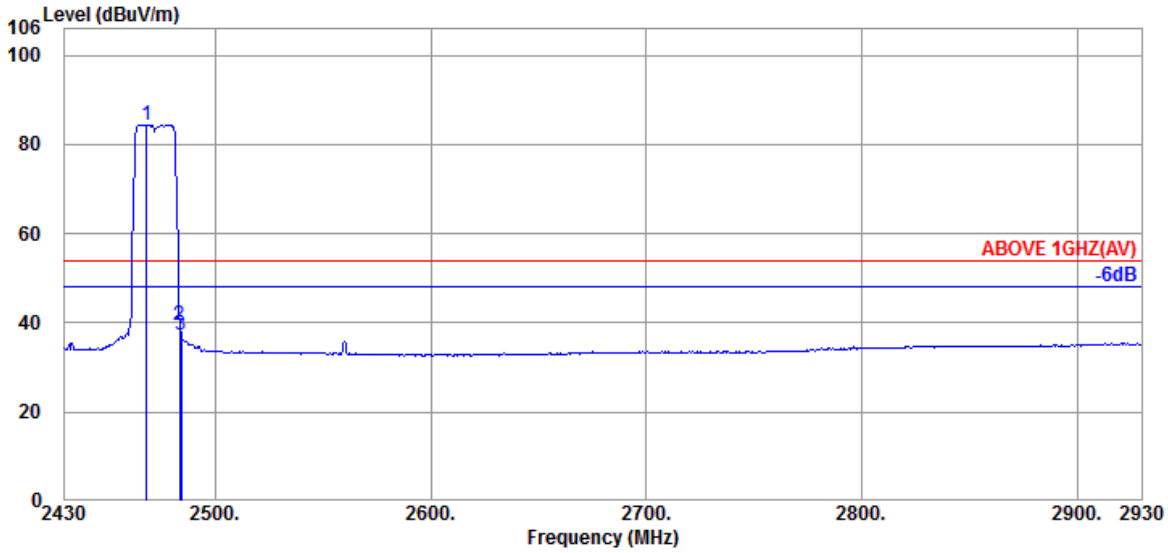
Mode	802.11n-HT20	Frequency	TX 2472MHz



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
@	2474.000	32.09	8.58	34.60	88.89	94.96	---	---	Peak
	2483.500	32.14	8.58	34.61	51.78	57.89	74.00	16.11	Peak
	2485.000	32.14	8.58	34.61	42.59	48.70	74.00	25.30	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
@	2468.000	32.09	8.57	34.60	78.34	84.40	---	---	Average
	2483.500	32.14	8.58	34.61	33.25	39.36	54.00	14.64	Average
	2484.000	32.14	8.58	34.61	31.16	37.27	54.00	16.73	Average

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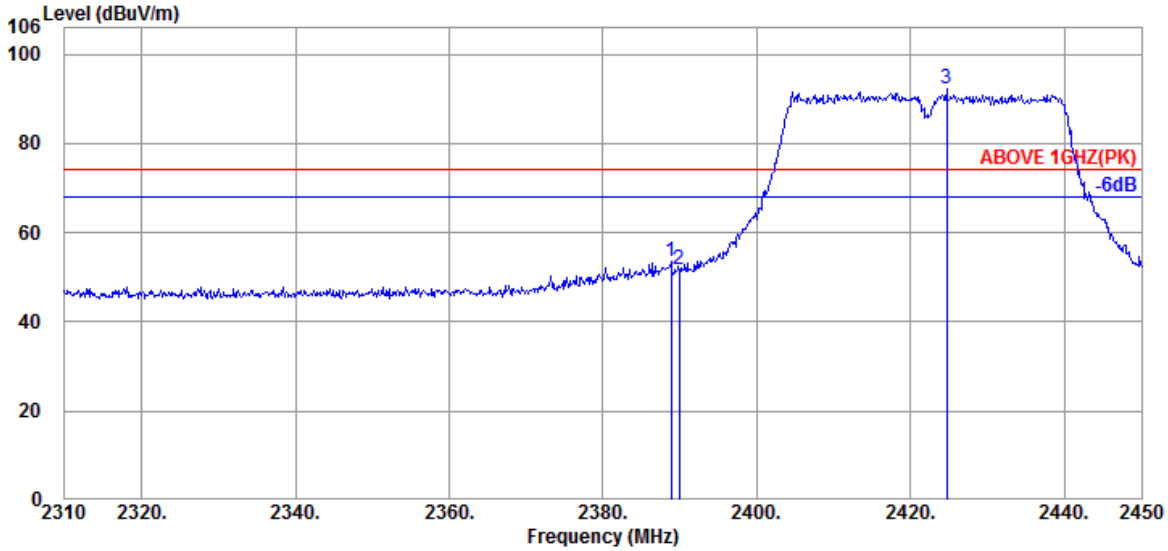
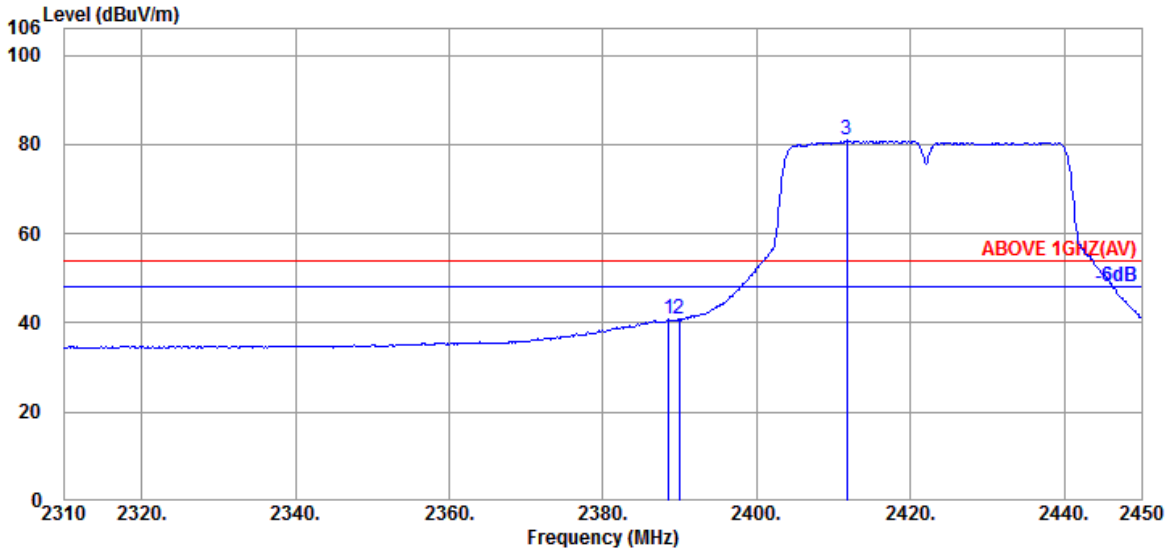
Mode	802.11n-HT40	Frequency	TX 2422MHz



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
	2388.820	32.44	8.52	34.58	47.24	53.62	74.00	20.38	Peak
	2389.940	32.44	8.52	34.58	45.34	51.72	74.00	22.28	Peak
@	2424.660	32.29	8.54	34.59	85.93	92.17	---	---	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
	2388.540	32.44	8.52	34.58	34.37	40.75	54.00	13.25	Average
	2389.940	32.44	8.52	34.58	34.43	40.81	54.00	13.19	Average
@	2411.640	32.36	8.53	34.59	74.56	80.86	---	---	Average

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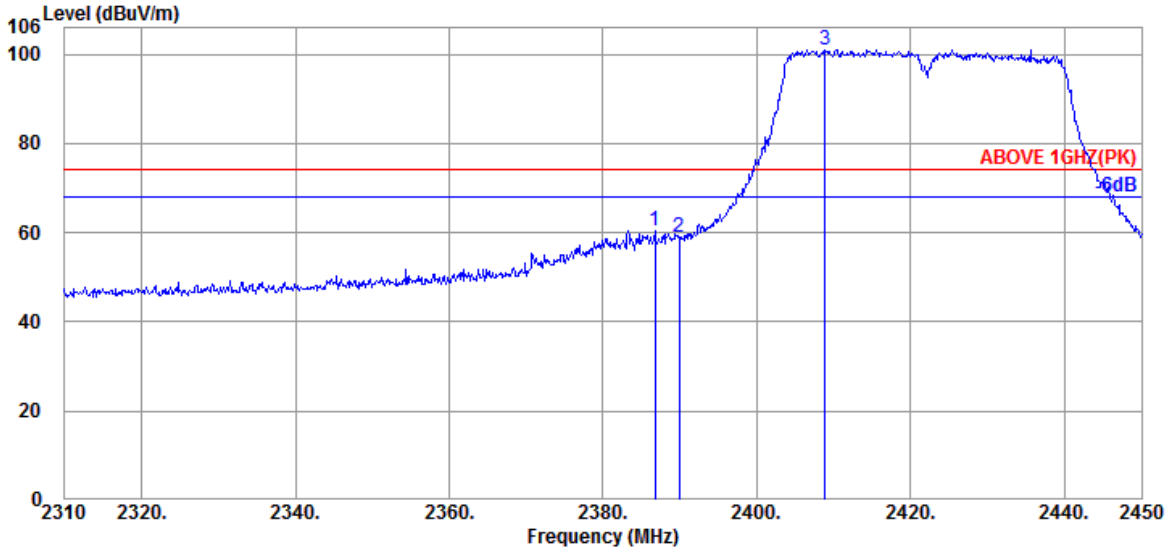
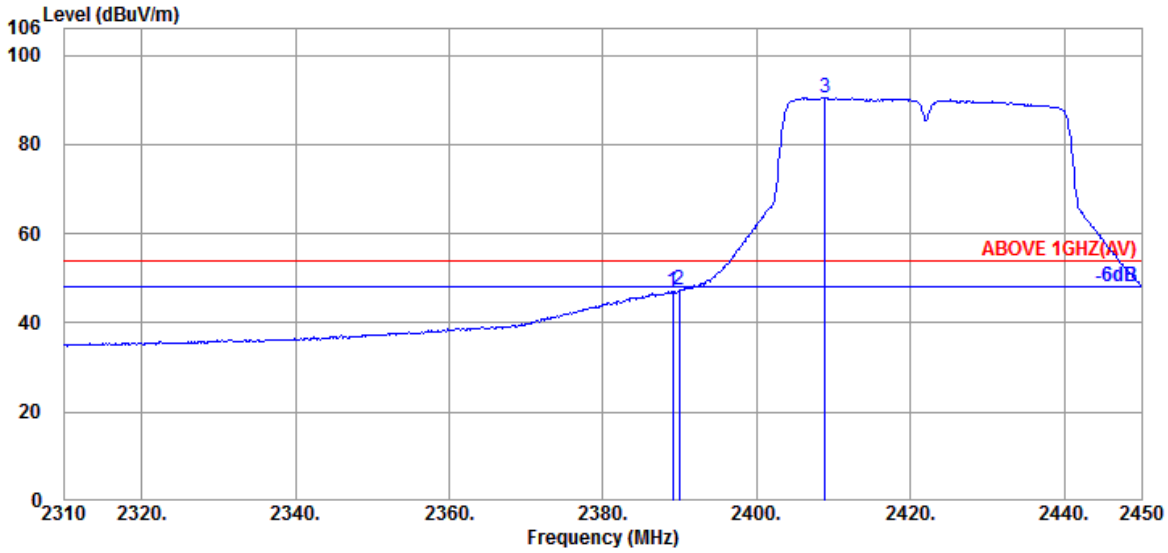
Mode	802.11n-HT40	Frequency	TX 2422MHz



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
	2386.720	32.44	8.52	34.58	54.16	60.54	74.00	13.46	Peak
	2389.940	32.44	8.52	34.58	52.46	58.84	74.00	15.16	Peak
@	2408.840	32.43	8.53	34.59	94.71	101.08	---	---	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
	2389.100	32.44	8.52	34.58	40.78	47.16	54.00	6.84	Average
	2389.940	32.44	8.52	34.58	40.84	47.22	54.00	6.78	Average
@	2408.840	32.43	8.53	34.59	84.14	90.51	---	---	Average

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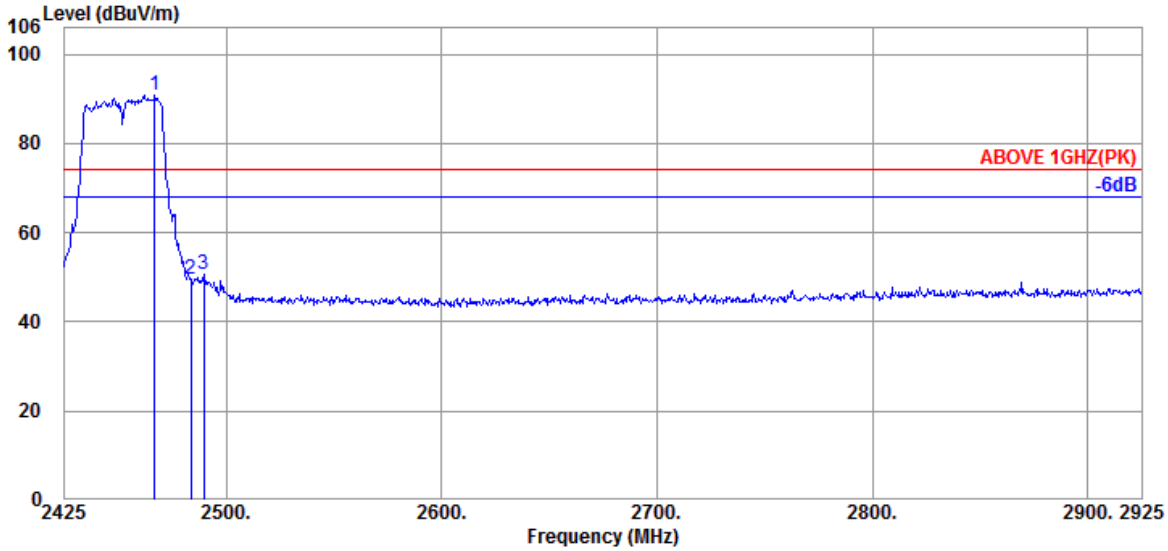
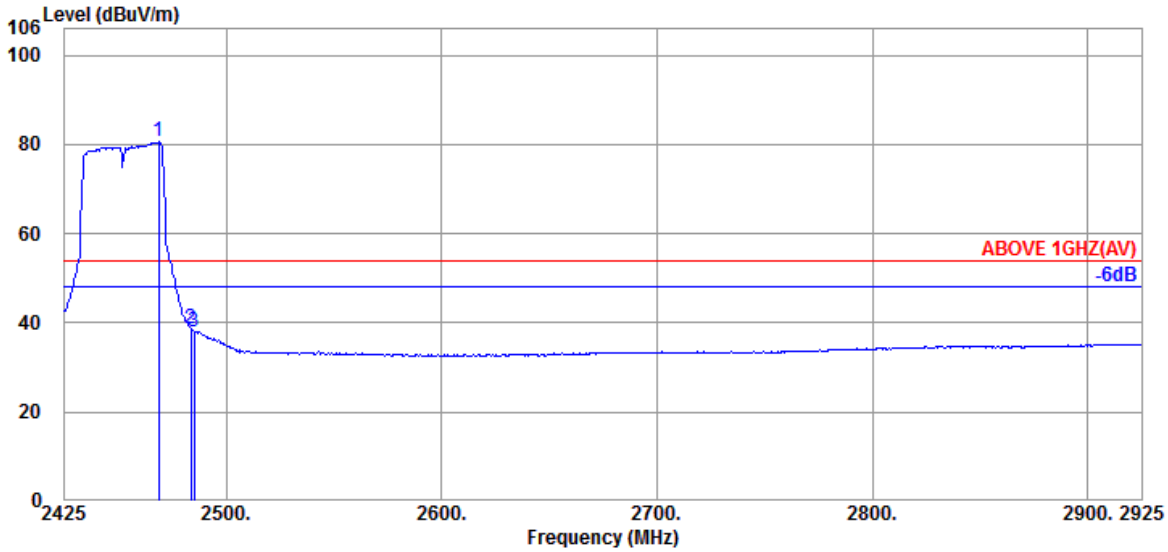
Mode	802.11n-HT40	Frequency	TX 2452MHz



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
@	2467.000	32.06	8.57	34.60	84.72	90.75	---	---	Peak
	2483.500	32.14	8.58	34.61	43.54	49.65	74.00	24.35	Peak
	2489.500	32.17	8.59	34.61	44.47	50.62	74.00	23.38	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
@	2468.500	32.09	8.57	34.60	74.50	80.56	---	---	Average
	2483.500	32.14	8.58	34.61	32.49	38.60	54.00	15.40	Average
	2485.000	32.14	8.58	34.61	31.98	38.09	54.00	15.91	Average

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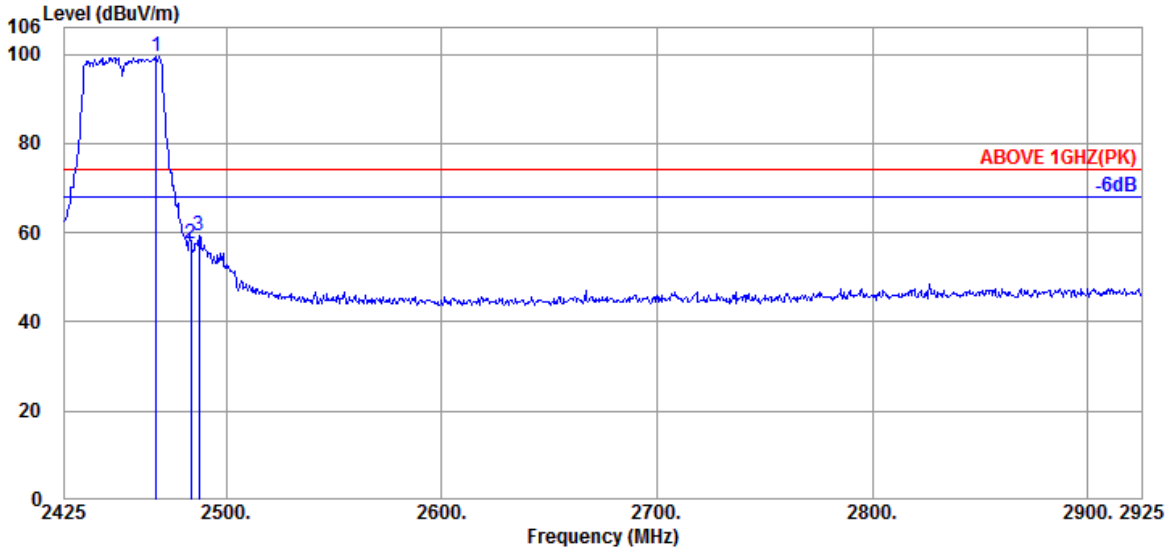
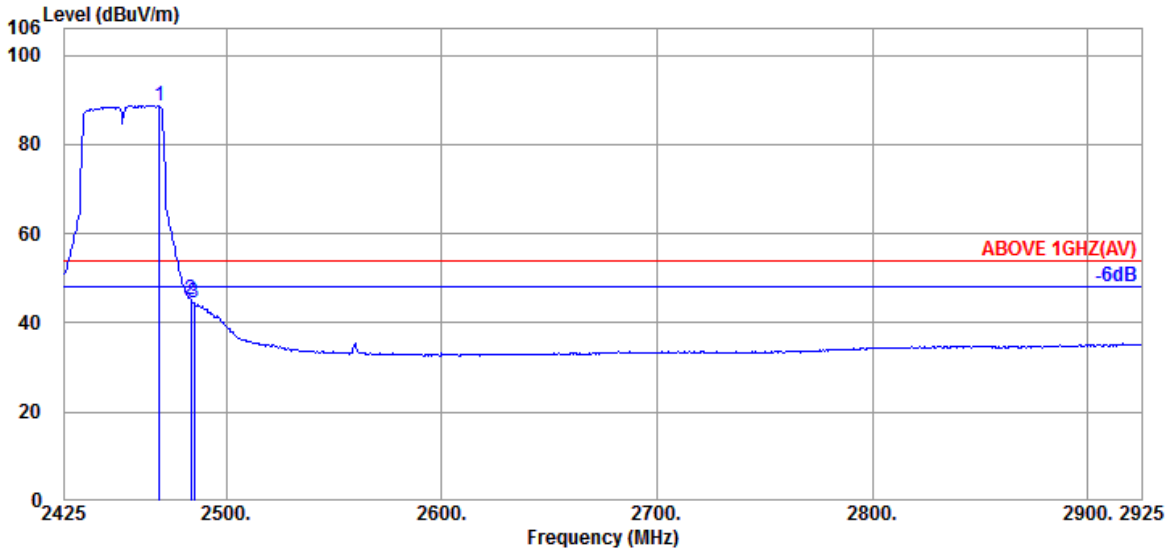
Mode	802.11n-HT40	Frequency	TX 2452MHz



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
@	2467.500	32.06	8.57	34.60	93.40	99.43	---	---	Peak
	2483.500	32.14	8.58	34.61	51.51	57.62	74.00	16.38	Peak
	2487.500	32.14	8.59	34.61	53.30	59.42	74.00	14.58	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
@	2469.000	32.09	8.57	34.60	82.73	88.79	---	---	Average
	2483.500	32.14	8.58	34.61	39.01	45.12	54.00	8.88	Average
	2485.000	32.14	8.58	34.61	38.29	44.40	54.00	9.60	Average

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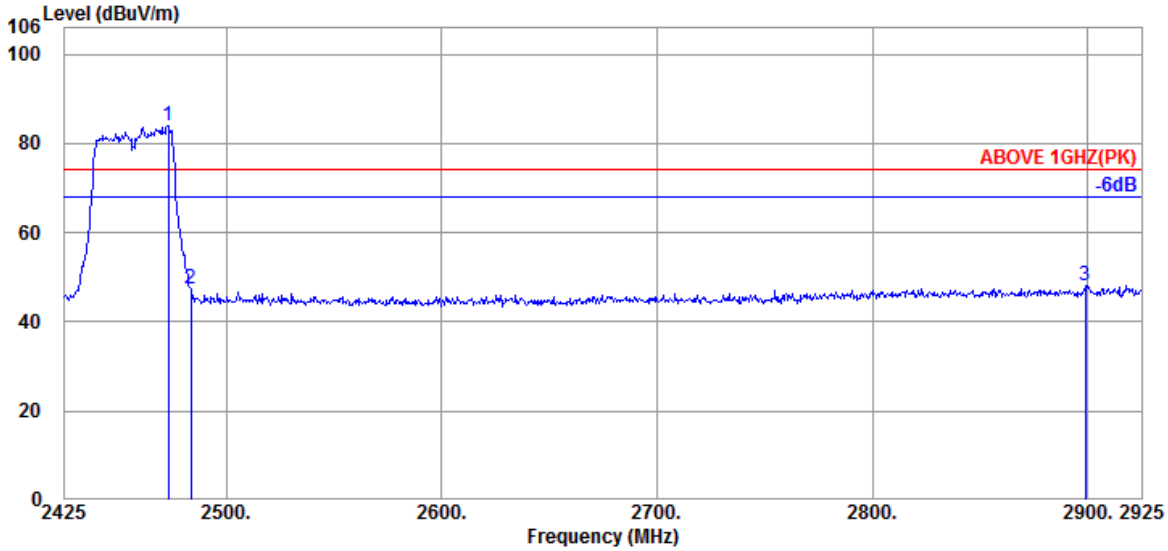
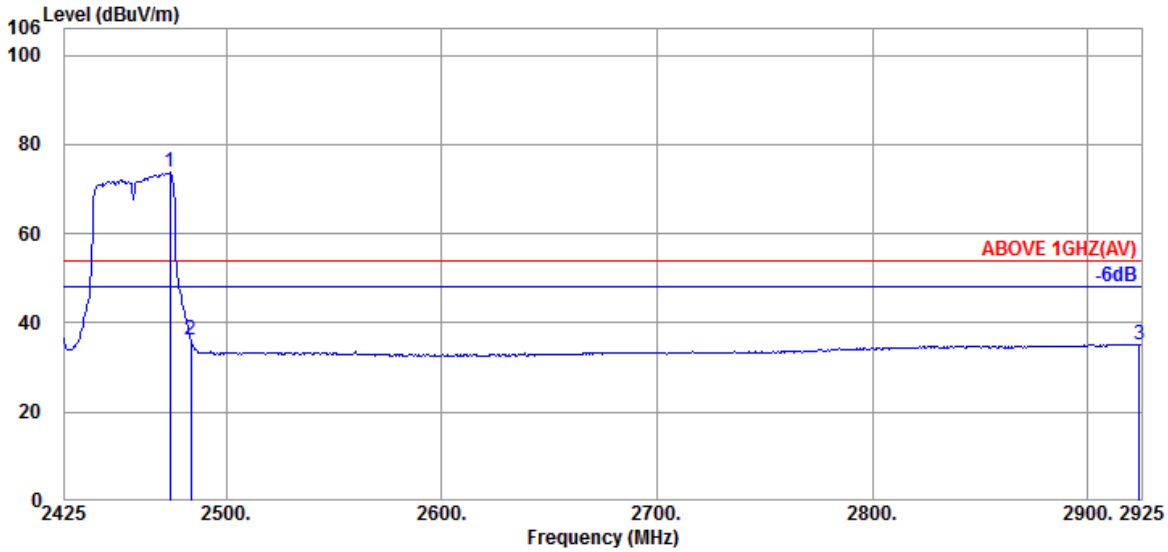
Mode	802.11n-HT40	Frequency	TX 2457MHz



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
@	2473.000	32.09	8.58	34.60	77.80	83.87	---	---	Peak
	2483.500	32.14	8.58	34.61	41.25	47.36	74.00	26.64	Peak
	2899.000	32.80	8.69	34.68	41.40	48.21	74.00	25.79	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
@	2474.000	32.09	8.58	34.60	67.64	73.71	---	---	Average
	2483.500	32.14	8.58	34.61	30.05	36.16	54.00	17.84	Average
	2924.000	32.90	8.69	34.69	28.33	35.23	54.00	18.77	Average

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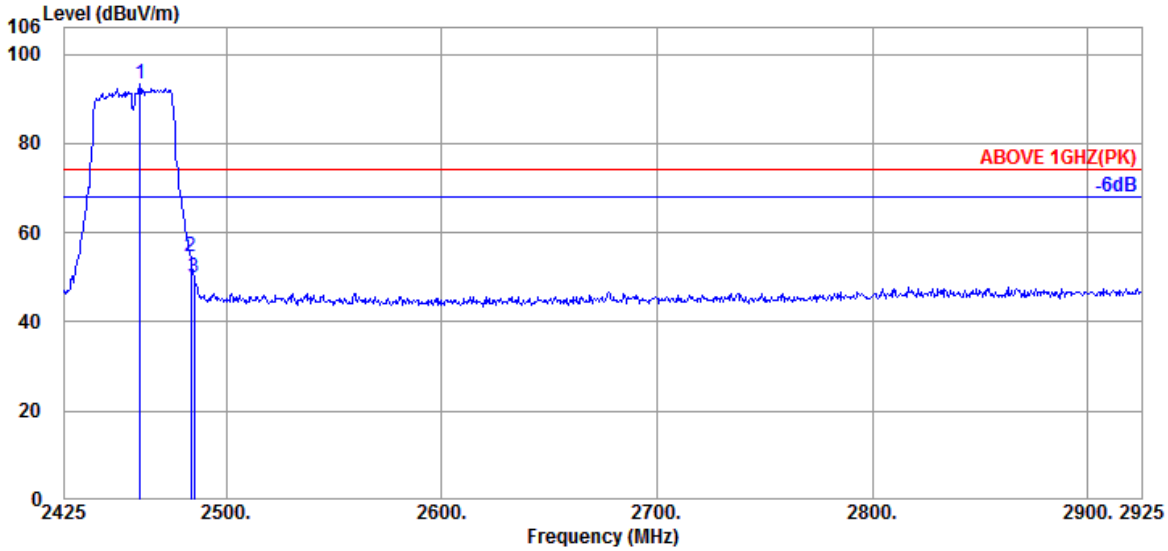
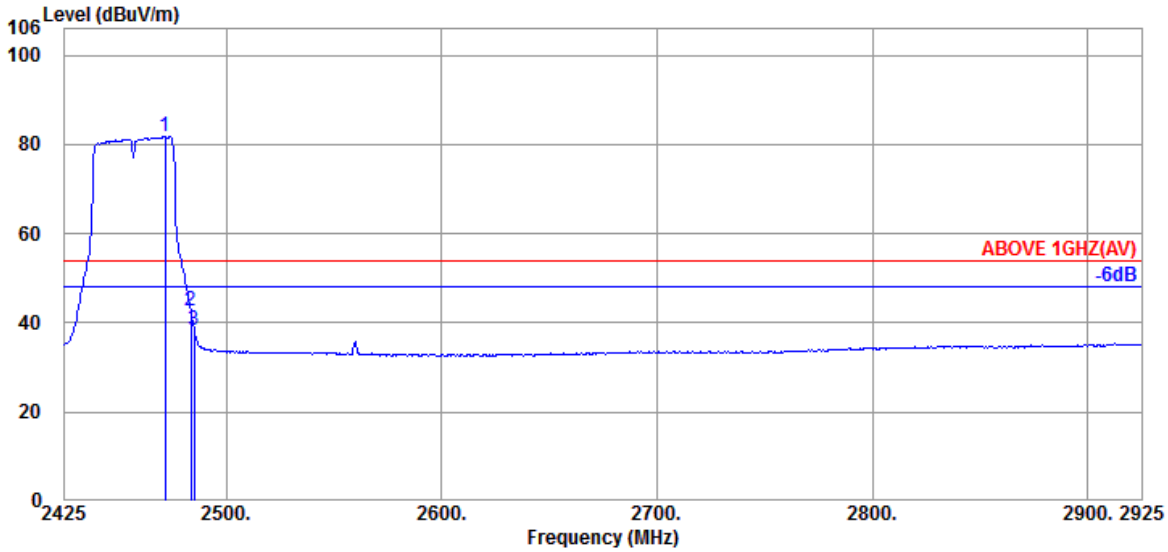
Mode	802.11n-HT40	Frequency	TX 2457MHz



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
@	2460.000	32.03	8.57	34.60	87.17	93.17	---	---	Peak
	2483.500	32.14	8.58	34.61	48.62	54.73	74.00	19.27	Peak
	2485.000	32.14	8.58	34.61	43.89	50.00	74.00	24.00	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
@	2471.500	32.09	8.58	34.60	75.64	81.71	---	---	Average
	2483.500	32.14	8.58	34.61	36.42	42.53	54.00	11.47	Average
	2485.000	32.14	8.58	34.61	32.29	38.40	54.00	15.60	Average

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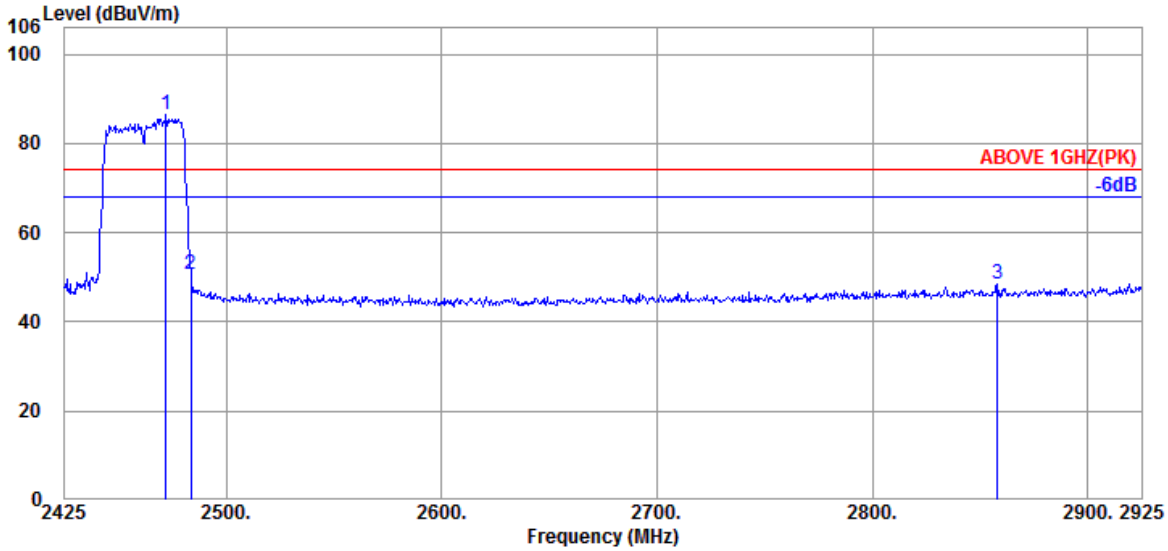
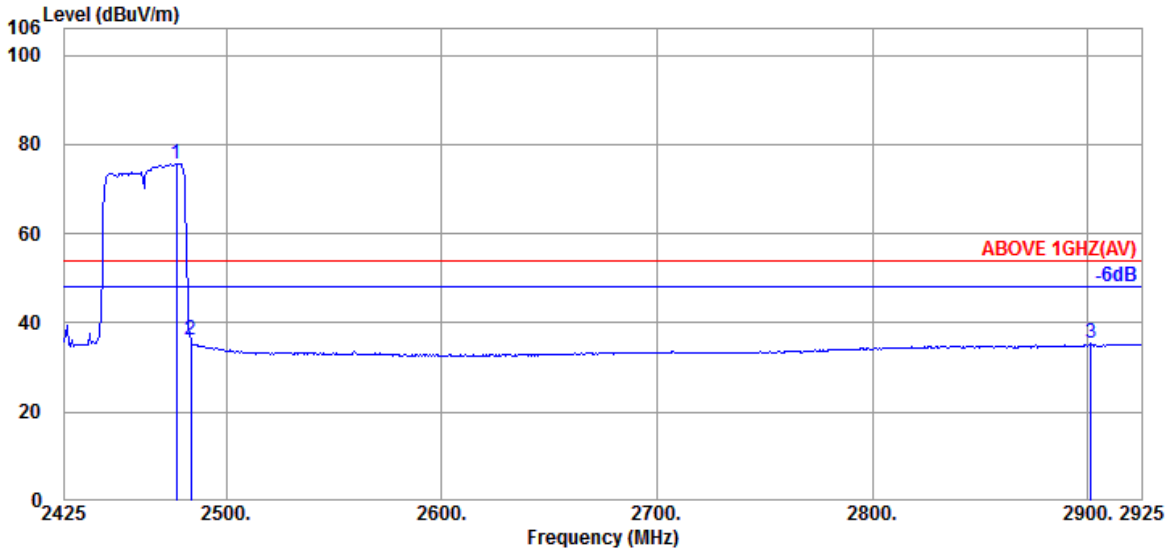
Mode	802.11n-HT40	Frequency	TX 2462MHz



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
@	2472.000	32.09	8.58	34.60	80.53	86.60	---	---	Peak
	2483.500	32.14	8.58	34.61	44.45	50.56	74.00	23.44	Peak
	2858.000	33.05	8.67	34.68	41.51	48.55	74.00	25.45	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
@	2477.000	32.11	8.58	34.60	69.63	75.72	---	---	Average
	2483.500	32.14	8.58	34.61	30.10	36.21	54.00	17.79	Average
	2901.500	32.83	8.69	34.68	28.46	35.30	54.00	18.70	Average

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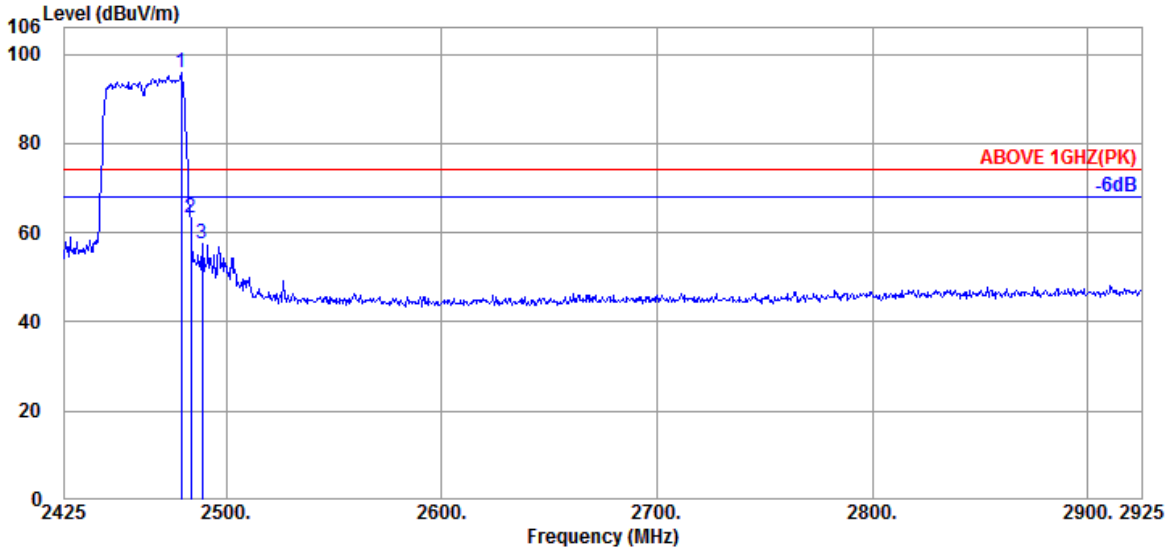
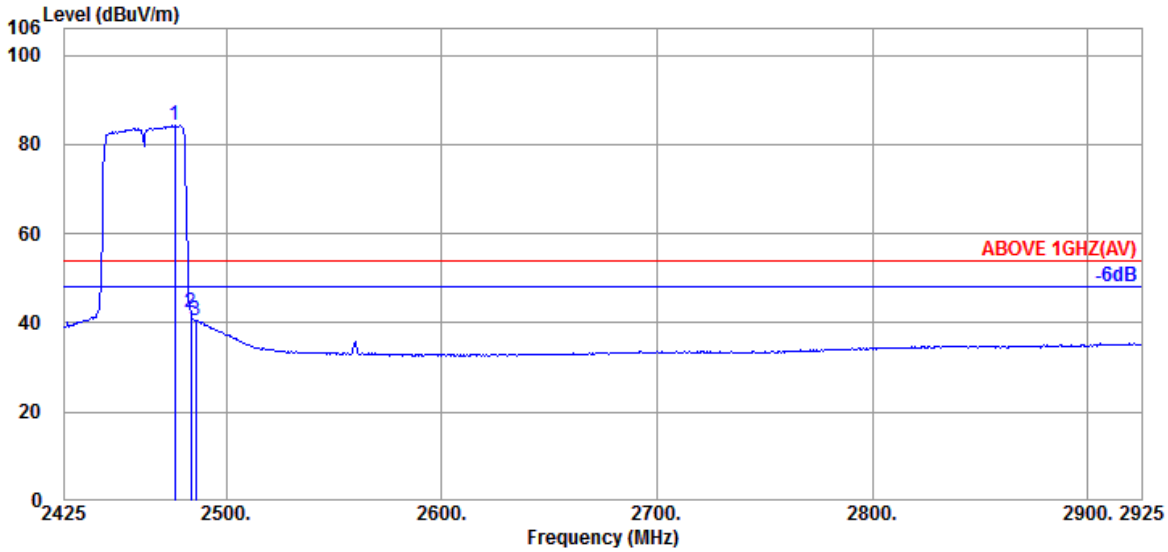
Mode	802.11n-HT40	Frequency	TX 2462MHz



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
@	2479.000	32.11	8.58	34.60	89.85	95.94	---	---	Peak
	2483.500	32.14	8.58	34.61	57.14	63.25	74.00	10.75	Peak
	2489.000	32.14	8.59	34.61	51.41	57.53	74.00	16.47	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
@	2476.000	32.11	8.58	34.60	78.14	84.23	---	---	Average
	2483.500	32.14	8.58	34.61	36.39	42.50	54.00	11.50	Average
	2486.000	32.14	8.58	34.61	34.39	40.50	54.00	13.50	Average

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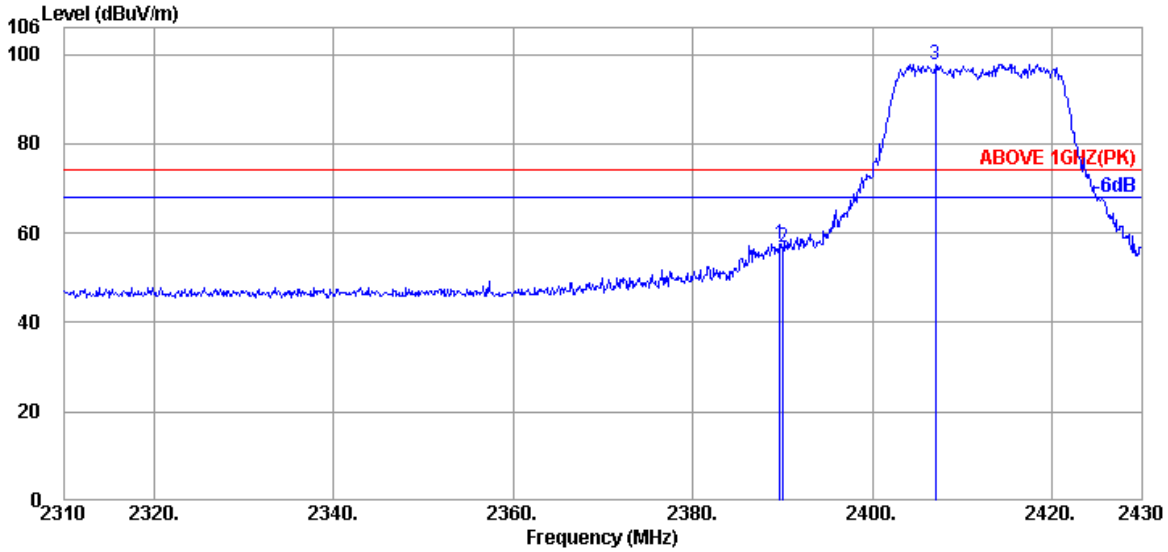
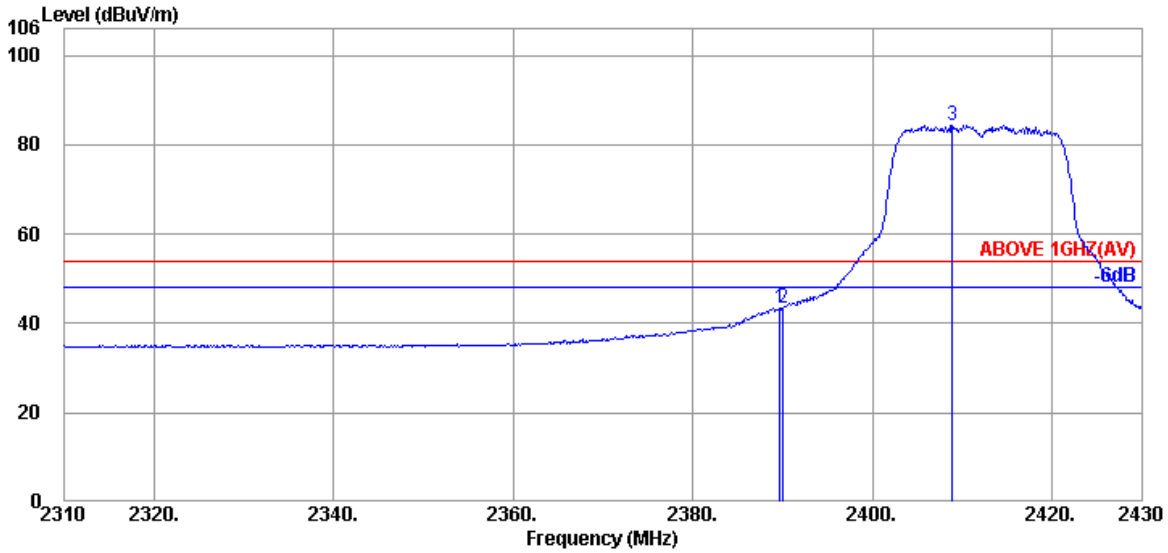
Mode	802.11ax-HE20	Frequency	TX 2412MHz



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
	2389.680	32.44	8.52	34.58	51.08	57.46	74.00	16.54	Peak
	2390.040	32.44	8.52	34.58	50.40	56.78	74.00	17.22	Peak
@	2407.080	32.43	8.53	34.59	91.48	97.85	---	---	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
	2389.680	32.44	8.52	34.58	37.05	43.43	54.00	10.57	Average
	2390.040	32.44	8.52	34.58	37.15	43.53	54.00	10.47	Average
@	2408.880	32.43	8.53	34.59	77.92	84.29	---	---	Average

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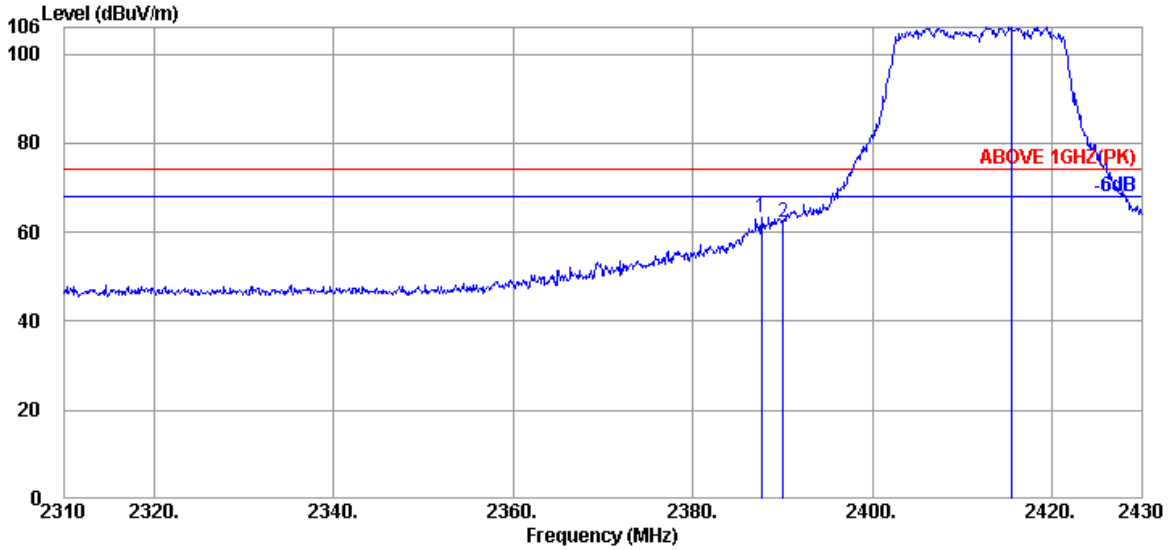
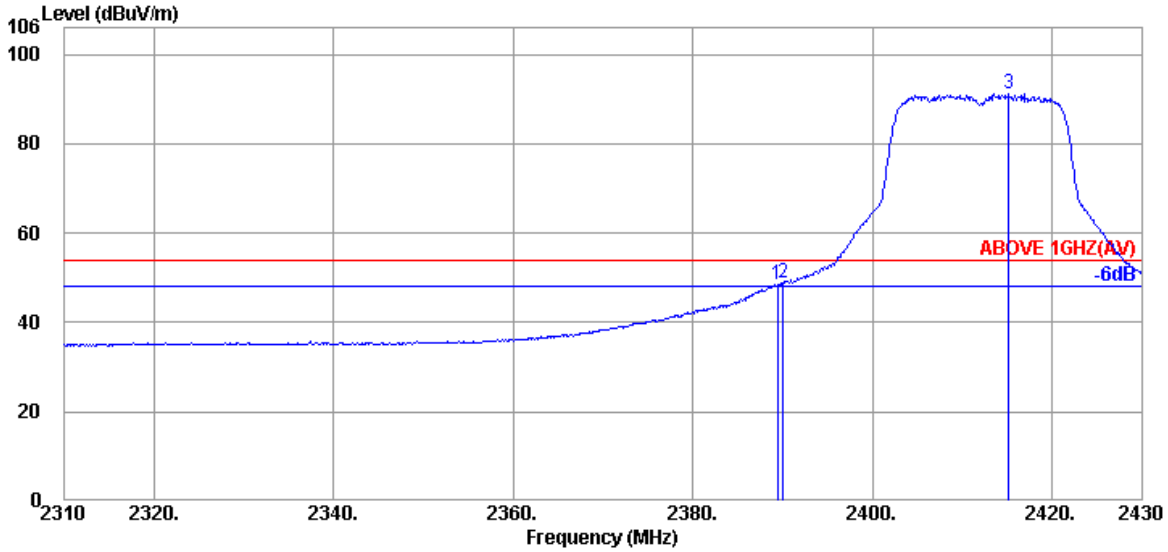
Mode	802.11ax-HE20	Frequency	TX 2412MHz



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
	2387.640	32.44	8.52	34.58	57.02	63.40	74.00	10.60	Peak
	2390.040	32.44	8.52	34.58	56.03	62.41	74.00	11.59	Peak
@	2415.480	32.36	8.53	34.59	99.86	106.16	---	---	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
	2389.440	32.44	8.52	34.58	42.19	48.57	54.00	5.43	Average
	2390.040	32.44	8.52	34.58	42.40	48.78	54.00	5.22	Average
@	2415.240	32.36	8.53	34.59	84.95	91.25	---	---	Average

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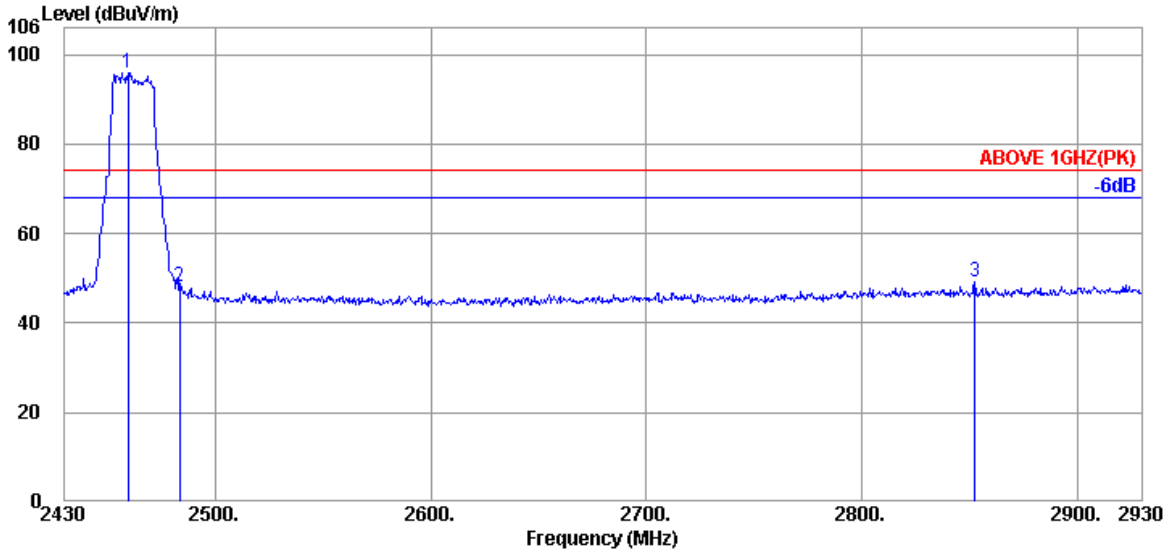
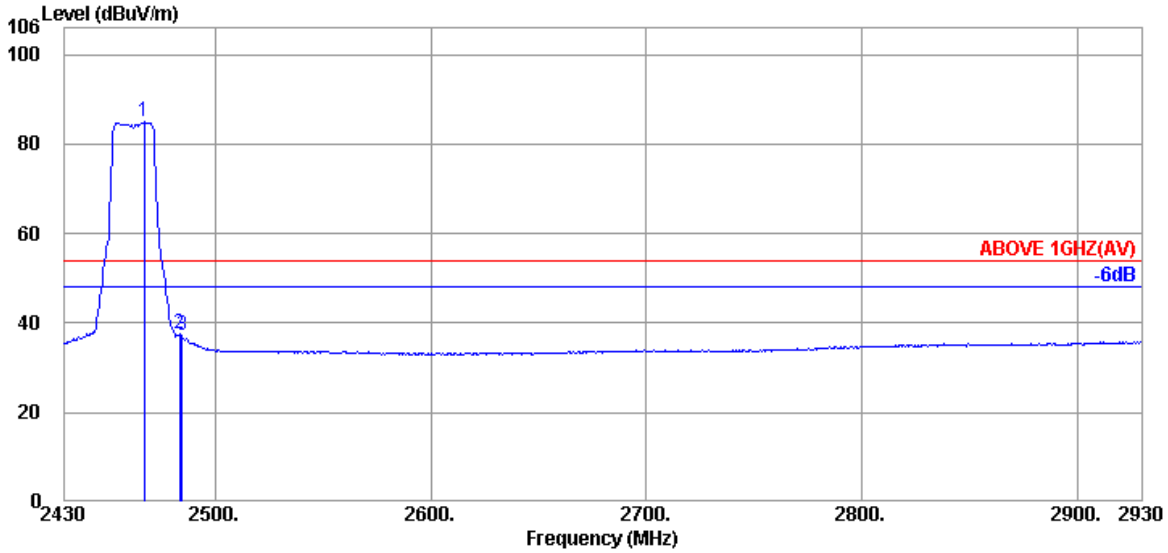
Mode	802.11ax-HE20	Frequency	TX 2462MHz



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
@	2459.500	32.03	8.57	34.60	90.03	96.03	---	---	Peak
	2483.500	32.14	8.58	34.61	41.91	48.02	74.00	25.98	Peak
	2852.500	33.05	8.67	34.68	41.98	49.02	74.00	24.98	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
@	2467.000	32.06	8.57	34.60	78.83	84.86	---	---	Average
	2483.500	32.14	8.58	34.61	31.45	37.56	54.00	16.44	Average
	2484.500	32.14	8.58	34.61	31.00	37.11	54.00	16.89	Average

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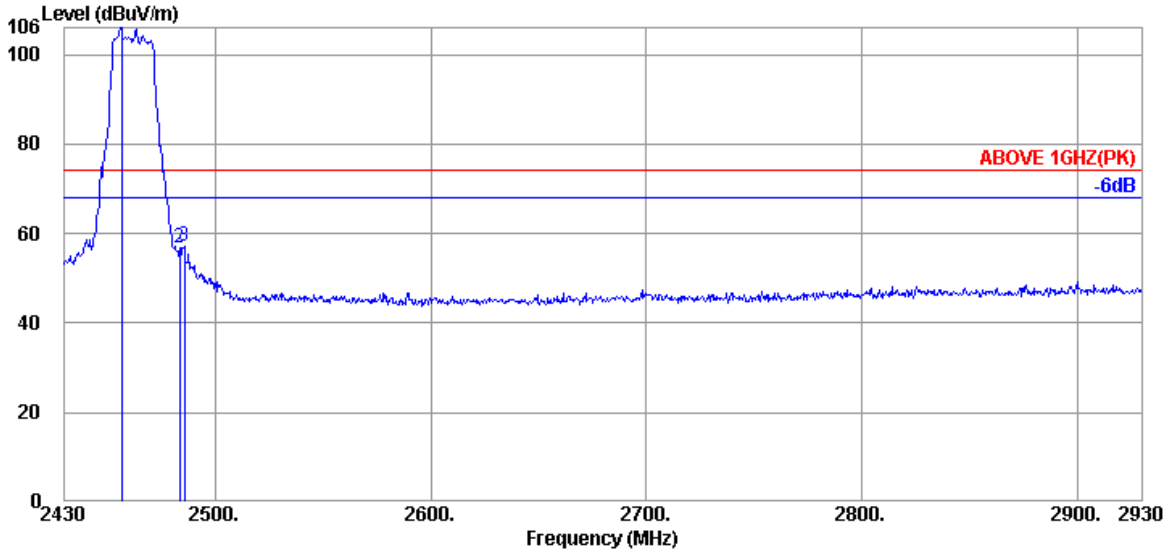
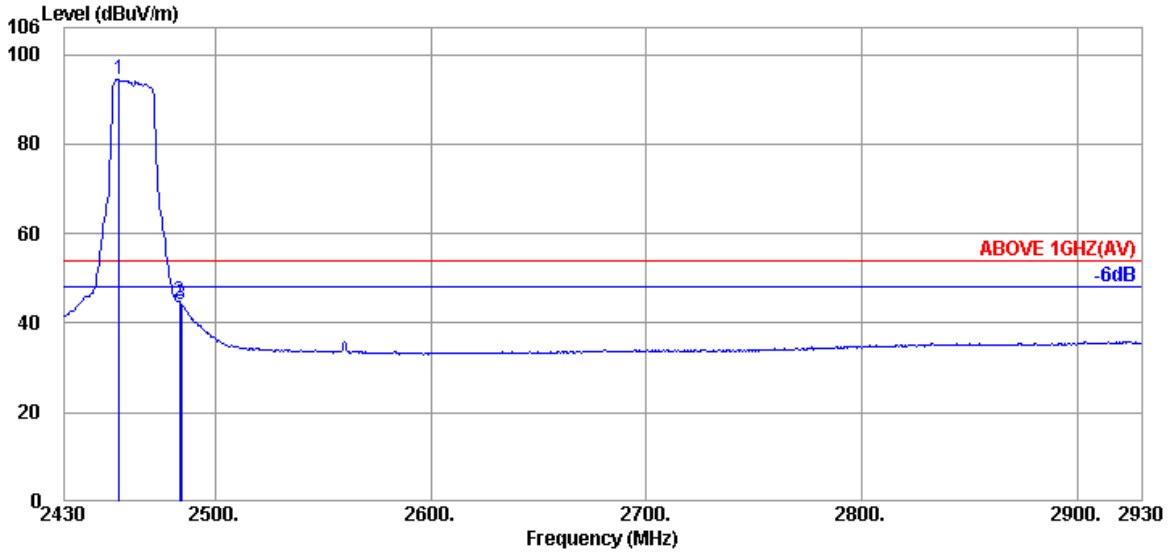
Mode	802.11ax-HE20	Frequency	TX 2462MHz



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
@	2456.500	32.03	8.57	34.60	100.70	106.70	---	---	Peak
	2483.500	32.14	8.58	34.61	50.77	56.88	74.00	17.12	Peak
	2485.500	32.14	8.58	34.61	50.96	57.07	74.00	16.93	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
@	2455.500	32.03	8.57	34.60	88.40	94.40	---	---	Average
	2483.500	32.14	8.58	34.61	38.83	44.94	54.00	9.06	Average
	2484.000	32.14	8.58	34.61	38.16	44.27	54.00	9.73	Average

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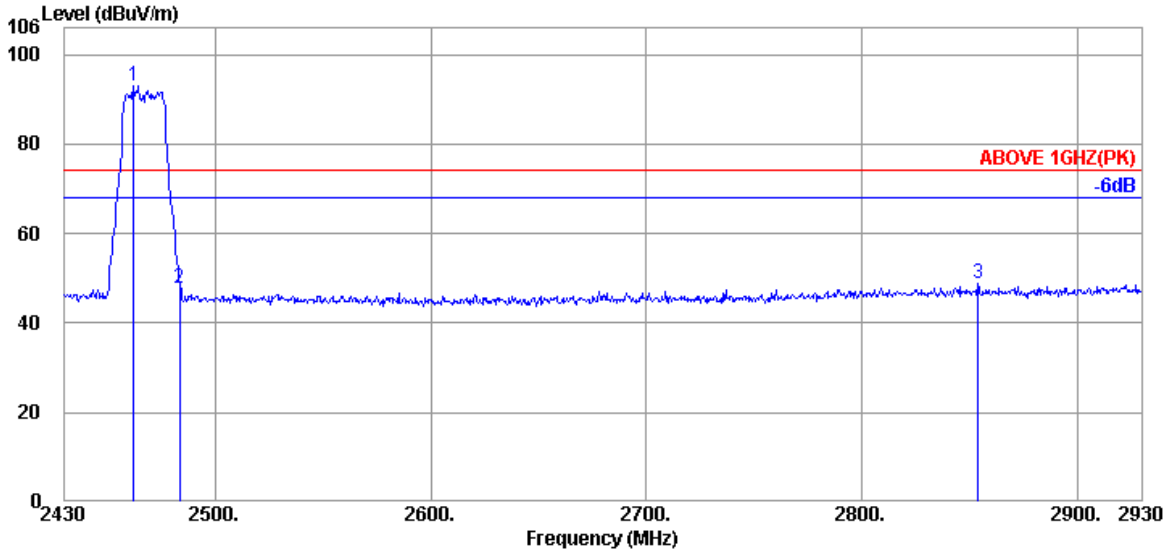
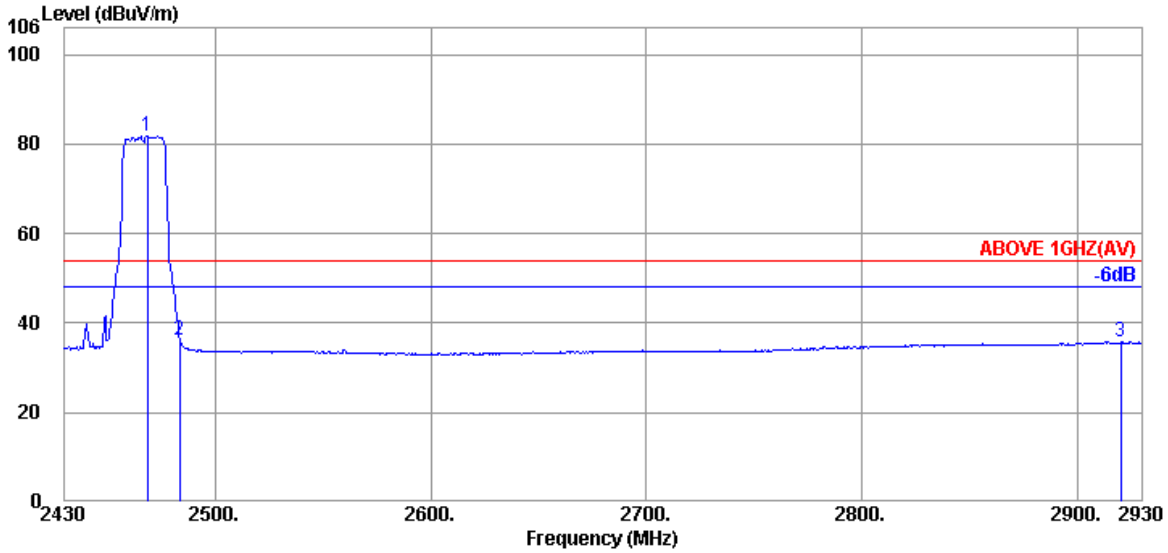
Mode	802.11ax-HE20	Frequency	TX 2467MHz



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
@	2462.000	32.06	8.57	34.60	86.93	92.96	---	---	Peak
	2483.500	32.14	8.58	34.61	41.73	47.84	74.00	26.16	Peak
	2854.000	33.05	8.67	34.68	41.66	48.70	74.00	25.30	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
@	2468.500	32.09	8.57	34.60	75.64	81.70	---	---	Average
	2483.500	32.14	8.58	34.61	30.03	36.14	54.00	17.86	Average
	2920.500	32.90	8.69	34.69	28.90	35.80	54.00	18.20	Average

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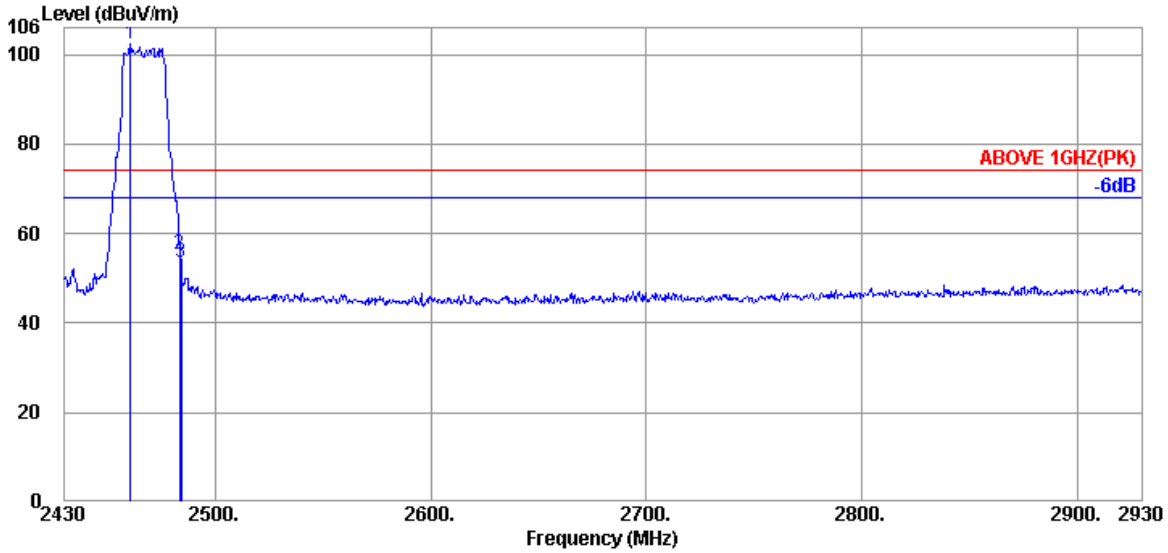
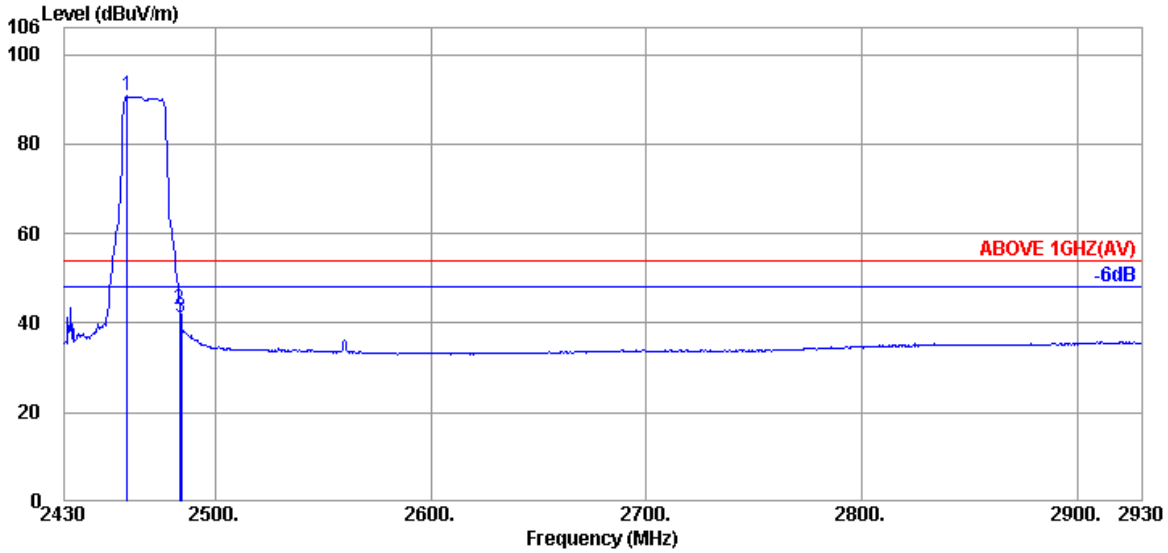
Mode	802.11ax-HE20	Frequency	TX 2467MHz



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
@	2460.500	32.06	8.57	34.60	96.18	102.21	---	---	Peak
	2483.500	32.14	8.58	34.61	49.16	55.27	74.00	18.73	Peak
	2484.000	32.14	8.58	34.61	47.50	53.61	74.00	20.39	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
@	2459.000	32.03	8.57	34.60	84.64	90.64	---	---	Average
	2483.500	32.14	8.58	34.61	37.04	43.15	54.00	10.85	Average
	2484.000	32.14	8.58	34.61	34.96	41.07	54.00	12.93	Average

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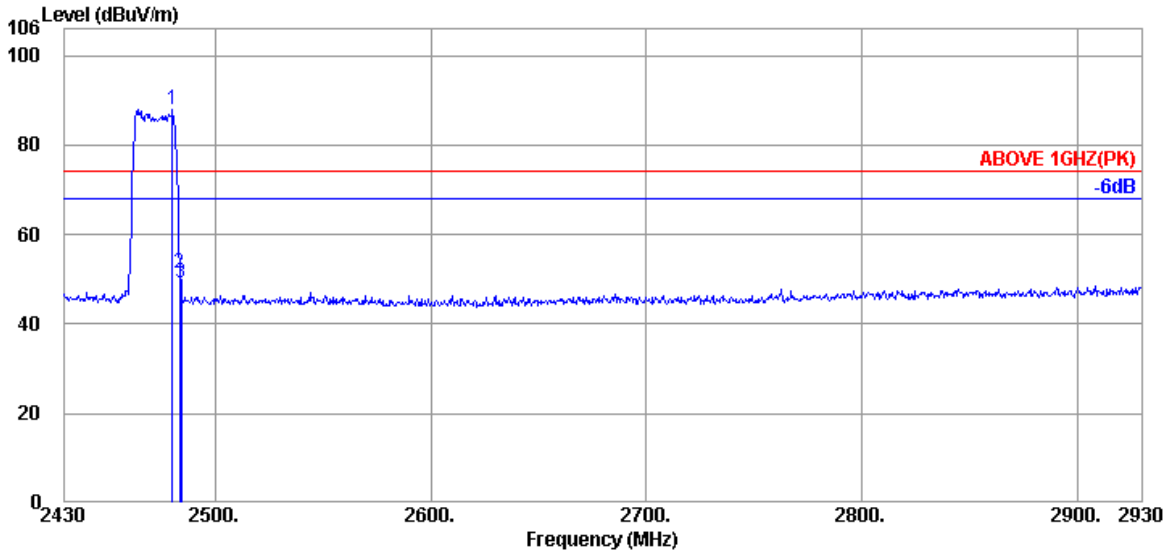
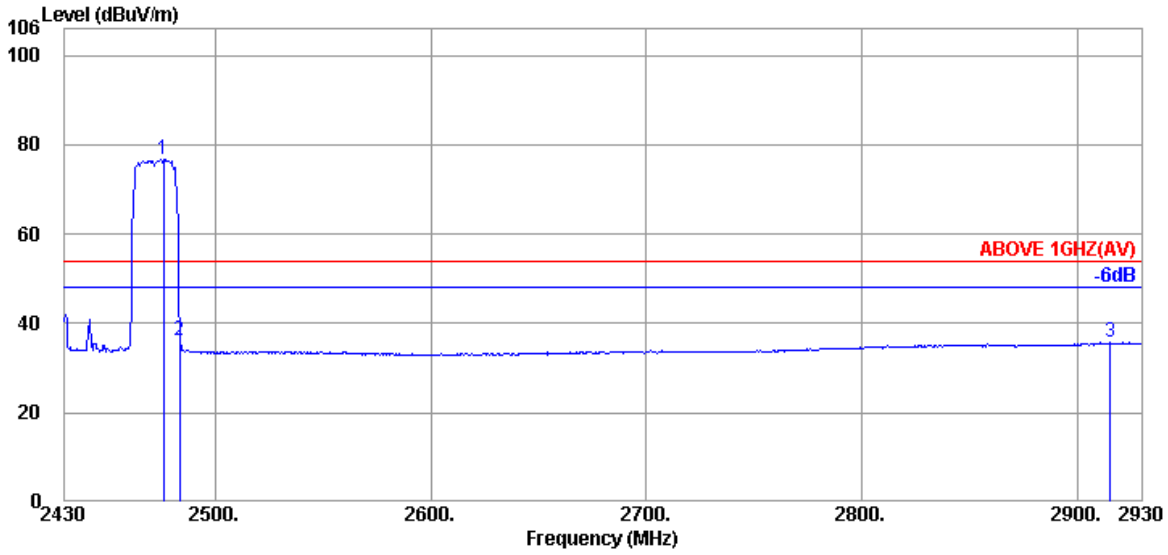
Mode	802.11ax-HE20	Frequency	TX 2472MHz



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
@	2480.000	32.11	8.58	34.60	81.84	87.93	---	---	Peak
	2483.500	32.14	8.58	34.61	45.33	51.44	74.00	22.56	Peak
	2484.000	32.14	8.58	34.61	42.94	49.05	74.00	24.95	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
@	2476.000	32.11	8.58	34.60	70.59	76.68	---	---	Average
	2483.500	32.14	8.58	34.61	29.95	36.06	54.00	17.94	Average
	2915.500	32.87	8.69	34.69	28.96	35.83	54.00	18.17	Average

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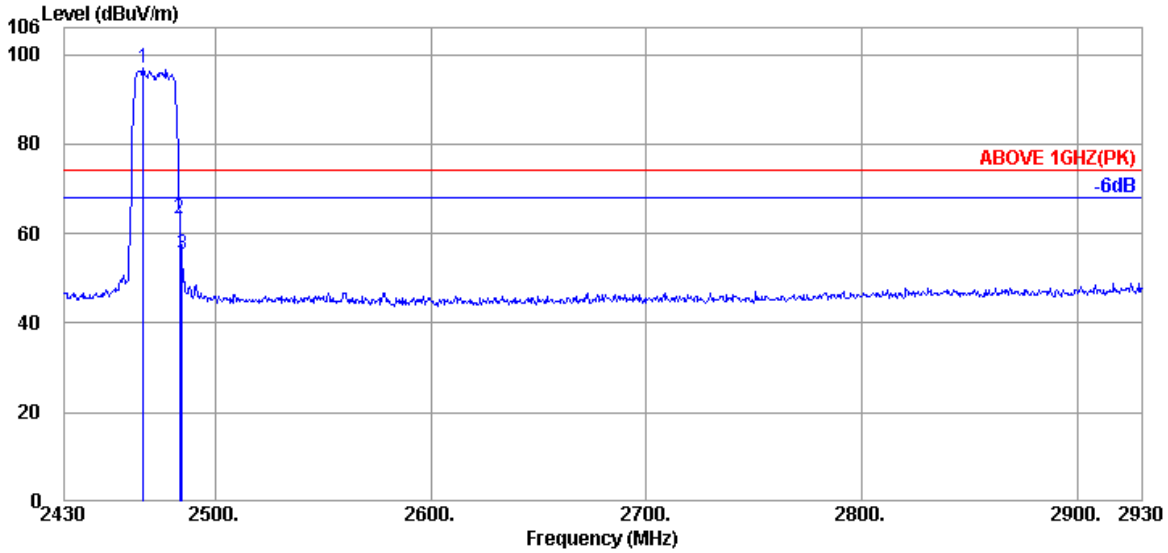
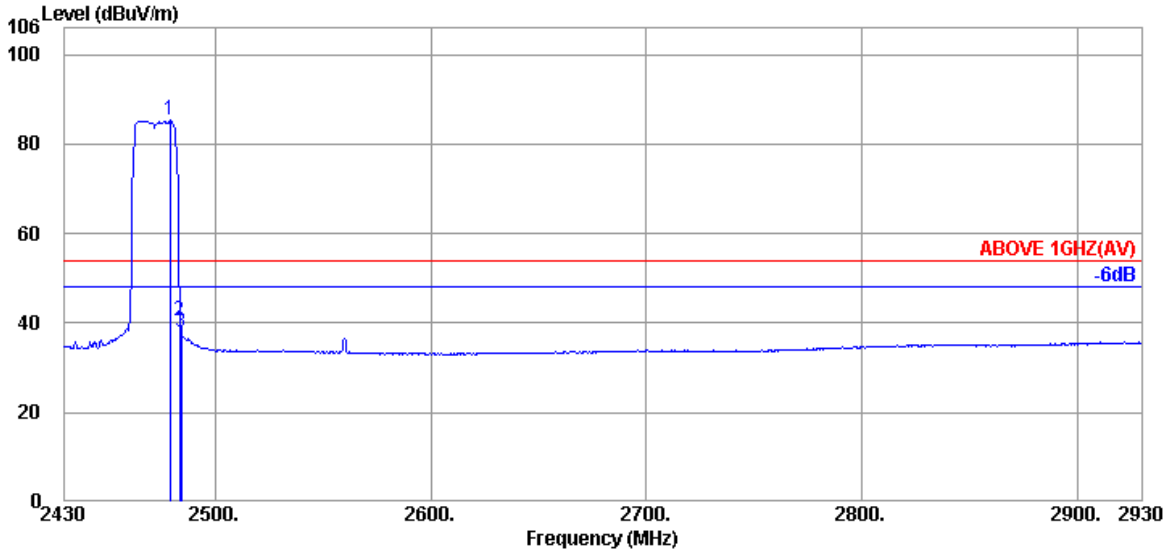
Mode	802.11ax-HE20	Frequency	TX 2472MHz



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
@	2466.500	32.06	8.57	34.60	91.10	97.13	---	---	Peak
	2483.500	32.14	8.58	34.61	57.07	63.18	74.00	10.82	Peak
	2484.500	32.14	8.58	34.61	49.37	55.48	74.00	18.52	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
@	2479.000	32.11	8.58	34.60	79.23	85.32	---	---	Average
	2483.500	32.14	8.58	34.61	34.57	40.68	54.00	13.32	Average
	2484.000	32.14	8.58	34.61	31.73	37.84	54.00	16.16	Average

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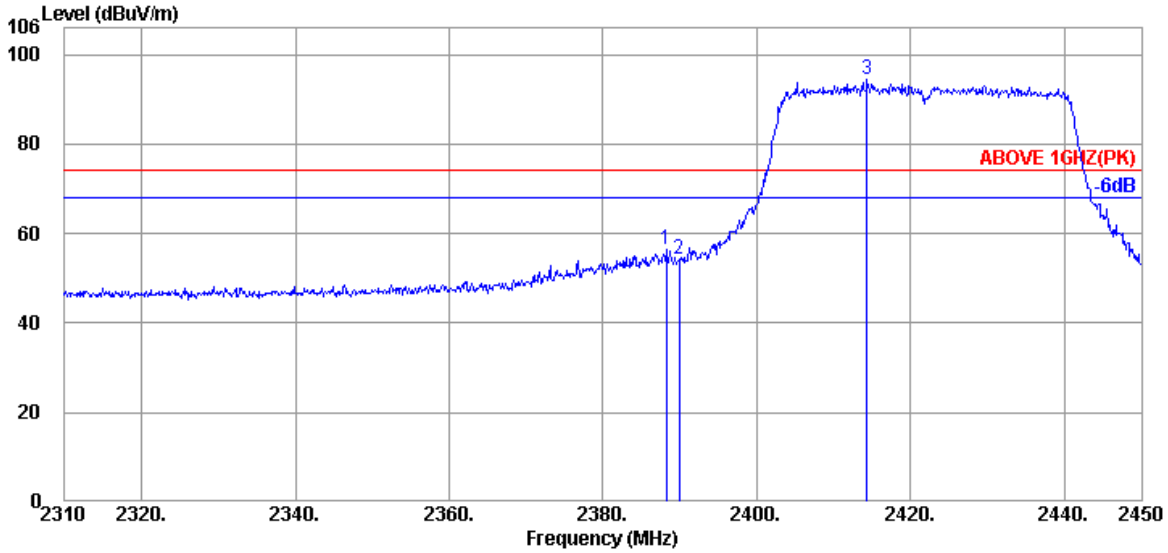
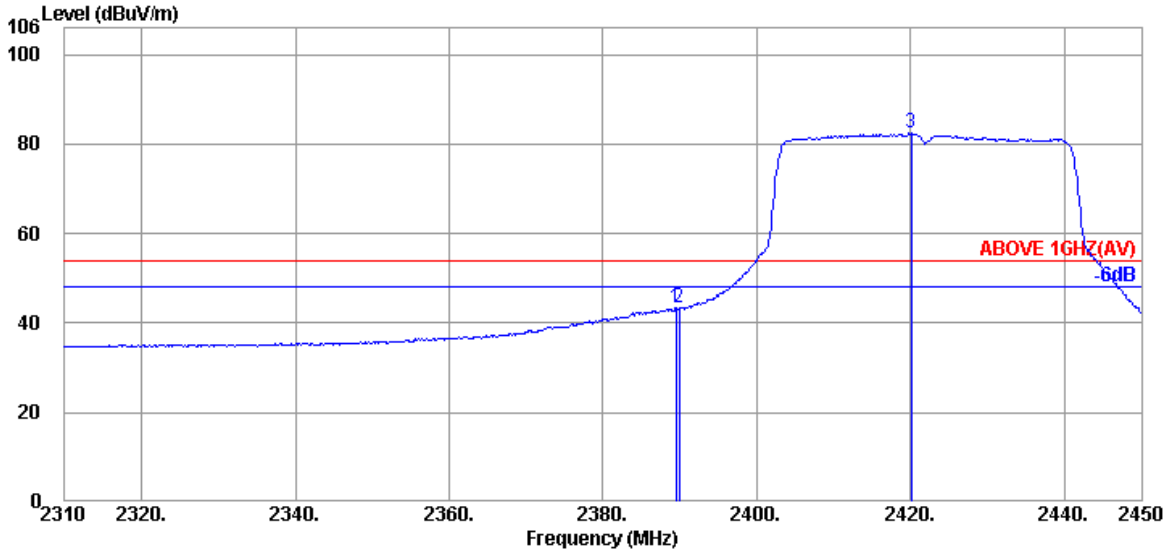
Mode	802.11ax-HE40	Frequency	TX 2422MHz



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
	2388.260	32.44	8.52	34.58	50.10	56.48	74.00	17.52	Peak
	2389.940	32.44	8.52	34.58	47.77	54.15	74.00	19.85	Peak
@	2414.300	32.36	8.53	34.59	88.03	94.33	---	---	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
	2389.520	32.44	8.52	34.58	36.97	43.35	54.00	10.65	Average
	2389.940	32.44	8.52	34.58	36.88	43.26	54.00	10.74	Average
@	2420.040	32.29	8.54	34.59	76.12	82.36	---	---	Average

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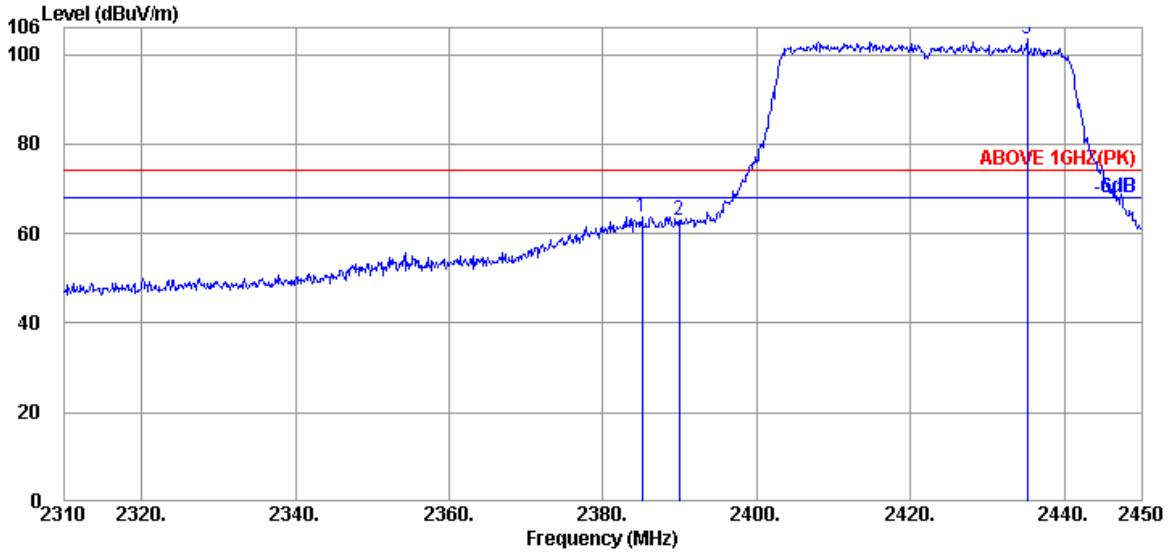
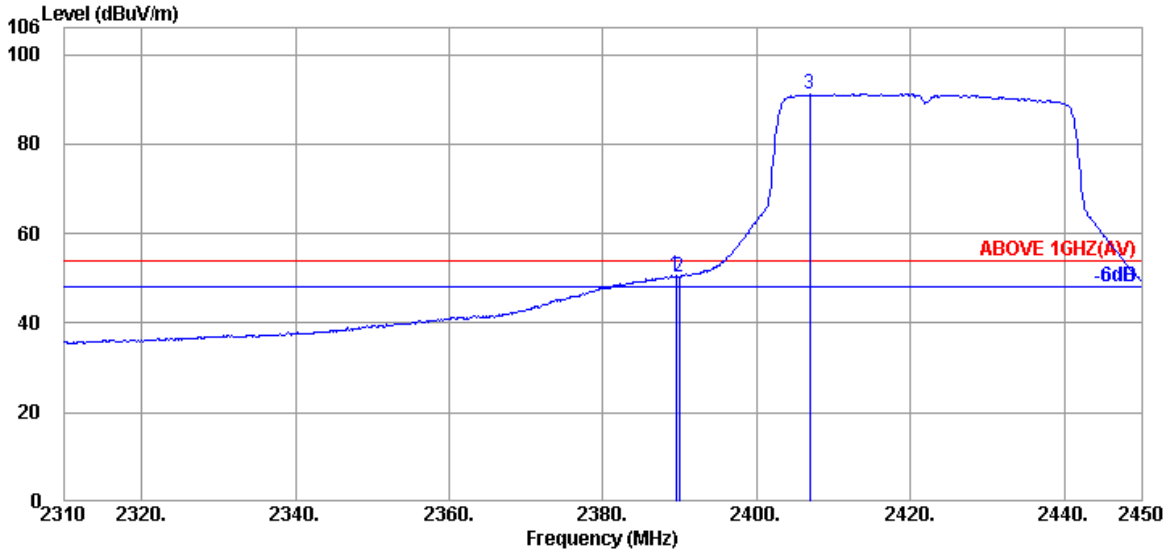
Mode	802.11ax-HE40	Frequency	TX 2422MHz



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
	2385.040	32.44	8.51	34.58	57.46	63.83	74.00	10.17	Peak
	2389.940	32.44	8.52	34.58	56.50	62.88	74.00	11.12	Peak
@	2435.160	32.14	8.54	34.59	97.25	103.34	---	---	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
	2389.520	32.44	8.52	34.58	44.20	50.58	54.00	3.42	Average
	2389.940	32.44	8.52	34.58	43.98	50.36	54.00	3.64	Average
@	2406.880	32.43	8.53	34.59	84.88	91.25	---	---	Average

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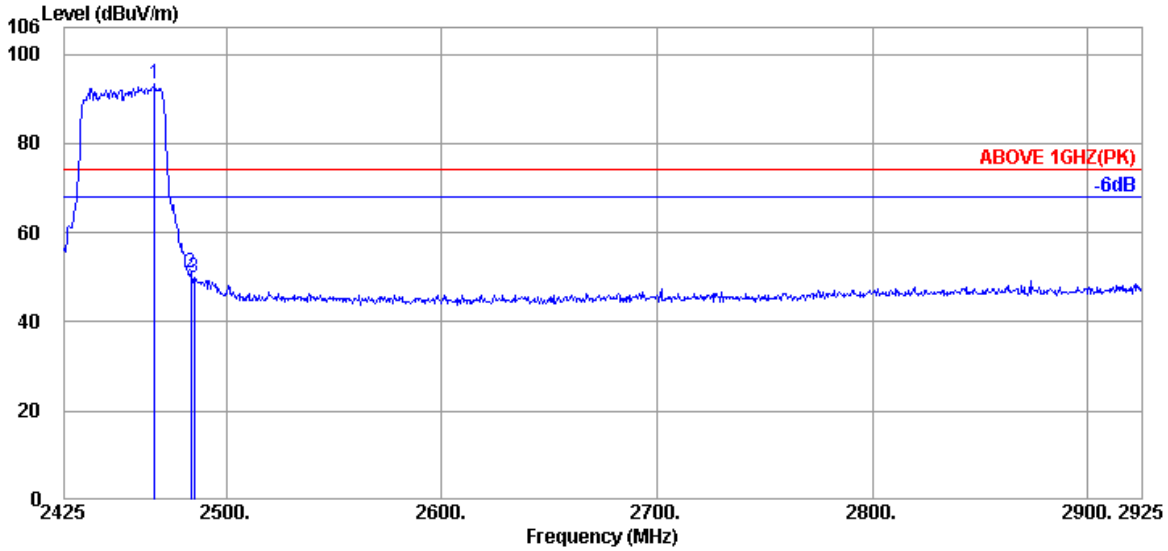
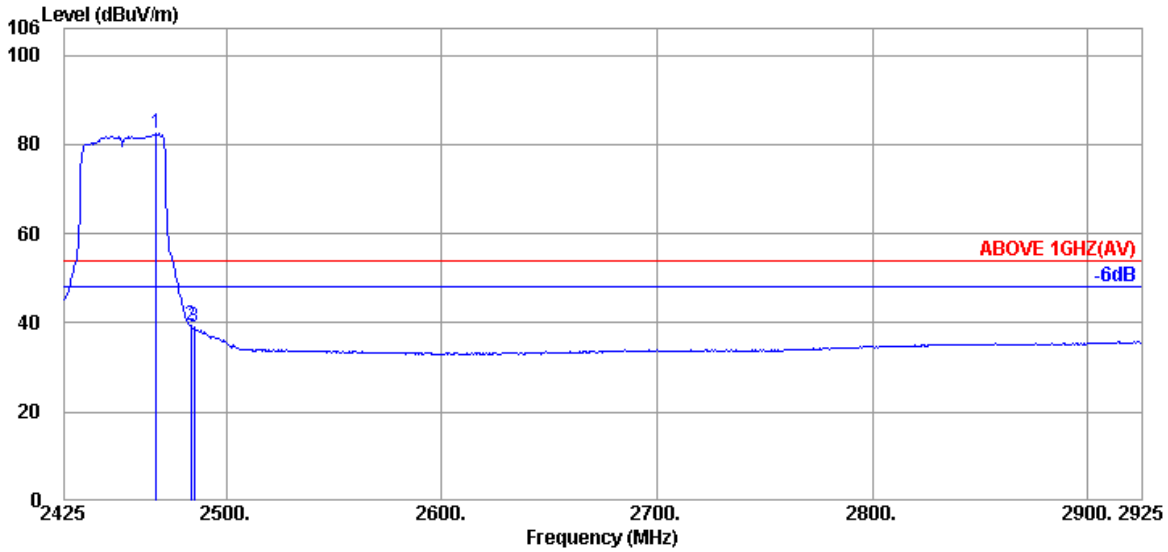
Mode	802.11ax-HE40	Frequency	TX 2452MHz



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
@	2467.000	32.06	8.57	34.60	87.24	93.27	---	---	Peak
	2483.500	32.14	8.58	34.61	44.96	51.07	74.00	22.93	Peak
	2485.000	32.14	8.58	34.61	43.75	49.86	74.00	24.14	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
@	2467.500	32.06	8.57	34.60	76.36	82.39	---	---	Average
	2483.500	32.14	8.58	34.61	33.18	39.29	54.00	14.71	Average
	2485.000	32.14	8.58	34.61	32.79	38.90	54.00	15.10	Average

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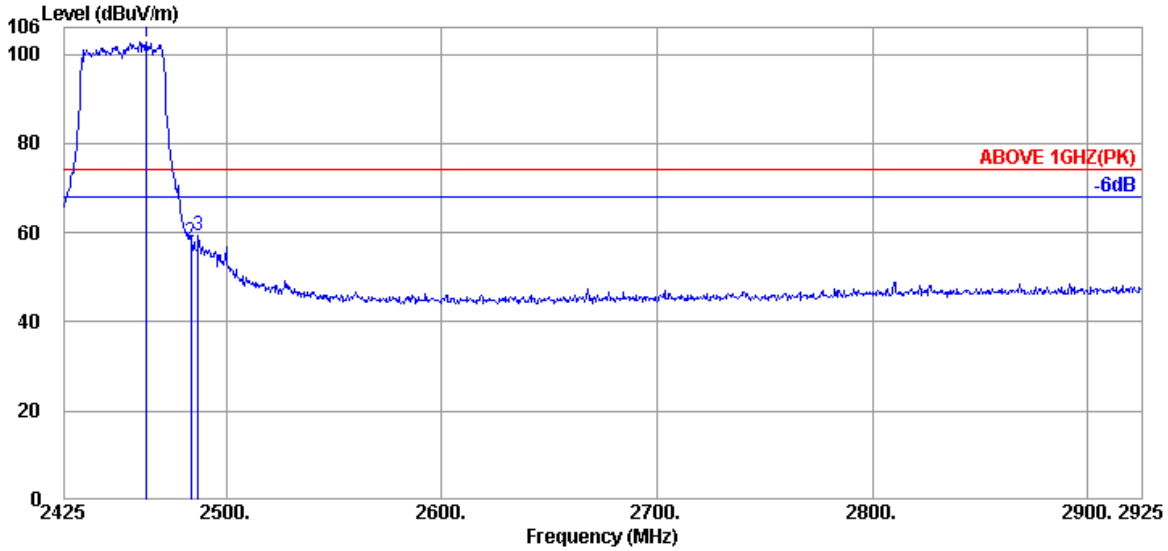
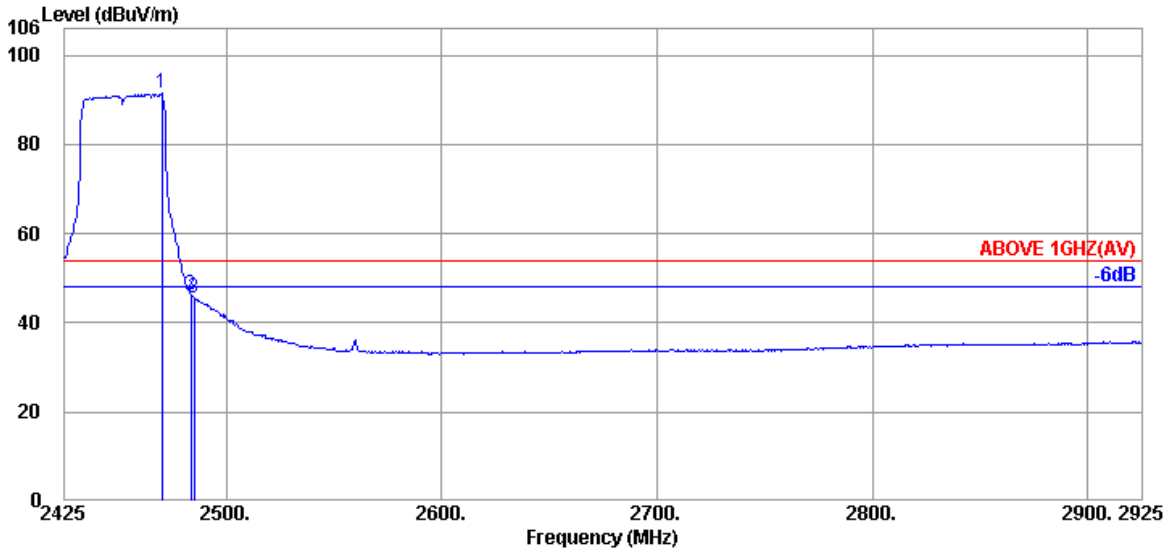
Mode	802.11ax-HE40	Frequency	TX 2452MHz



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
@	2463.000	32.06	8.57	34.60	96.87	102.90	---	---	Peak
	2483.500	32.14	8.58	34.61	51.74	57.85	74.00	16.15	Peak
	2487.000	32.14	8.58	34.61	53.23	59.34	74.00	14.66	Peak



Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Detector
@	2470.000	32.09	8.57	34.60	85.32	91.38	---	---	Average
	2483.500	32.14	8.58	34.61	40.06	46.17	54.00	7.83	Average
	2485.000	32.14	8.58	34.61	39.38	45.49	54.00	8.51	Average

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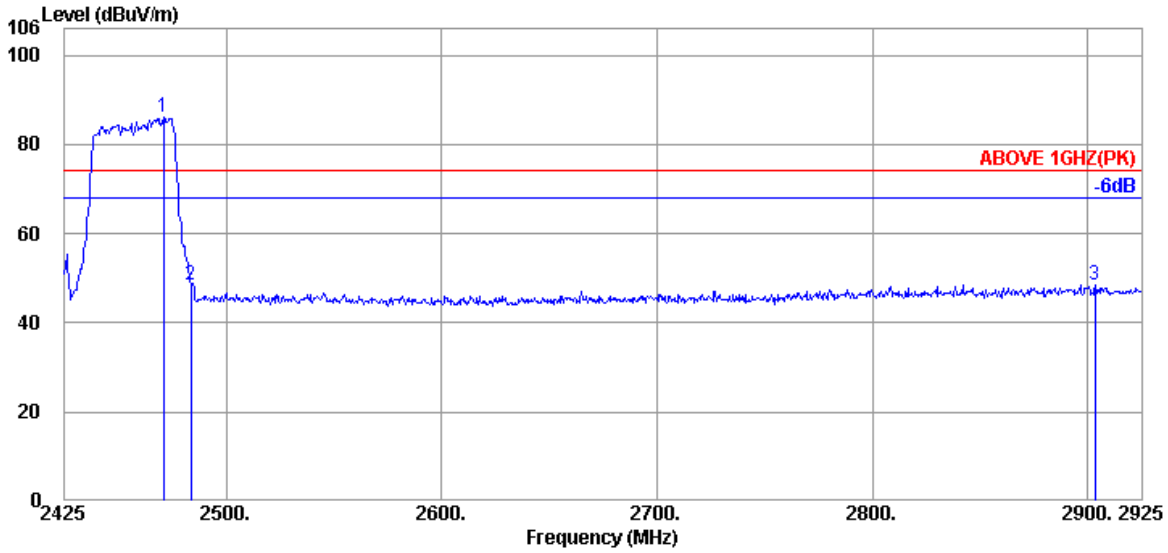
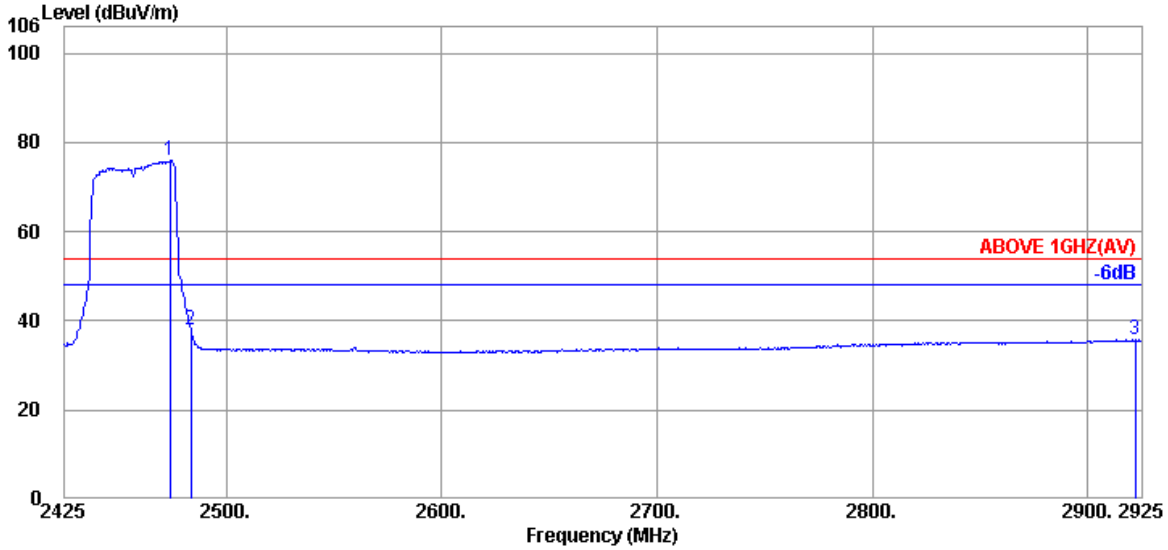
Mode	802.11ax-HE40	Frequency	TX 2457MHz



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
@	2471.000	32.09	8.58	34.60	79.88	85.95	---	---	Peak
	2483.500	32.14	8.58	34.61	42.48	48.59	74.00	25.41	Peak
	2903.500	32.83	8.69	34.68	41.72	48.56	74.00	25.44	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
@	2474.000	32.09	8.58	34.60	69.95	76.02	---	---	Average
	2483.500	32.14	8.58	34.61	31.74	37.85	54.00	16.15	Average
	2922.000	32.90	8.69	34.69	28.78	35.68	54.00	18.32	Average

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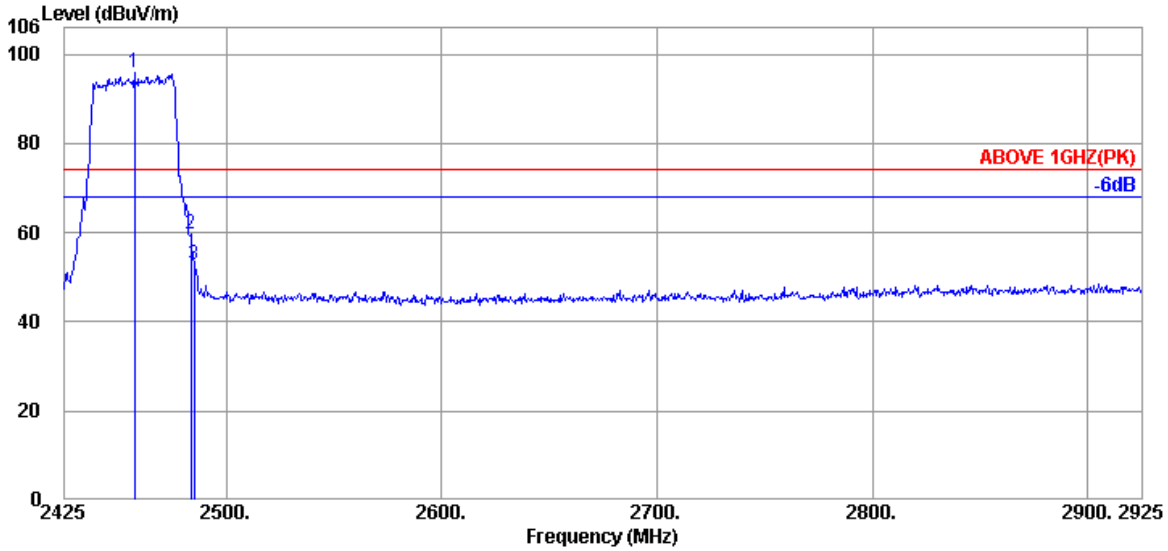
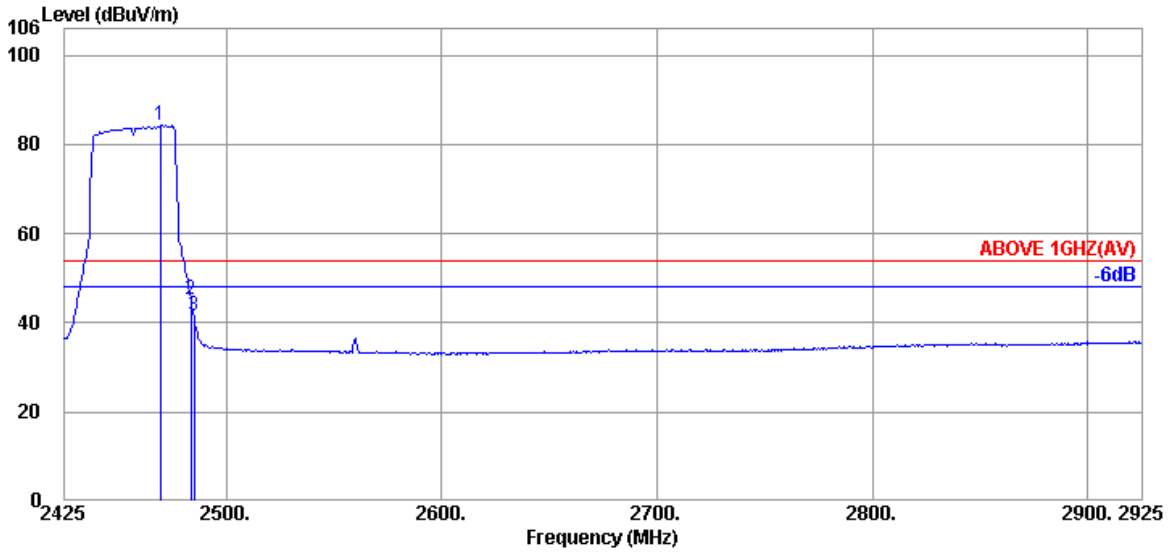
Mode	802.11ax-HE40	Frequency	TX 2457MHz



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
@	2457.500	32.03	8.57	34.60	89.95	95.95	---	---	Peak
	2483.500	32.14	8.58	34.61	53.56	59.67	74.00	14.33	Peak
	2485.000	32.14	8.58	34.61	46.64	52.75	74.00	21.25	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
@	2469.500	32.09	8.57	34.60	78.20	84.26	---	---	Average
	2483.500	32.14	8.58	34.61	39.19	45.30	54.00	8.70	Average
	2485.000	32.14	8.58	34.61	35.48	41.59	54.00	12.41	Average

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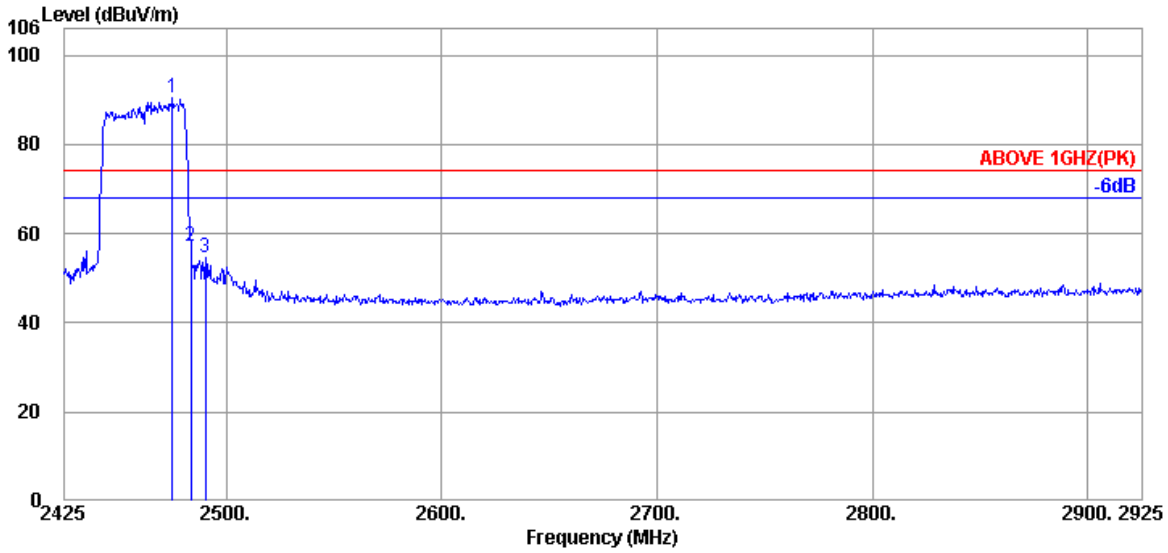
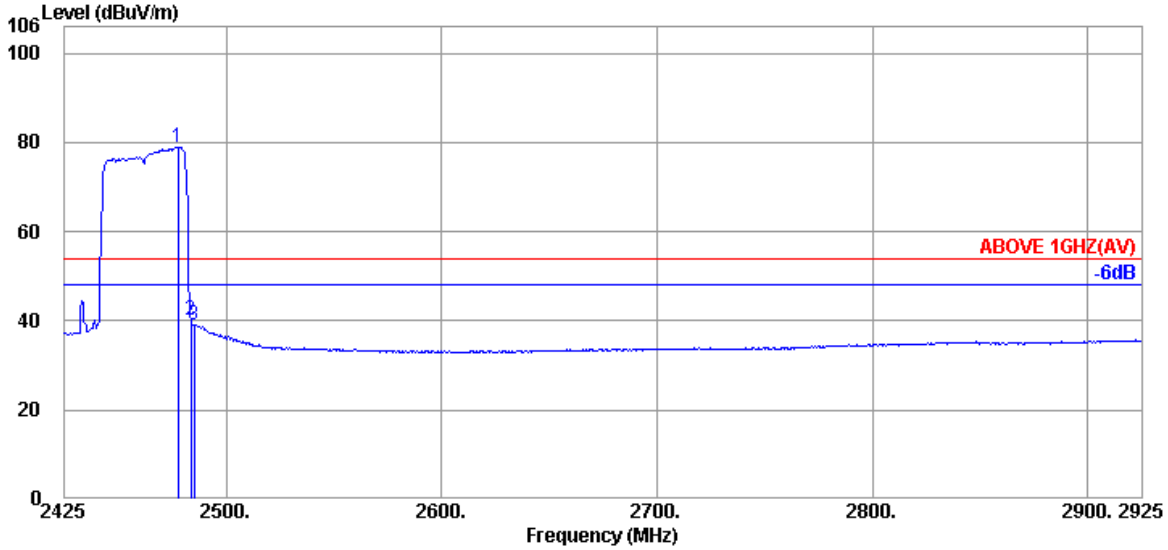
Mode	802.11ax-HE40	Frequency	TX 2462MHz



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
@	2475.000	32.11	8.58	34.60	84.20	90.29	---	---	Peak
	2483.500	32.14	8.58	34.61	51.15	57.26	74.00	16.74	Peak
	2490.500	32.17	8.59	34.61	48.57	54.72	74.00	19.28	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
@	2477.500	32.11	8.58	34.60	72.83	78.92	---	---	Average
	2483.500	32.14	8.58	34.61	34.17	40.28	54.00	13.72	Average
	2485.000	32.14	8.58	34.61	33.07	39.18	54.00	14.82	Average

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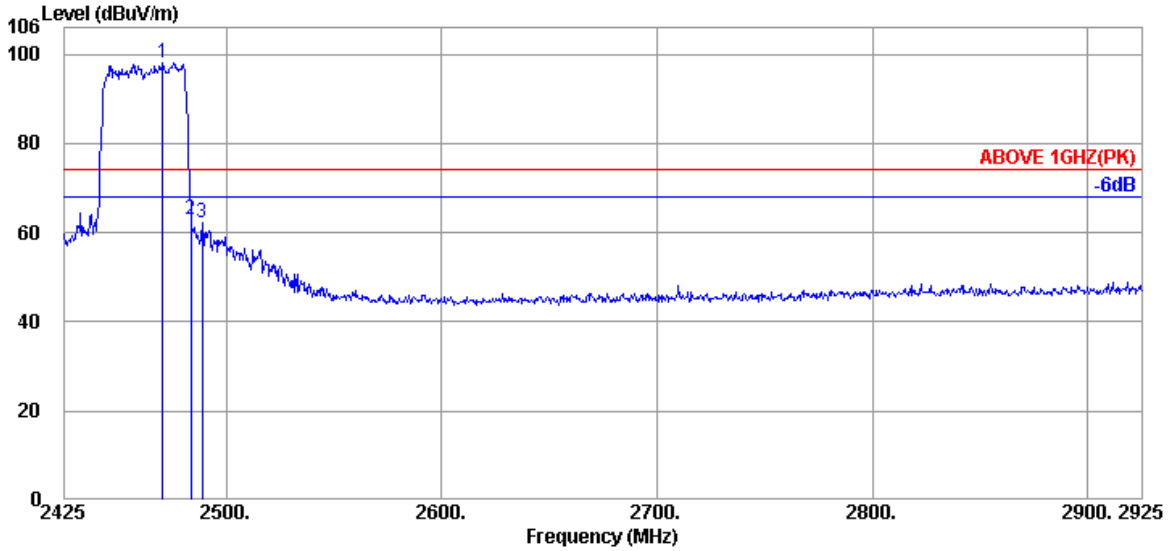
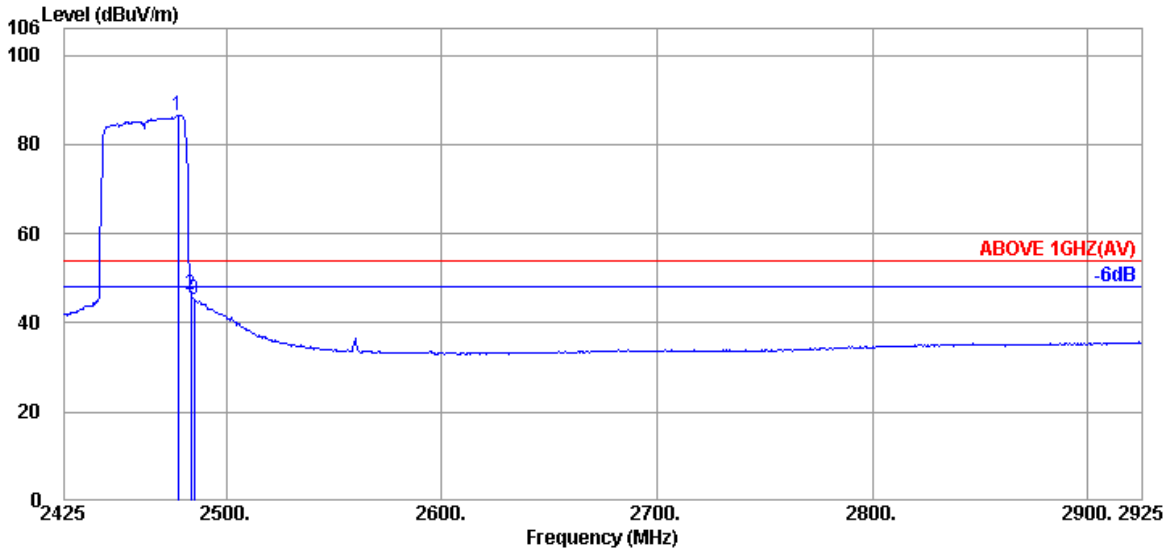
Mode	802.11ax-HE40	Frequency	TX 2462MHz



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
@	2470.500	32.09	8.57	34.60	92.01	98.07	---	---	Peak
	2483.500	32.14	8.58	34.61	56.72	62.83	74.00	11.17	Peak
	2489.000	32.14	8.59	34.61	55.99	62.11	74.00	11.89	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
@	2477.500	32.11	8.58	34.60	80.34	86.43	---	---	Average
	2483.500	32.14	8.58	34.61	40.14	46.25	54.00	7.75	Average
	2485.000	32.14	8.58	34.61	39.21	45.32	54.00	8.68	Average

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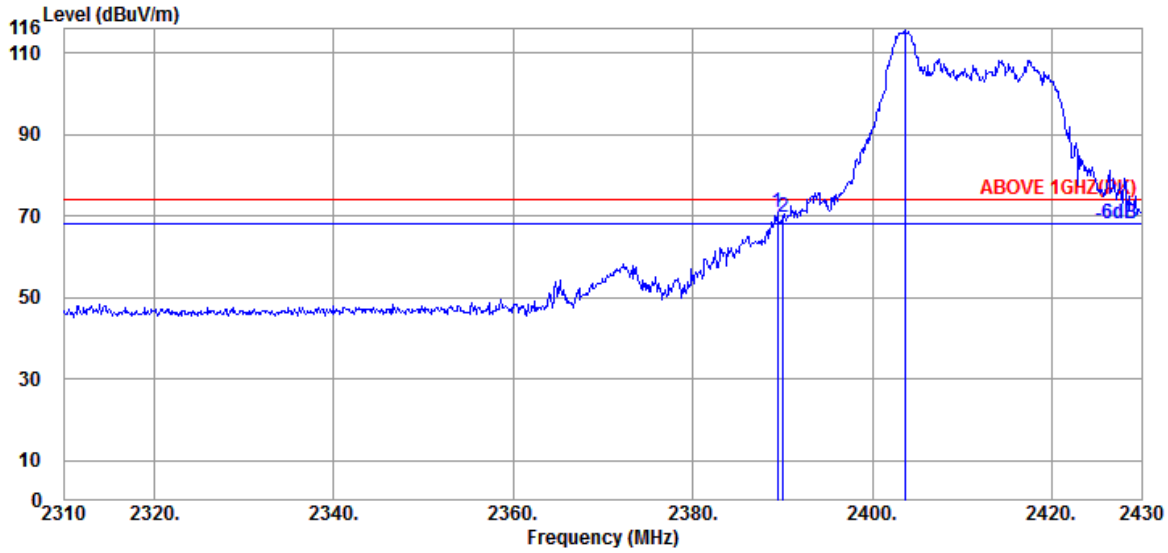
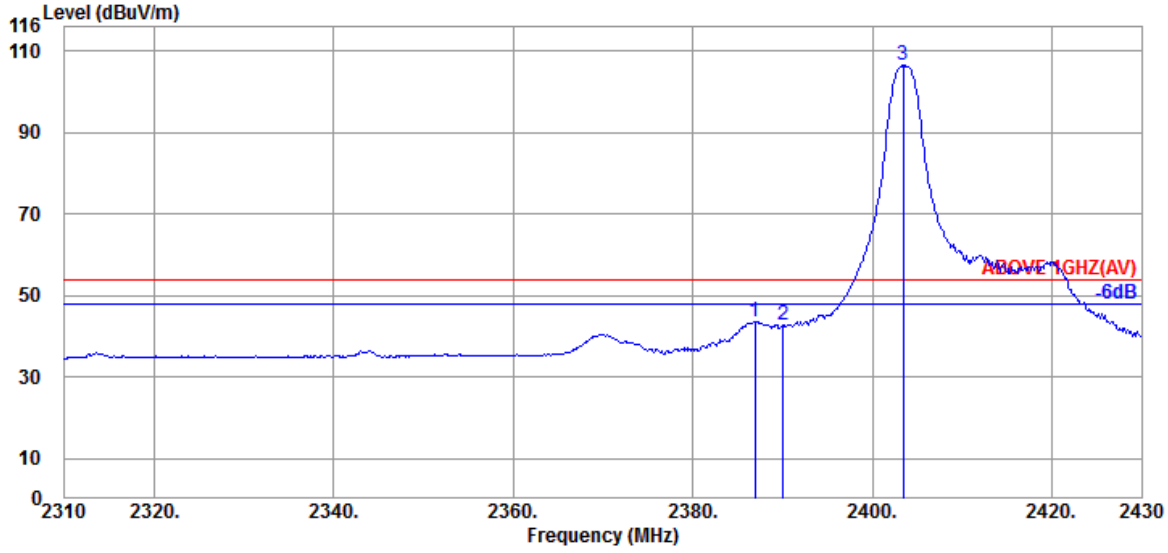
Mode	802.11ax-HE20	Frequency	TX 2412MHz
		RU Configuration	26/0



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
	2389.440	32.44	8.52	34.58	64.32	70.70	74.00	3.30	Peak
	2390.040	32.44	8.52	34.58	63.24	69.62	74.00	4.38	Peak
@	2403.720	32.50	8.53	34.59	109.12	115.56	---	---	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
	2386.920	32.44	8.52	34.58	37.18	43.56	54.00	10.44	Average
	2390.040	32.44	8.52	34.58	36.29	42.67	54.00	11.33	Average
@	2403.480	32.50	8.53	34.59	100.09	106.53	---	---	Average

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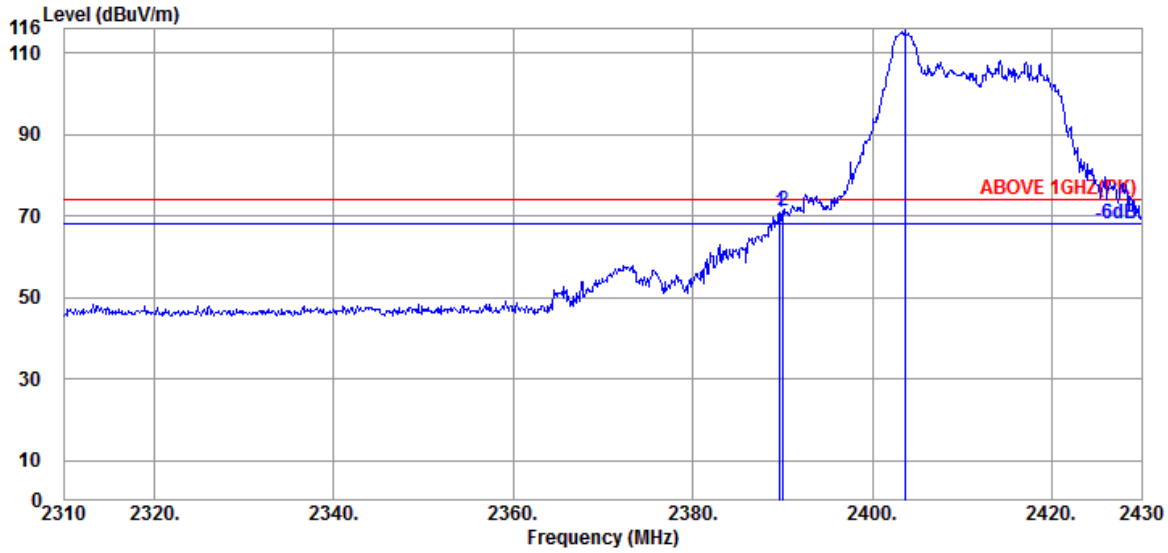
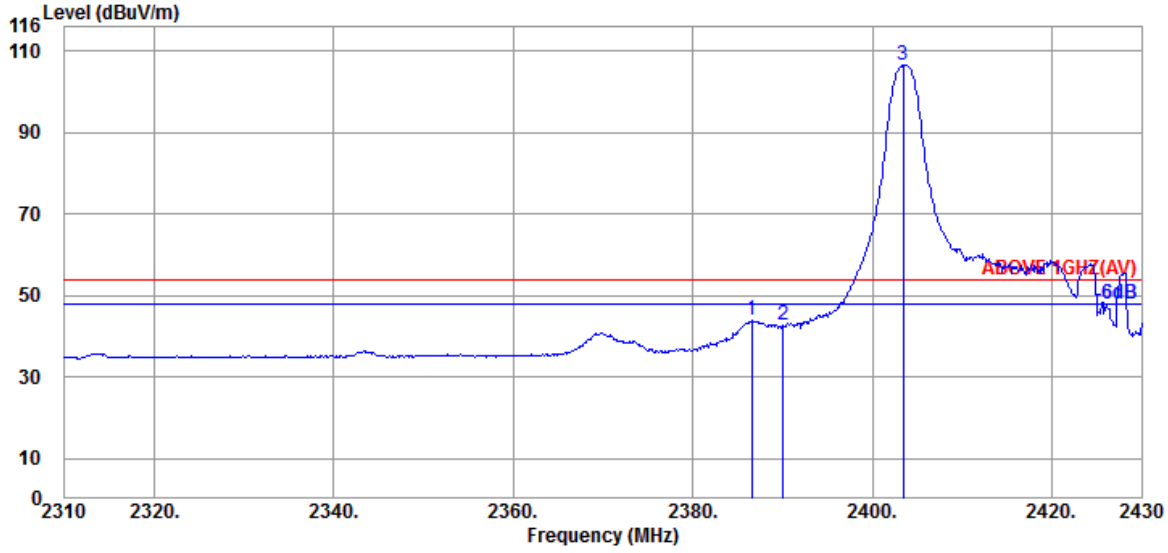
Mode	802.11ax-HE20	Frequency	TX 2412MHz
		RU Configuration	26/0



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
	2389.680	32.44	8.52	34.58	64.56	70.94	74.00	3.06	Peak
	2390.040	32.44	8.52	34.58	65.03	71.41	74.00	2.59	Peak
@	2403.600	32.50	8.53	34.59	109.03	115.47	---	---	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
	2386.560	32.44	8.52	34.58	37.70	44.08	54.00	9.92	Average
	2390.040	32.44	8.52	34.58	36.29	42.67	54.00	11.33	Average
@	2403.480	32.50	8.53	34.59	100.11	106.55	---	---	Average

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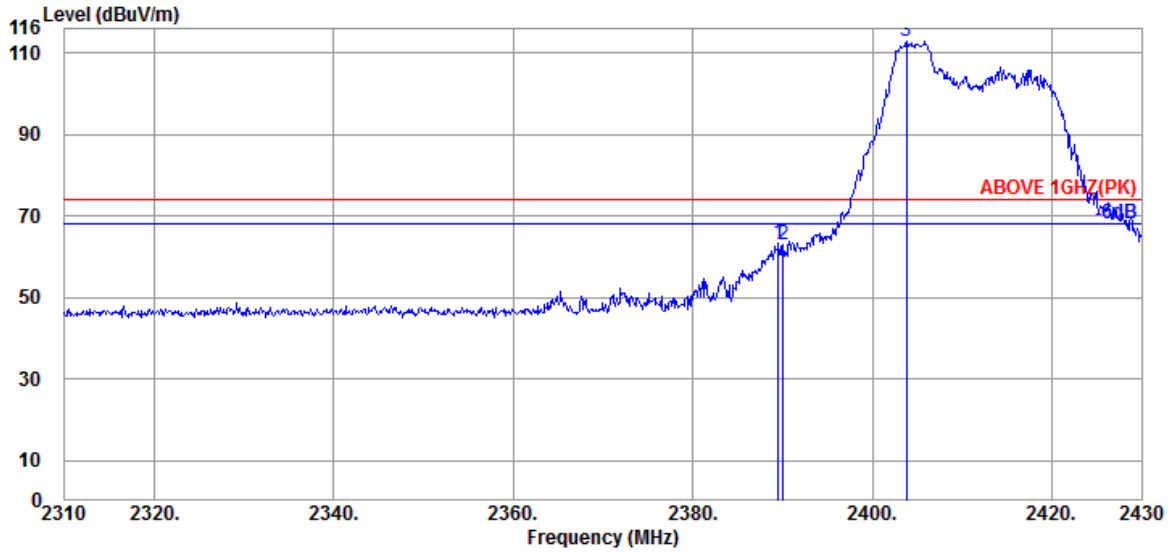
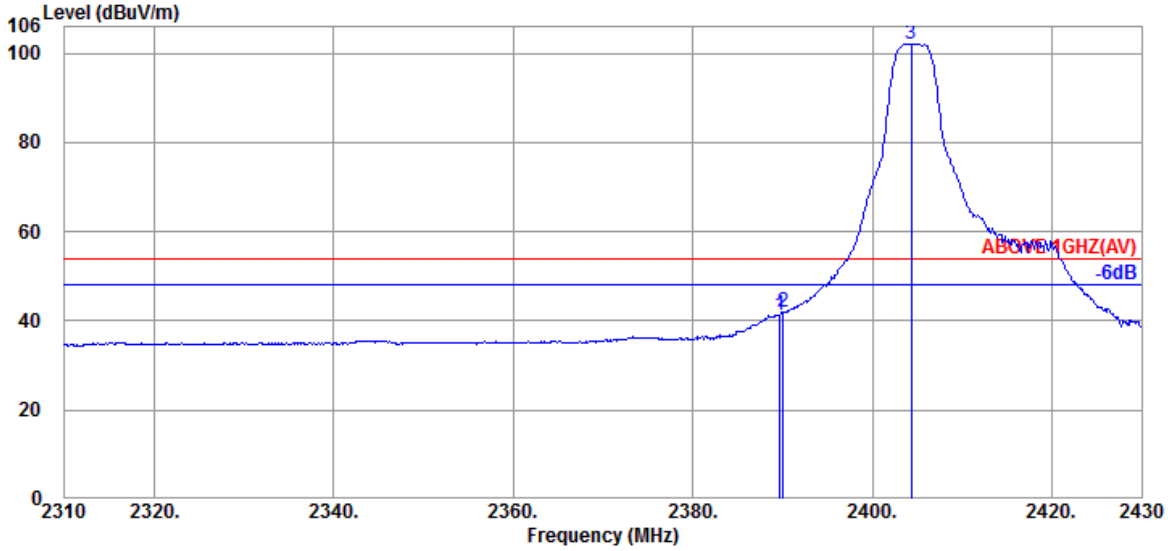
Mode	802.11ax-HE20	Frequency	TX 2412MHz
		RU Configuration	52/37



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
	2389.560	32.44	8.52	34.58	56.81	63.19	74.00	10.81	Peak
	2390.040	32.44	8.52	34.58	56.54	62.92	74.00	11.08	Peak
@	2403.840	32.50	8.53	34.59	106.34	112.78	---	---	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
	2389.680	32.44	8.52	34.58	35.00	41.38	54.00	12.62	Average
	2390.040	32.44	8.52	34.58	35.56	41.94	54.00	12.06	Average
@	2404.320	32.43	8.53	34.59	95.72	102.09	---	---	Average

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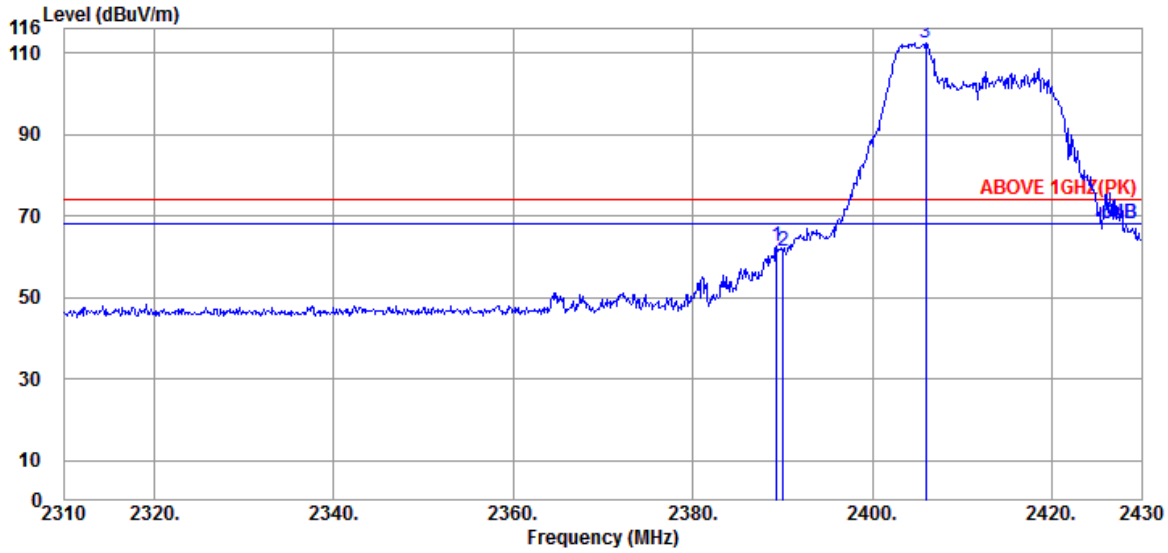
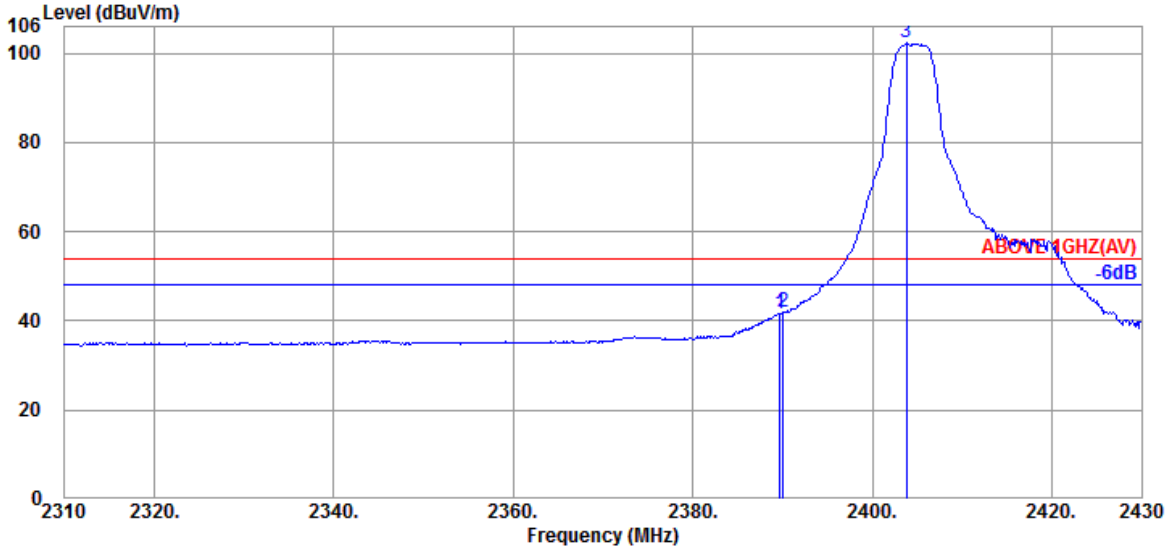
		RU Configuration	52/37



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
	2389.320	32.44	8.52	34.58	56.14	62.52	74.00	11.48	Peak
	2390.040	32.44	8.52	34.58	55.09	61.47	74.00	12.53	Peak
@	2406.000	32.43	8.53	34.59	105.96	112.33	---	---	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
	2389.680	32.44	8.52	34.58	35.20	41.58	54.00	12.42	Average
	2390.040	32.44	8.52	34.58	35.42	41.80	54.00	12.20	Average
@	2403.840	32.50	8.53	34.59	95.83	102.27	---	---	Average

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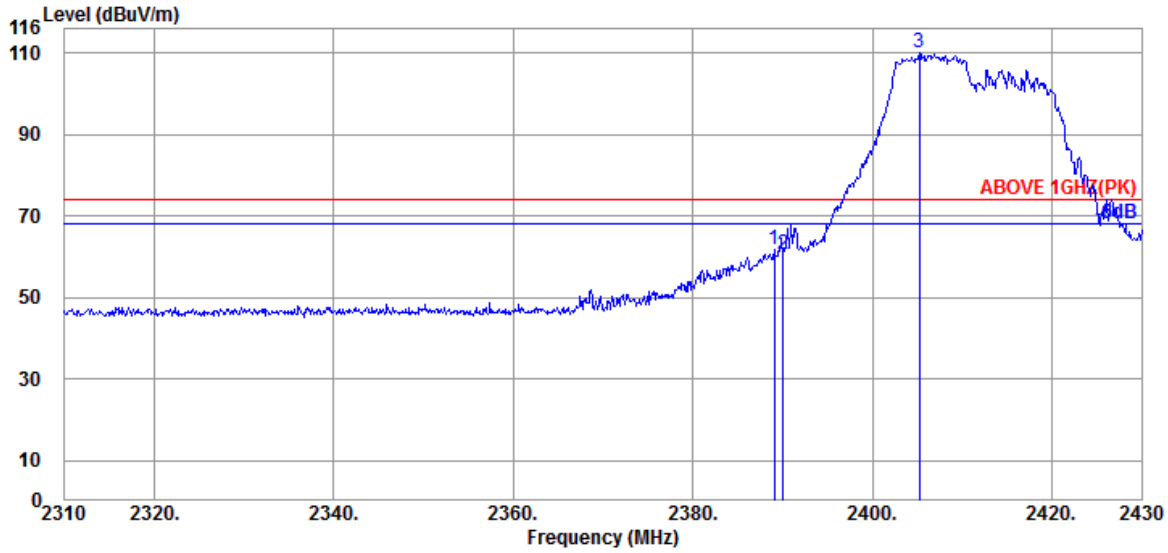
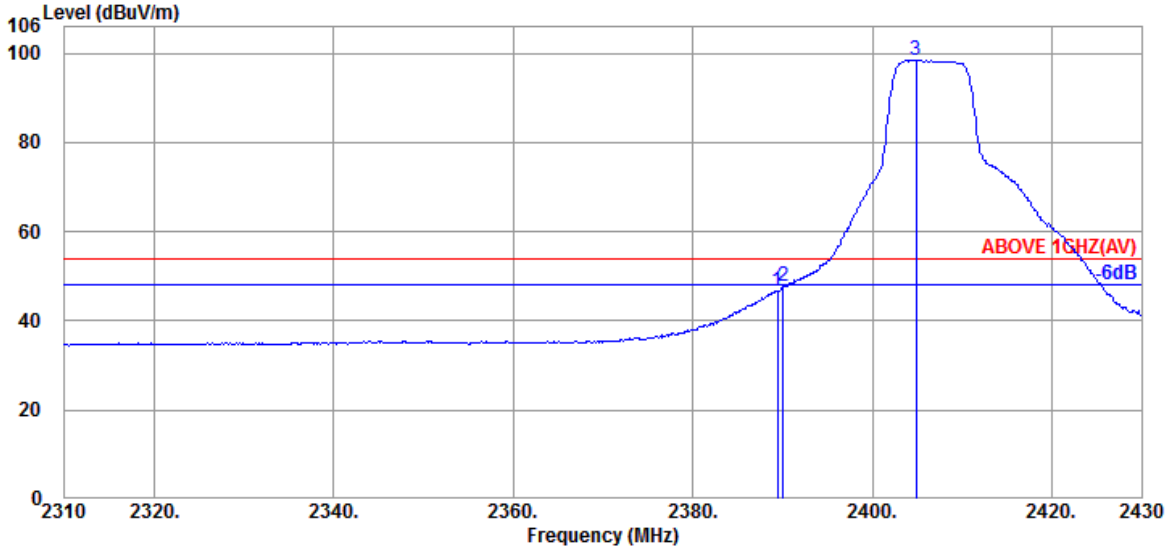
Mode	802.11ax-HE20	Frequency	TX 2412MHz
		RU Configuration	106/53



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
	2389.080	32.44	8.52	34.58	55.41	61.79	74.00	12.21	Peak
	2390.040	32.44	8.52	34.58	54.37	60.75	74.00	13.25	Peak
@	2405.280	32.43	8.53	34.59	103.66	110.03	---	---	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
	2389.440	32.44	8.52	34.58	40.45	46.83	54.00	7.17	Average
	2390.040	32.44	8.52	34.58	41.33	47.71	54.00	6.29	Average
@	2404.920	32.43	8.53	34.59	92.16	98.53	---	---	Average

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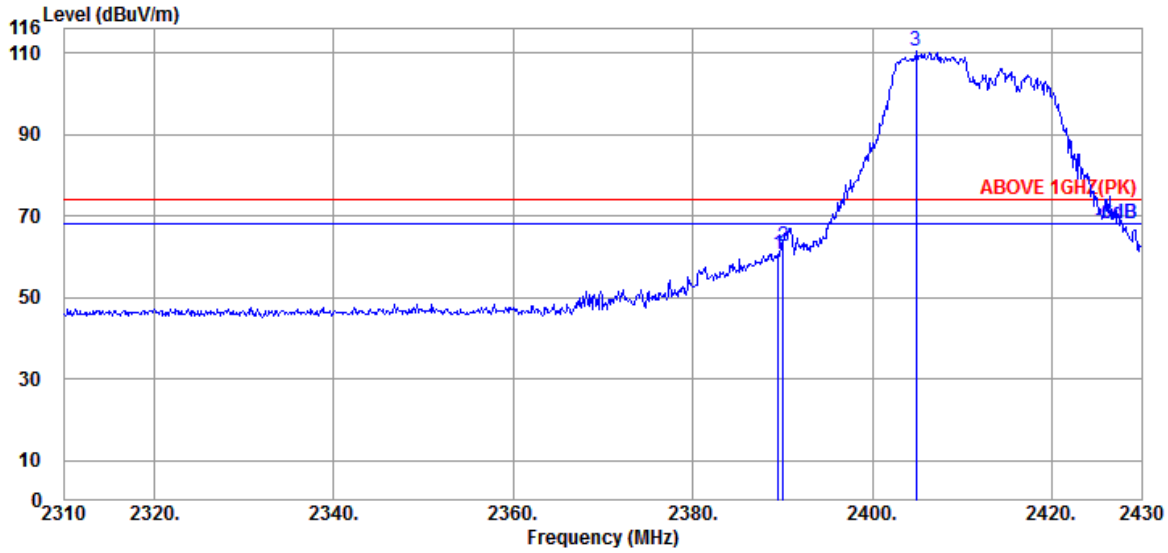
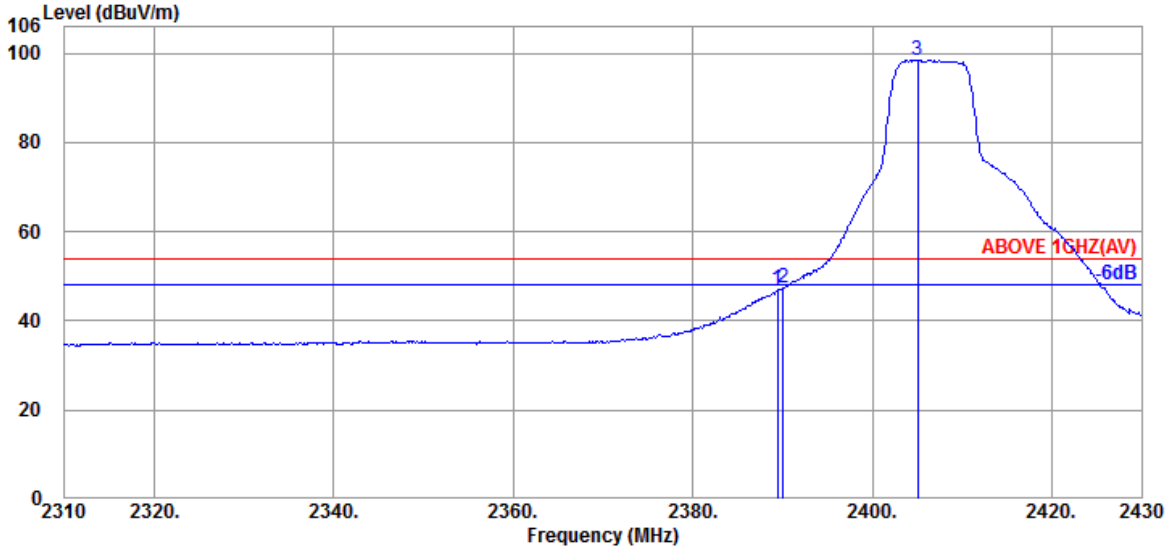
		RU Configuration	106/53



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
	2389.560	32.44	8.52	34.58	54.32	60.70	74.00	13.30	Peak
	2390.040	32.44	8.52	34.58	55.98	62.36	74.00	11.64	Peak
@	2404.920	32.43	8.53	34.59	104.27	110.64	---	---	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
	2389.440	32.44	8.52	34.58	40.62	47.00	54.00	7.00	Average
	2390.040	32.44	8.52	34.58	40.84	47.22	54.00	6.78	Average
@	2405.040	32.43	8.53	34.59	92.17	98.54	---	---	Average

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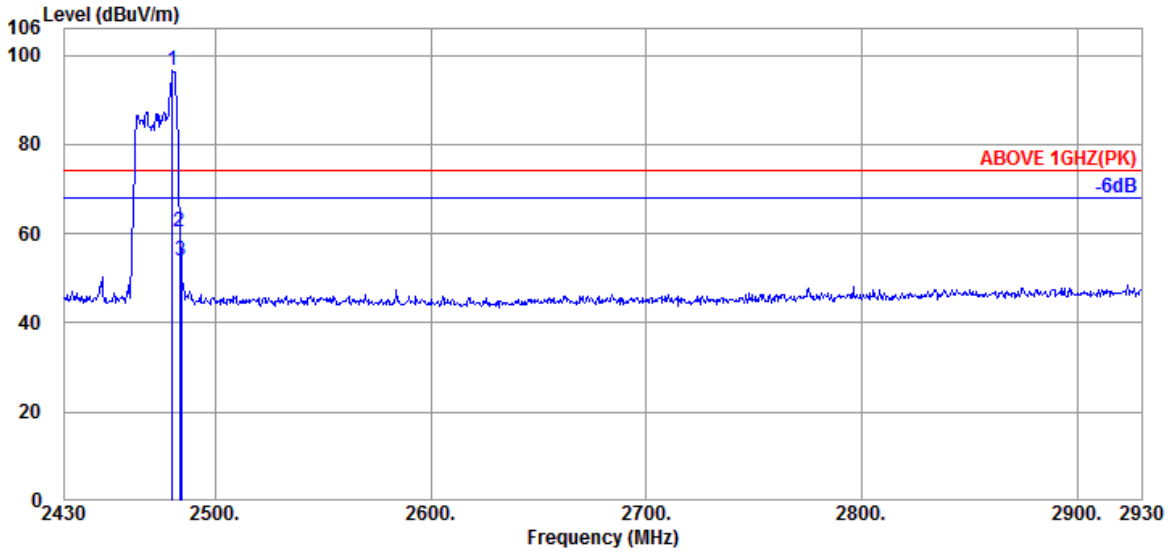
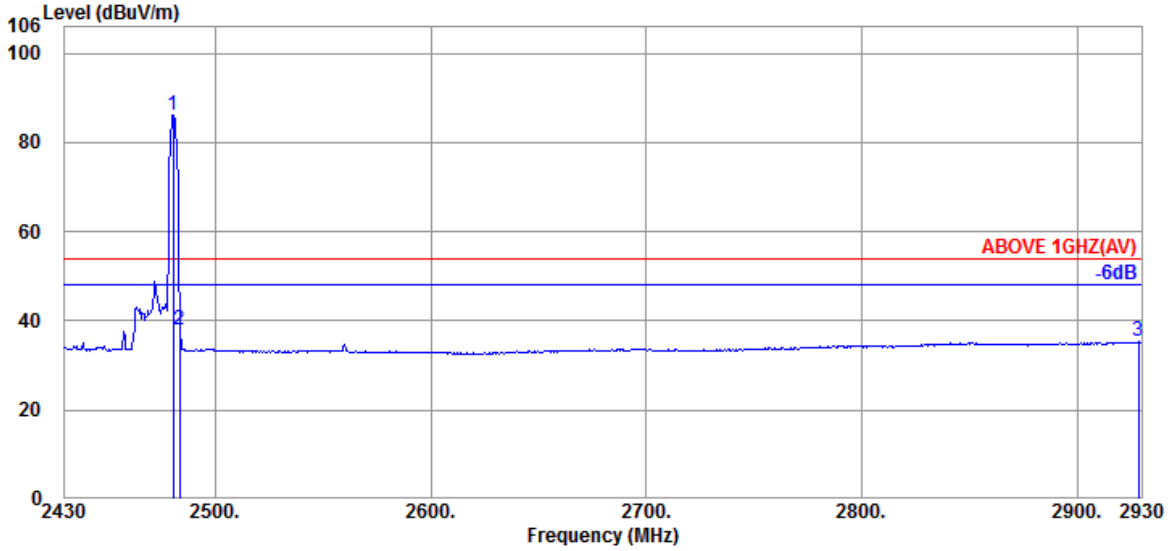
Mode	802.11ax-HE20	Frequency	TX 2472MHz
		RU Configuration	26/8



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
@	2480.000	32.11	8.58	34.60	90.56	96.65	---	---	Peak
	2483.500	32.14	8.58	34.61	54.13	60.24	74.00	13.76	Peak
	2484.000	32.14	8.58	34.61	47.94	54.05	74.00	19.95	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
@	2480.500	32.11	8.58	34.60	80.17	86.26	---	---	Average
	2483.500	32.14	8.58	34.61	31.85	37.96	54.00	16.04	Average
	2928.500	32.93	8.69	34.69	28.39	35.32	54.00	18.68	Average

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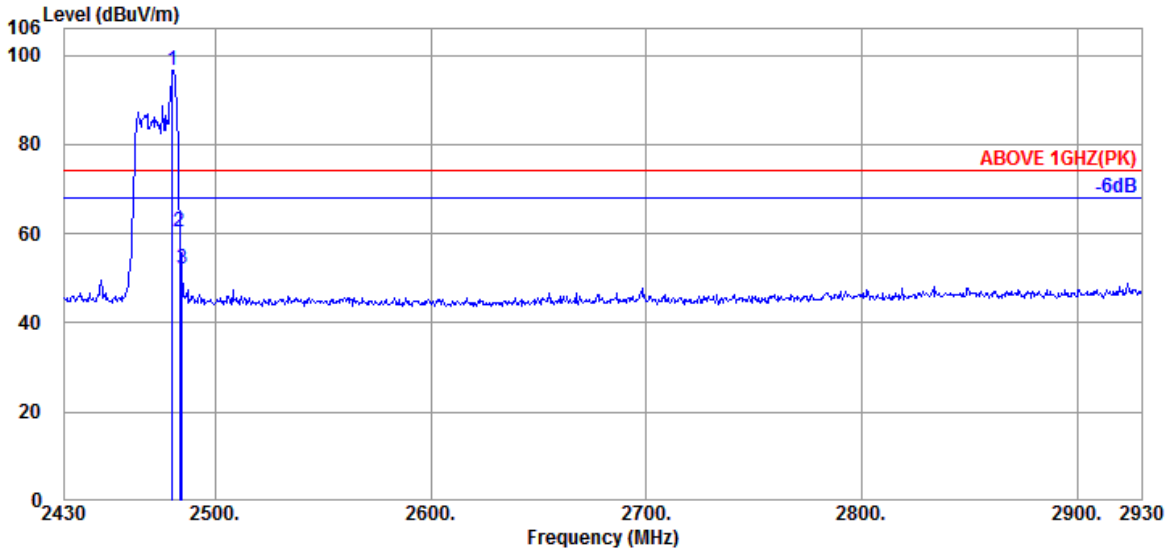
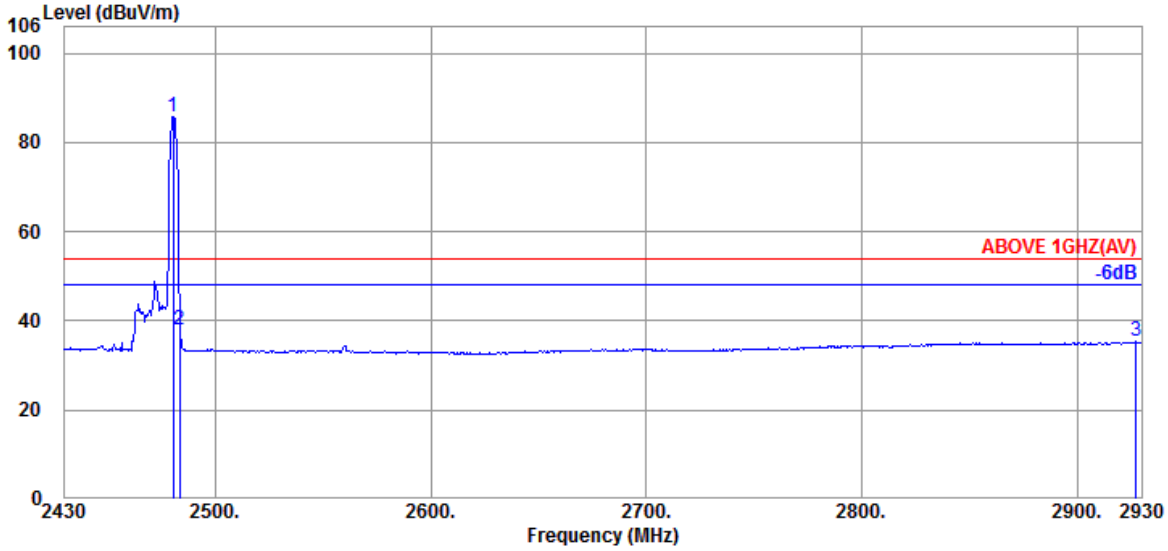
		RU Configuration	26/8



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
@	2480.000	32.11	8.58	34.60	90.55	96.64	---	---	Peak
	2483.500	32.14	8.58	34.61	54.35	60.46	74.00	13.54	Peak
	2484.500	32.14	8.58	34.61	45.84	51.95	74.00	22.05	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
@	2480.500	32.11	8.58	34.60	79.77	85.86	---	---	Average
	2483.500	32.14	8.58	34.61	31.97	38.08	54.00	15.92	Average
	2927.500	32.93	8.69	34.69	28.40	35.33	54.00	18.67	Average

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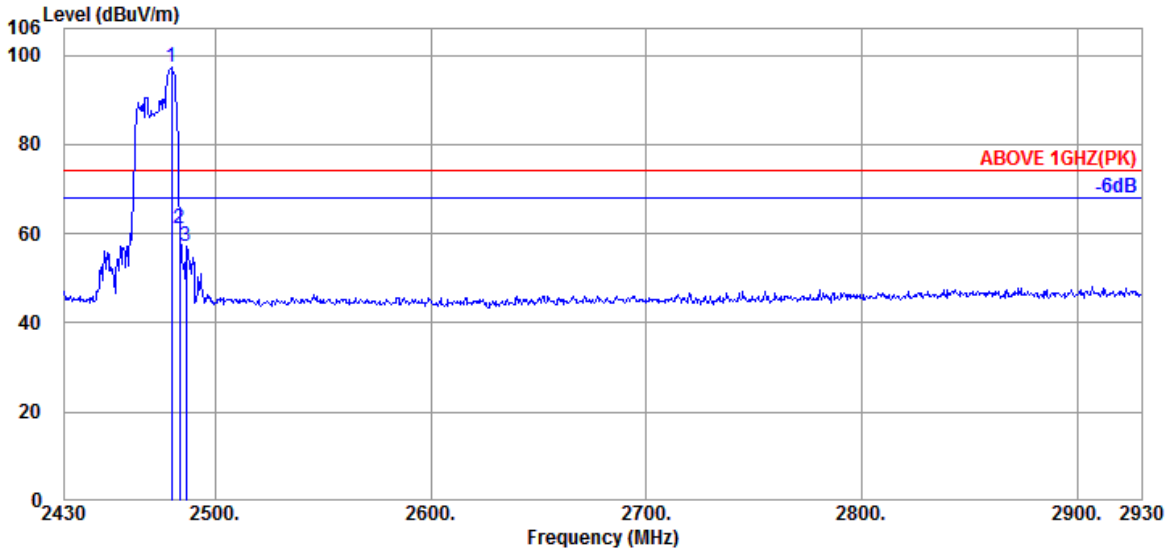
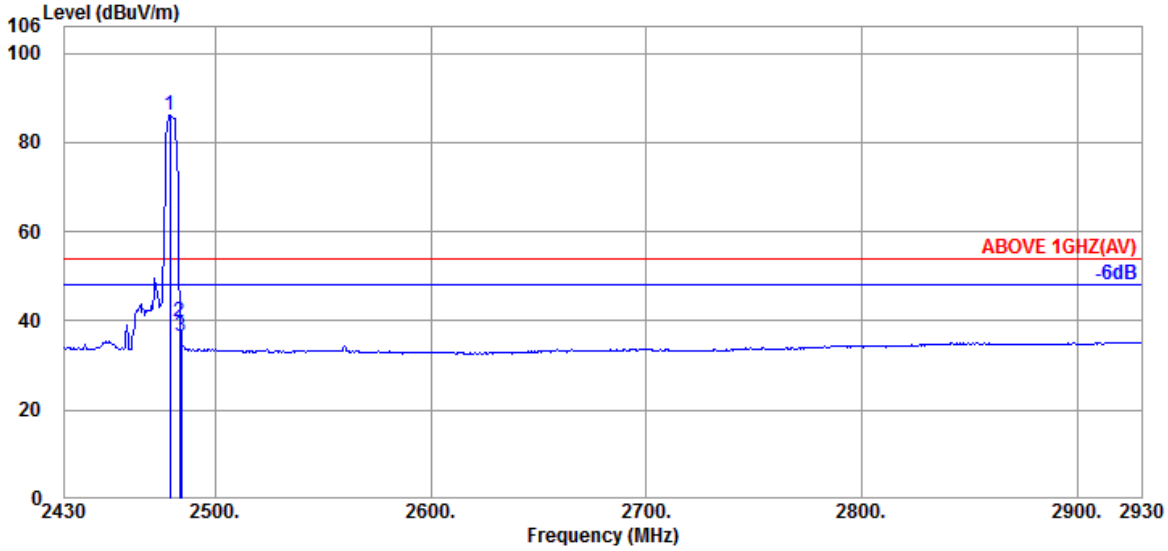
Mode	802.11ax-HE20	Frequency	TX 2472MHz
		RU Configuration	52/40



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
@	2479.500	32.11	8.58	34.60	91.06	97.15	---	---	Peak
	2483.500	32.14	8.58	34.61	55.11	61.22	74.00	12.78	Peak
	2486.500	32.14	8.58	34.61	51.05	57.16	74.00	16.84	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
@	2479.000	32.11	8.58	34.60	80.02	86.11	---	---	Average
	2483.500	32.14	8.58	34.61	33.63	39.74	54.00	14.26	Average
	2484.000	32.14	8.58	34.61	30.32	36.43	54.00	17.57	Average

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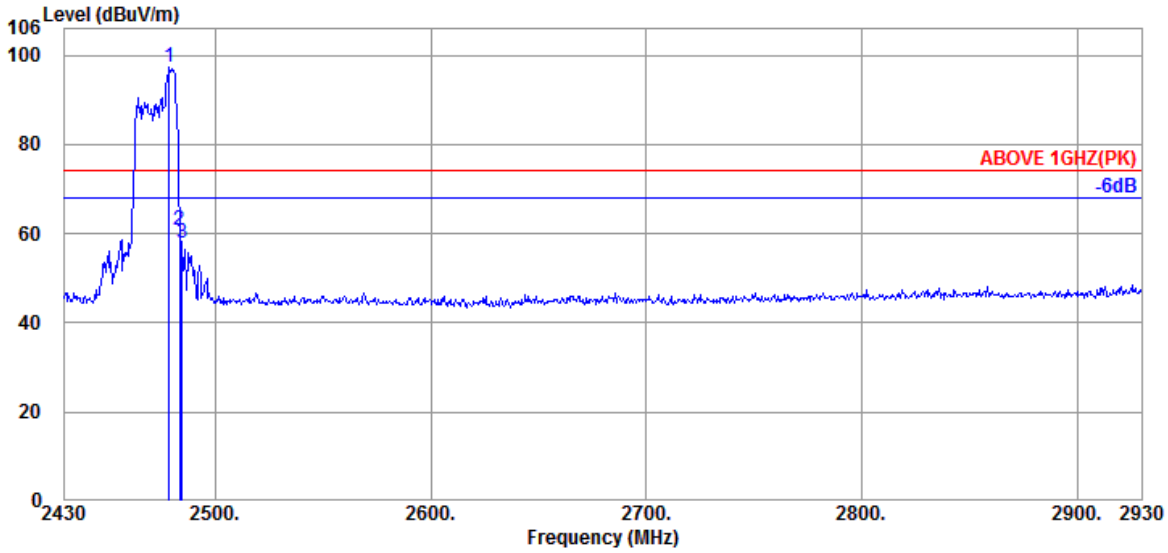
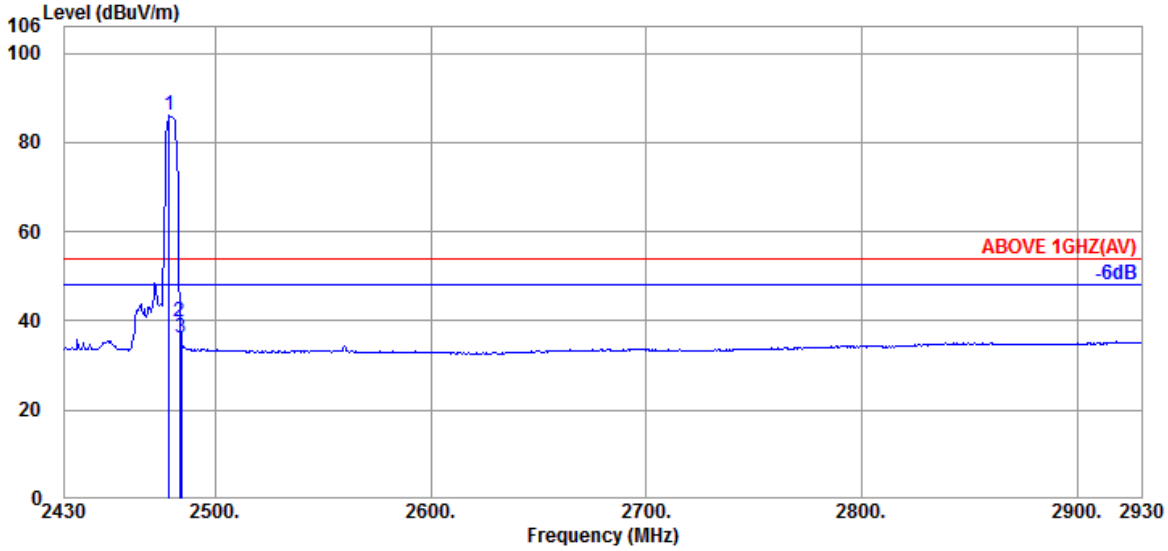
		RU Configuration	52/40



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
@	2478.500	32.11	8.58	34.60	91.10	97.19	---	---	Peak
	2483.500	32.14	8.58	34.61	54.58	60.69	74.00	13.31	Peak
	2484.500	32.14	8.58	34.61	51.89	58.00	74.00	16.00	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
@	2478.500	32.11	8.58	34.60	79.92	86.01	---	---	Average
	2483.500	32.14	8.58	34.61	33.57	39.68	54.00	14.32	Average
	2484.000	32.14	8.58	34.61	30.22	36.33	54.00	17.67	Average

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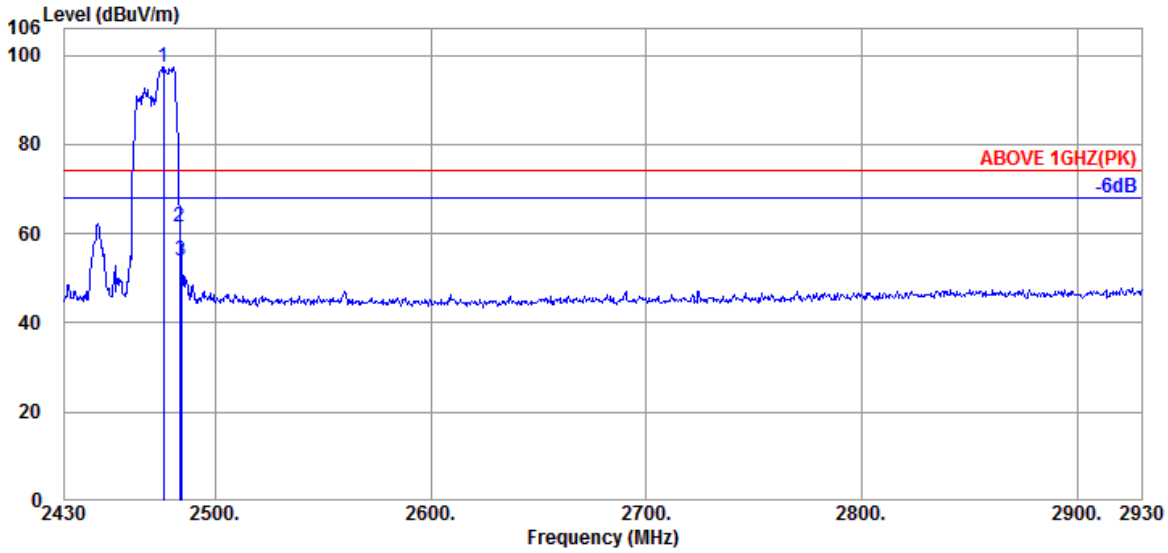
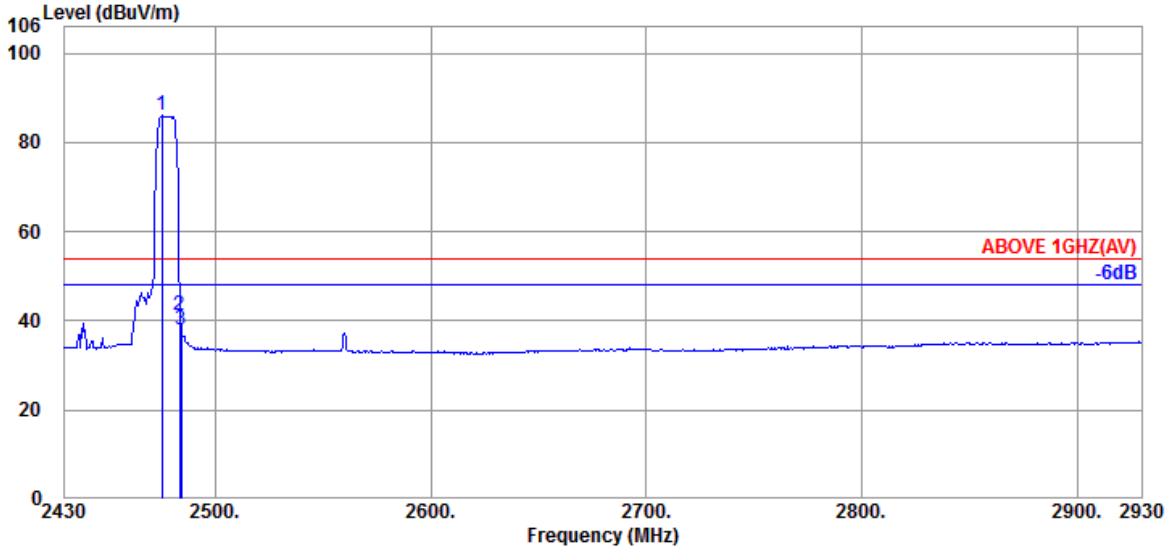
		RU Configuration	106/54



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
@	2476.000	32.11	8.58	34.60	91.20	97.29	---	---	Peak
	2483.500	32.14	8.58	34.61	55.22	61.33	74.00	12.67	Peak
	2484.000	32.14	8.58	34.61	47.79	53.90	74.00	20.10	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
@	2475.000	32.11	8.58	34.60	79.84	85.93	---	---	Average
	2483.500	32.14	8.58	34.61	35.26	41.37	54.00	12.63	Average
	2484.000	32.14	8.58	34.61	31.99	38.10	54.00	15.90	Average

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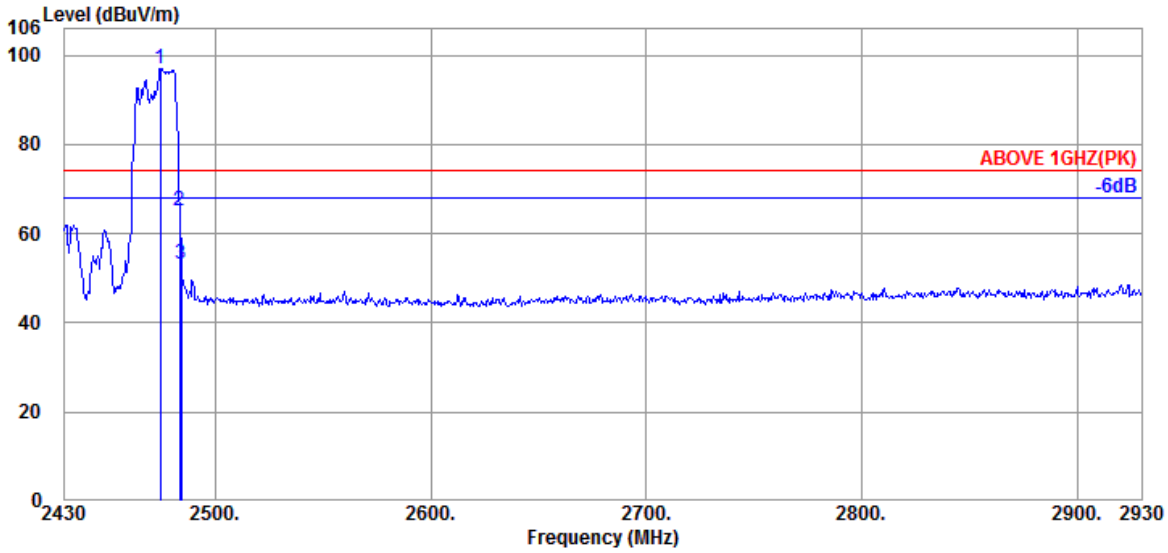
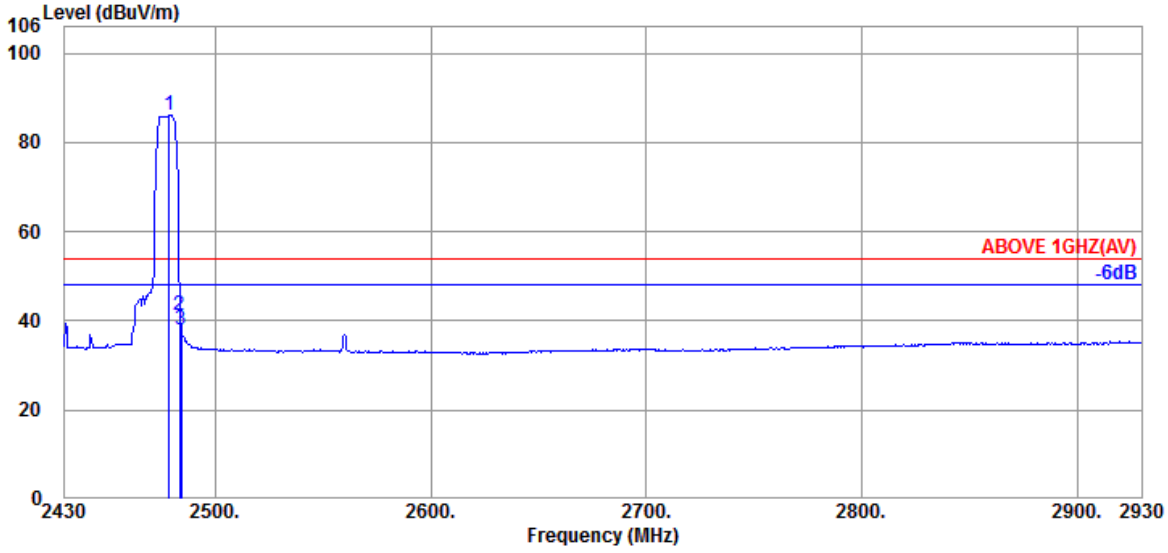
		RU Configuration	106/54



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
@	2474.500	32.09	8.58	34.60	91.03	97.10	---	---	Peak
	2483.500	32.14	8.58	34.61	59.02	65.13	74.00	8.87	Peak
	2484.000	32.14	8.58	34.61	47.05	53.16	74.00	20.84	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
@	2478.500	32.11	8.58	34.60	79.89	85.98	---	---	Average
	2483.500	32.14	8.58	34.61	35.21	41.32	54.00	12.68	Average
	2484.000	32.14	8.58	34.61	31.92	38.03	54.00	15.97	Average

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

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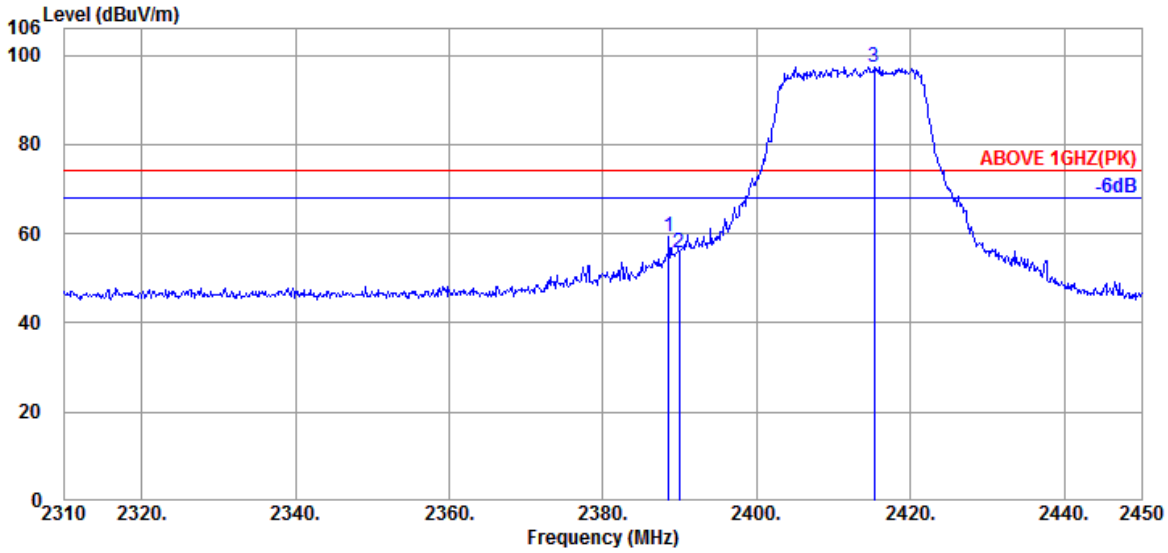
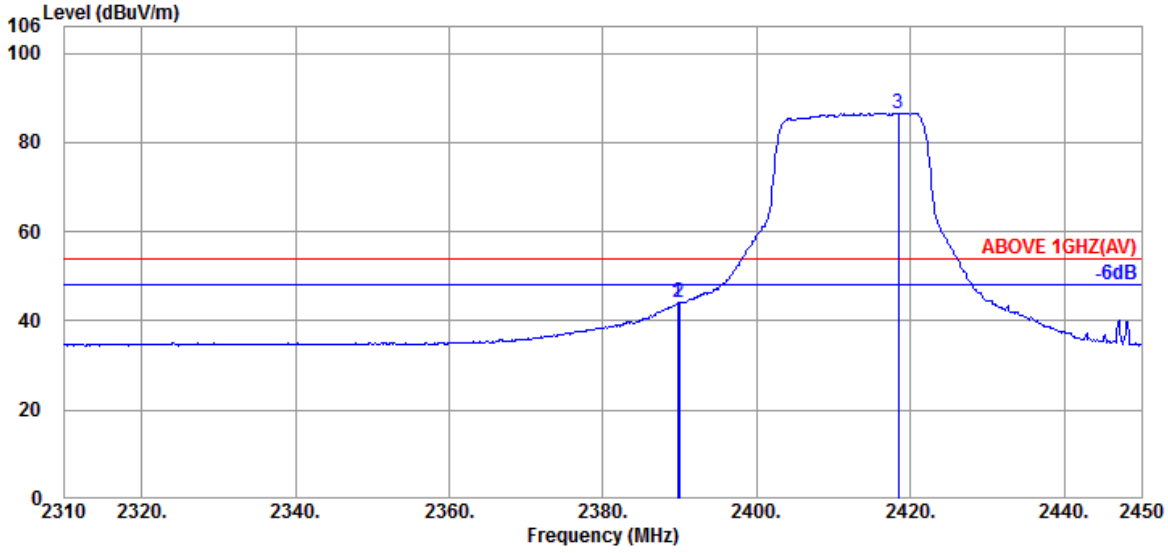
Mode	802.11ax-HE40	Frequency	TX 2422MHz
		RU Configuration	242/61



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
	2388.540	32.44	8.52	34.58	52.96	59.34	74.00	14.66	Peak
	2389.940	32.44	8.52	34.58	49.48	55.86	74.00	18.14	Peak
@	2415.280	32.36	8.53	34.59	91.20	97.50	---	---	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
	2389.660	32.44	8.52	34.58	37.67	44.05	54.00	9.95	Average
	2389.940	32.44	8.52	34.58	37.74	44.12	54.00	9.88	Average
@	2418.360	32.29	8.53	34.59	80.39	86.62	---	---	Average

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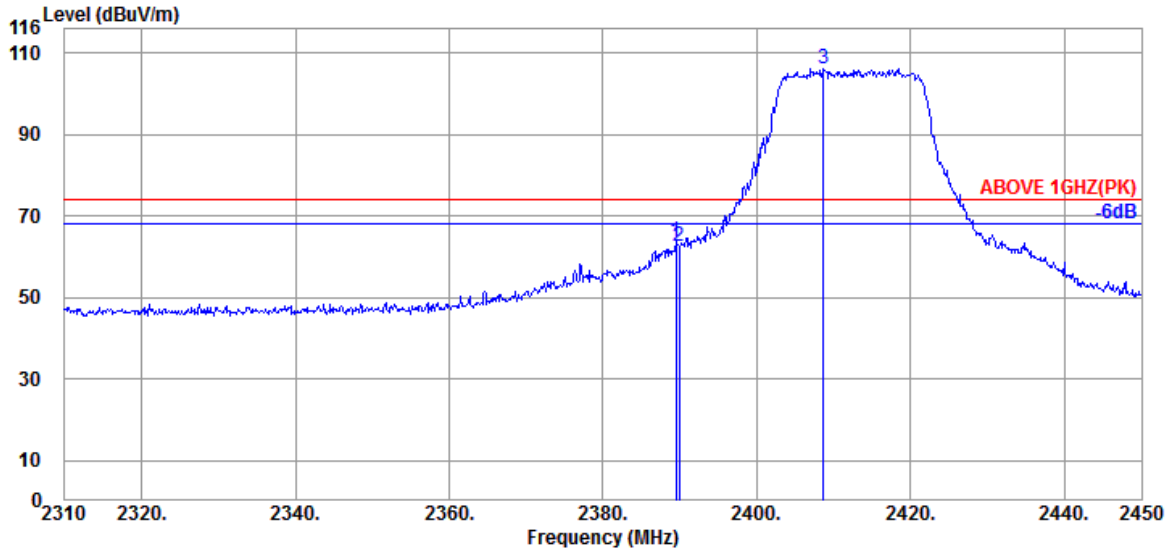
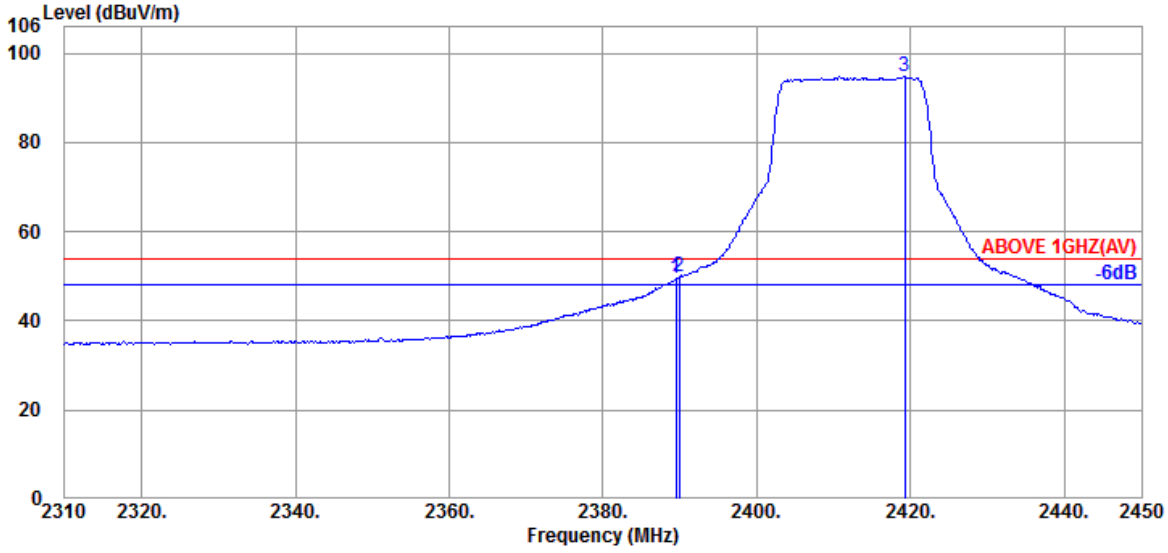
Mode	802.11ax-HE40	Frequency	TX 2422MHz
		RU Configuration	242/61



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
	2389.520	32.44	8.52	34.58	57.50	63.88	74.00	10.12	Peak
	2389.940	32.44	8.52	34.58	56.32	62.70	74.00	11.30	Peak
@	2408.700	32.43	8.53	34.59	99.74	106.11	---	---	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
	2389.520	32.44	8.52	34.58	43.15	49.53	54.00	4.47	Average
	2389.940	32.44	8.52	34.58	43.51	49.89	54.00	4.11	Average
@	2419.200	32.29	8.53	34.59	88.49	94.72	---	---	Average

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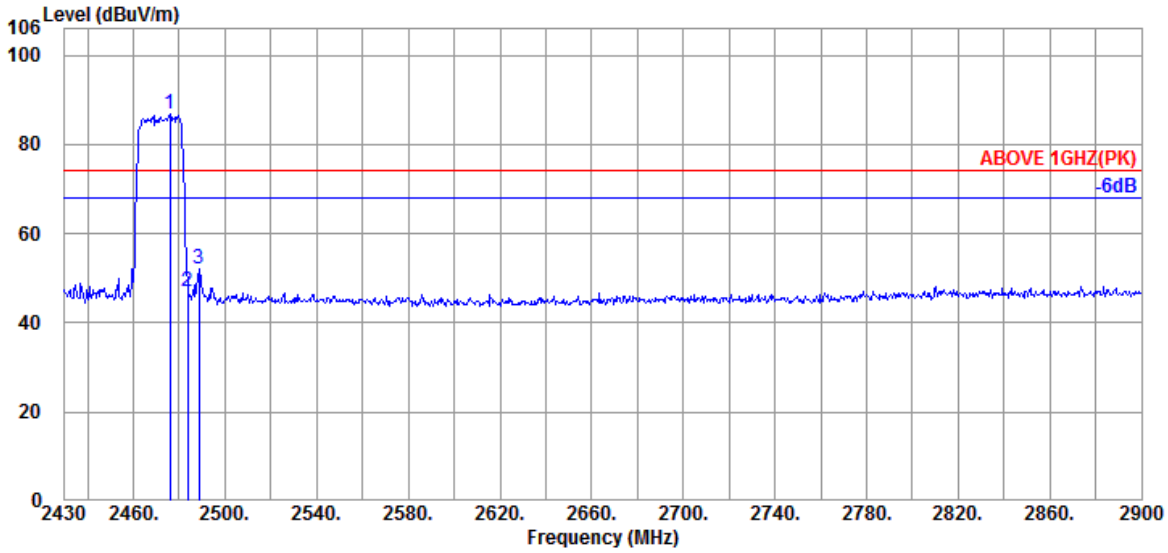
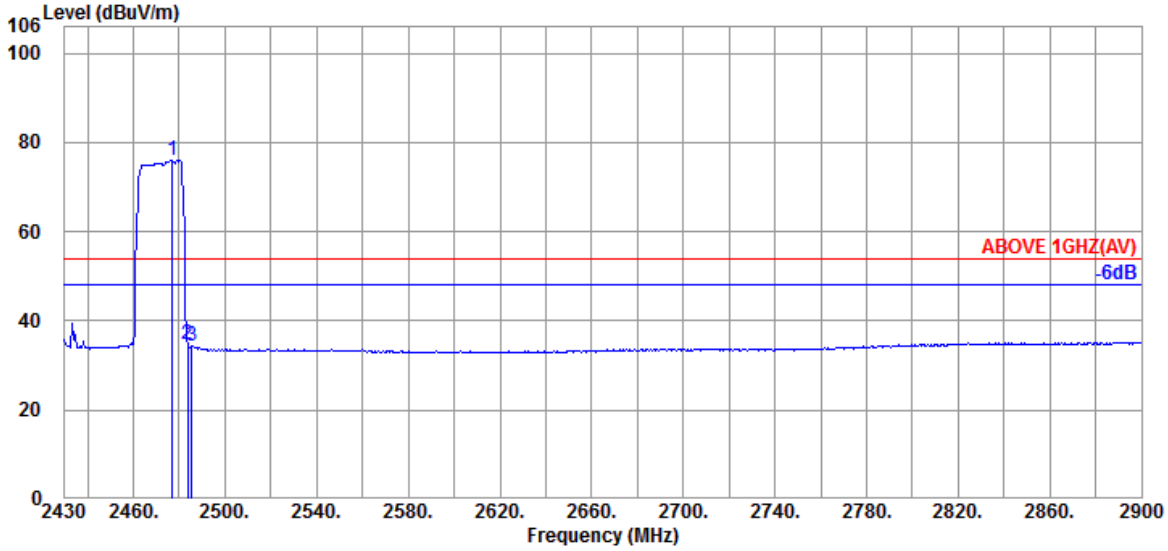
Mode	802.11ax-HE40	Frequency	TX 2462MHz
		RU Configuration	242/62



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
@	2476.060	32.11	8.58	34.60	80.56	86.65	---	---	Peak
	2483.580	32.14	8.58	34.61	41.05	47.16	74.00	26.84	Peak
	2488.750	32.14	8.59	34.61	45.88	52.00	74.00	22.00	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
@	2477.000	32.11	8.58	34.60	69.85	75.94	---	---	Average
	2483.580	32.14	8.58	34.61	28.58	34.69	54.00	19.31	Average
	2485.460	32.14	8.58	34.61	28.16	34.27	54.00	19.73	Average

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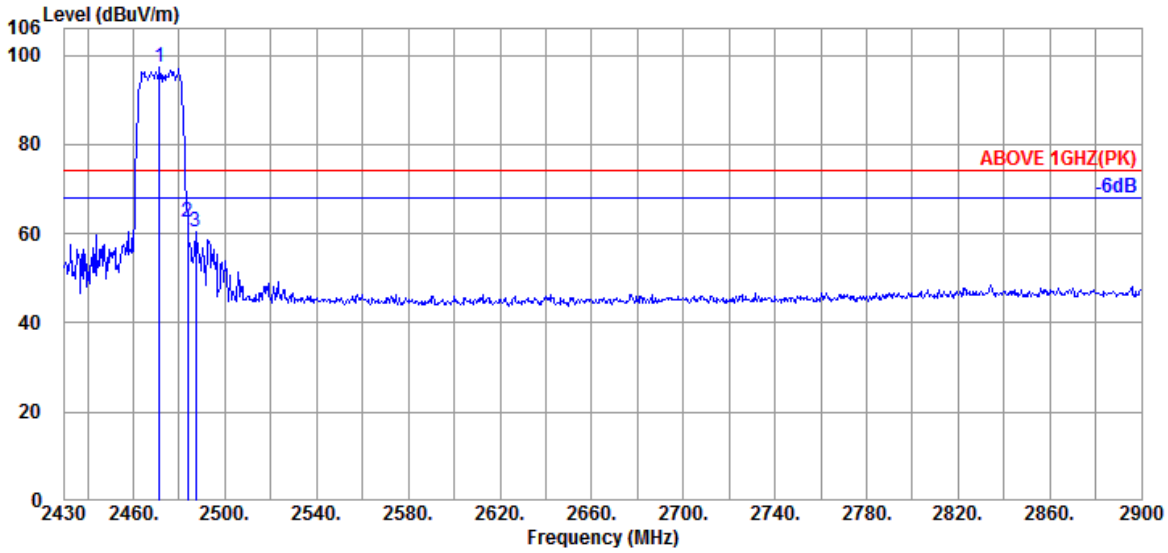
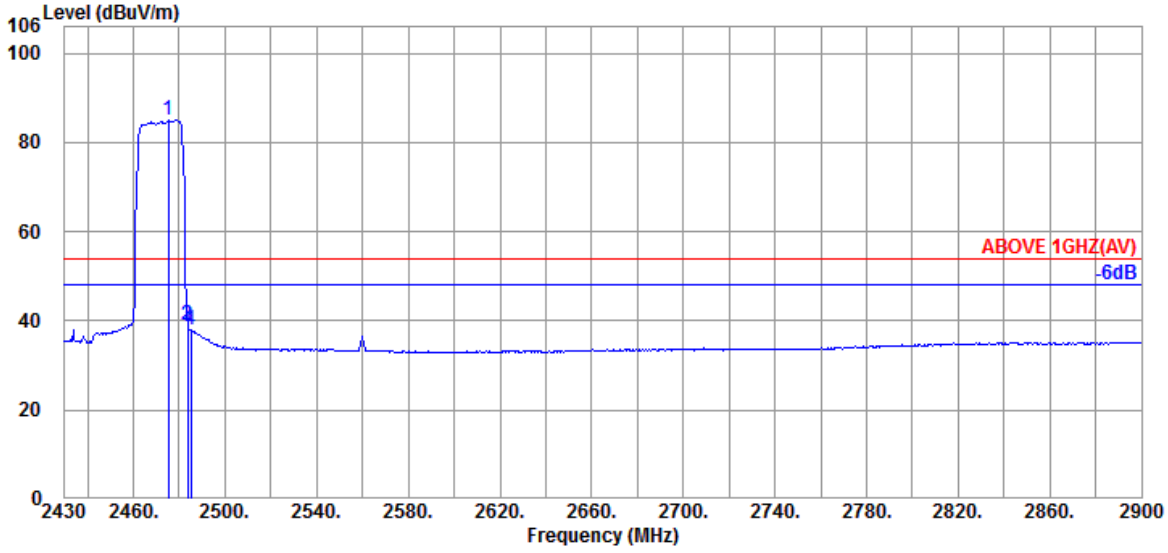
Mode	802.11ax-HE40	Frequency	TX 2462MHz
		RU Configuration	242/62



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
@	2471.360	32.09	8.58	34.60	91.37	97.44	---	---	Peak
	2483.580	32.14	8.58	34.61	56.59	62.70	74.00	11.30	Peak
	2487.340	32.14	8.58	34.61	54.25	60.36	74.00	13.64	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
@	2475.120	32.11	8.58	34.60	79.06	85.15	---	---	Average
	2483.580	32.14	8.58	34.61	32.98	39.09	54.00	14.91	Average
	2484.990	32.14	8.58	34.61	32.03	38.14	54.00	15.86	Average

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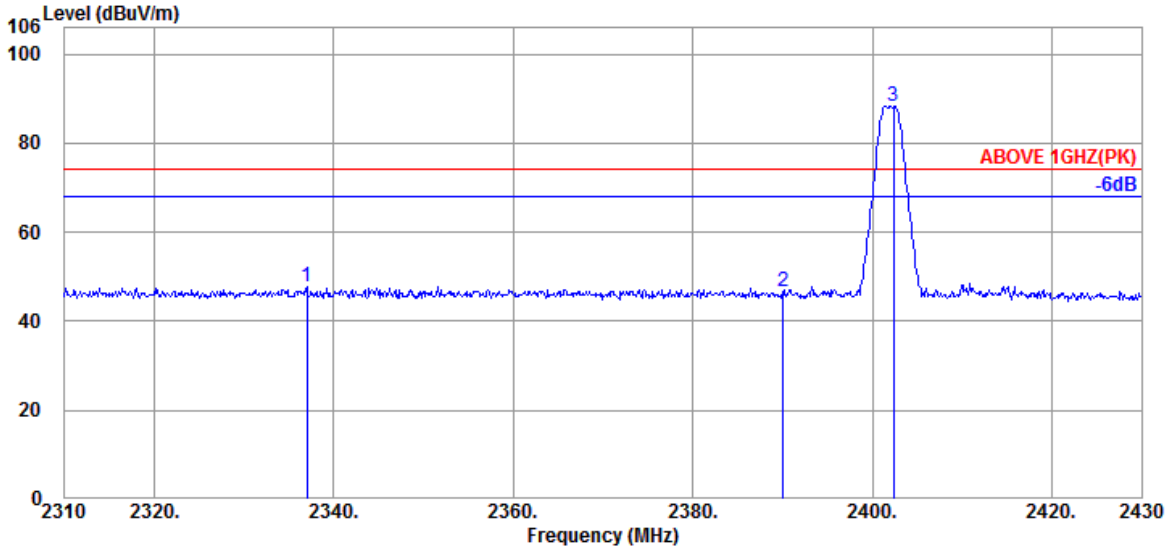
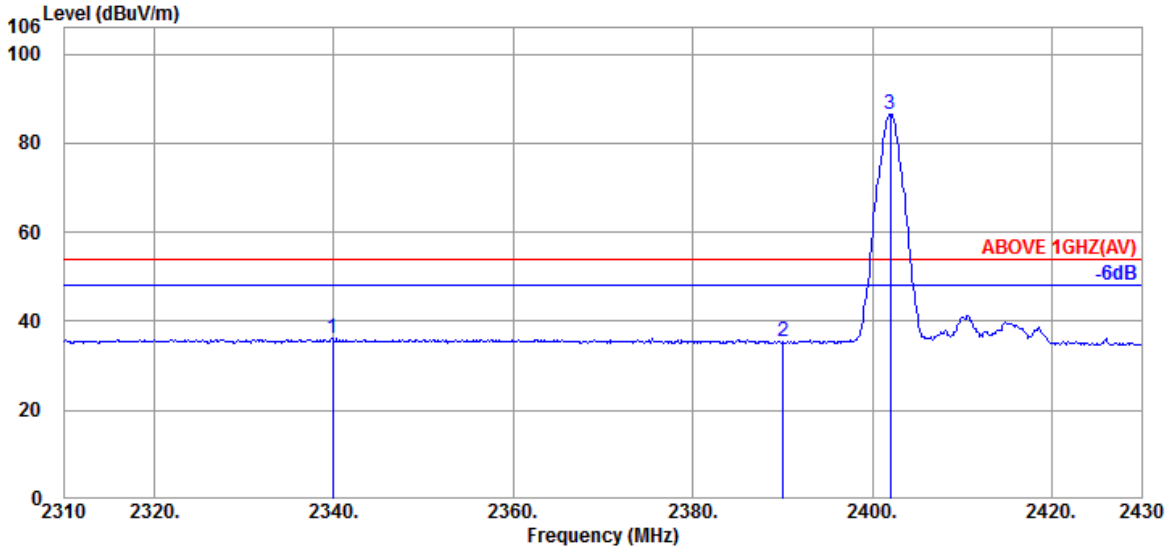
Mode	BLE (2M)	Frequency	TX 2402MHz



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
	2337.000	32.17	8.48	34.57	41.58	47.66	74.00	26.34	Peak
	2390.040	32.44	8.52	34.58	40.24	46.62	74.00	27.38	Peak
@	2402.400	32.50	8.52	34.59	81.79	88.22	---	---	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
	2339.880	32.17	8.48	34.57	30.23	36.31	54.00	17.69	Average
	2390.040	32.44	8.52	34.58	28.98	35.36	54.00	18.64	Average
@	2402.040	32.50	8.52	34.59	80.17	86.60	---	---	Average

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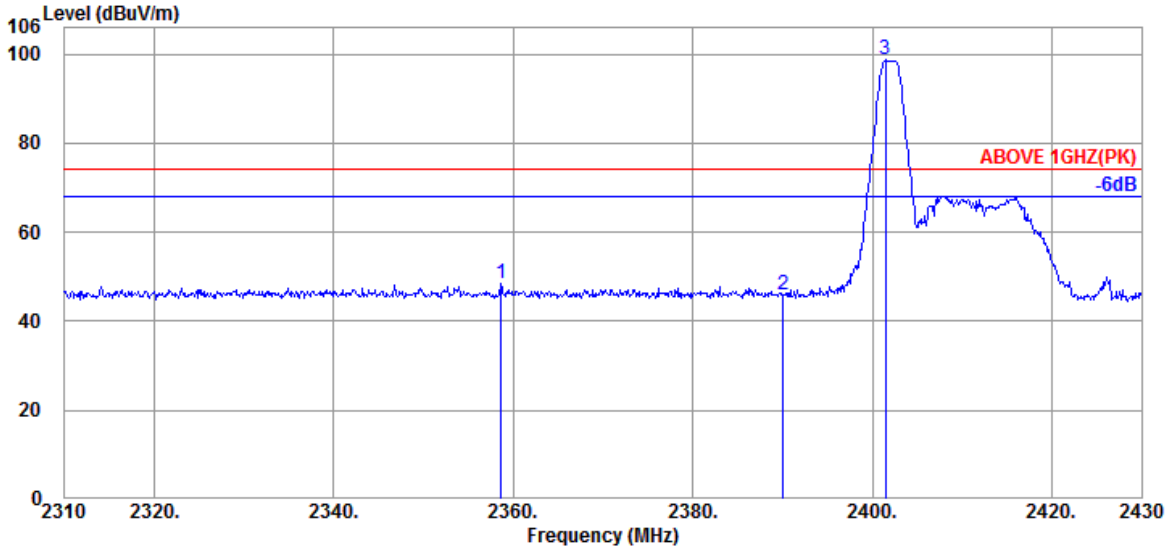
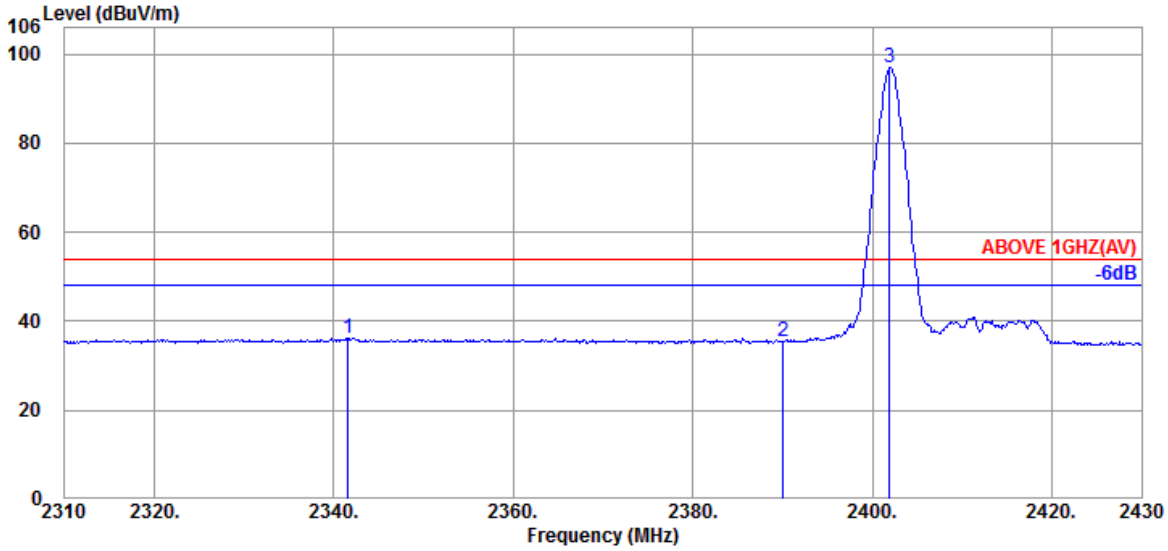
Mode	BLE (2M)	Frequency	TX 2402MHz



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
	2358.600	32.33	8.49	34.58	42.12	48.36	74.00	25.64	Peak
	2390.040	32.44	8.52	34.58	39.71	46.09	74.00	27.91	Peak
@	2401.440	32.50	8.52	34.59	92.18	98.61	---	---	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
	2341.560	32.17	8.48	34.57	30.24	36.32	54.00	17.68	Average
	2390.040	32.44	8.52	34.58	29.03	35.41	54.00	18.59	Average
@	2401.920	32.50	8.52	34.59	90.40	96.83	---	---	Average

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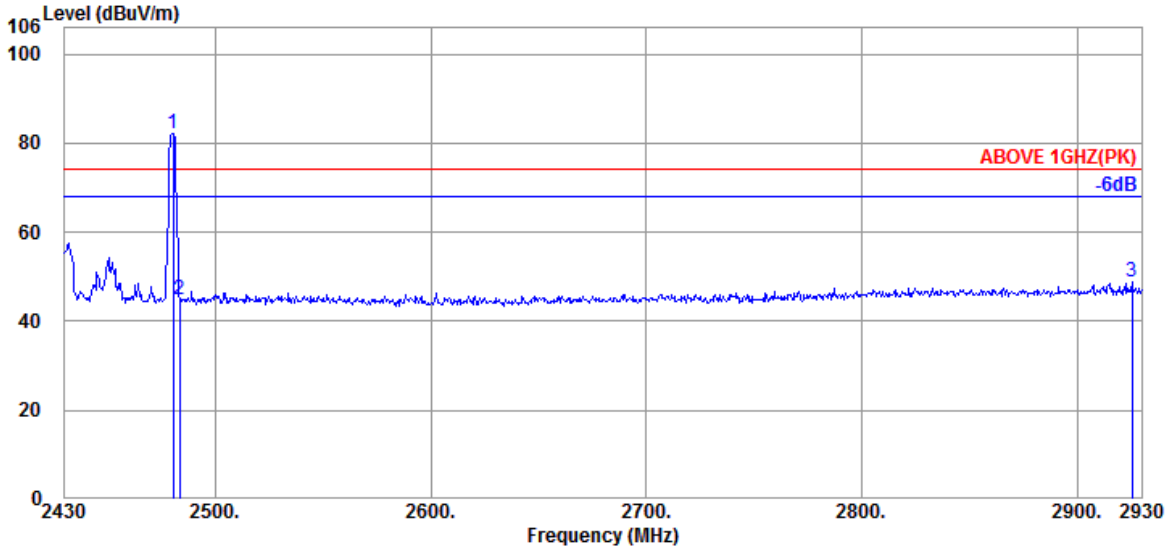
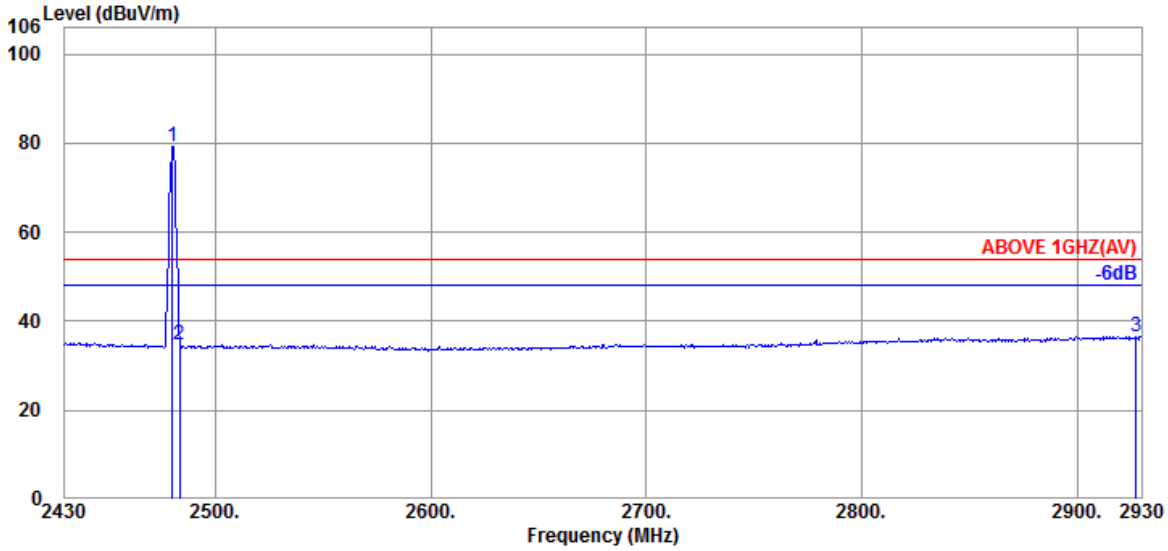
Mode	BLE (2M)	Frequency	TX 2480MHz



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
@	2480.500	32.11	8.58	34.60	76.11	82.20	---	---	Peak
	2483.500	32.14	8.58	34.61	38.82	44.93	74.00	29.07	Peak
	2925.500	32.90	8.69	34.69	41.86	48.76	74.00	25.24	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
@	2480.000	32.11	8.58	34.60	73.19	79.28	---	---	Average
	2483.500	32.14	8.58	34.61	28.66	34.77	54.00	19.23	Average
	2927.500	32.93	8.69	34.69	29.69	36.62	54.00	17.38	Average

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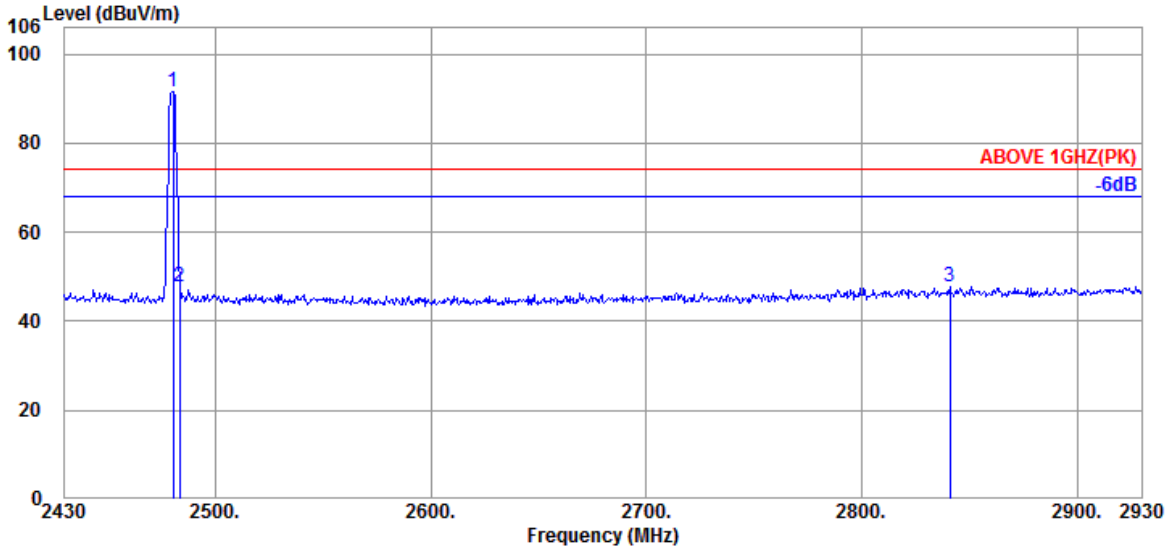
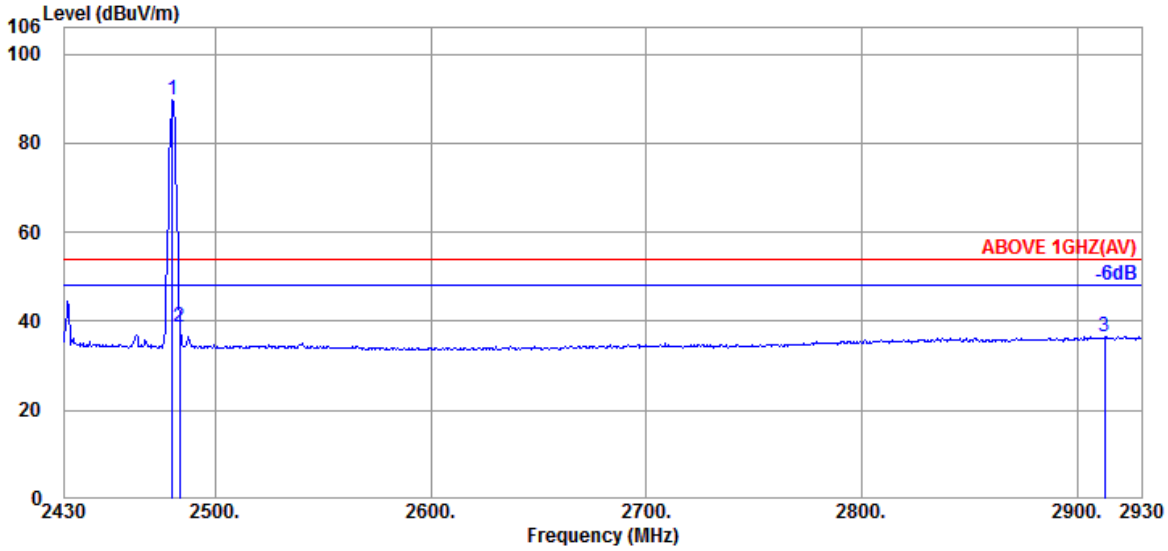
Mode	BLE (2M)	Frequency	TX 2480MHz



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
@	2480.500	32.11	8.58	34.60	85.53	91.62	---	---	Peak
	2483.500	32.14	8.58	34.61	41.55	47.66	74.00	26.34	Peak
	2841.000	33.02	8.67	34.67	40.62	47.64	74.00	26.36	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
@	2480.000	32.11	8.58	34.60	83.78	89.87	---	---	Average
	2483.500	32.14	8.58	34.61	32.48	38.59	54.00	15.41	Average
	2913.000	32.87	8.69	34.69	29.75	36.62	54.00	17.38	Average

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A.2.2 Emissions outside the frequency band:

The emissions (up to 25GHz) not reported for there is no emission be found.

Mode	802.11b	Frequency	TX 2442MHz

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
4884.000	34.03	10.24	34.45	31.79	41.61	54.00	12.39	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
4884.000	34.03	10.24	34.45	35.52	45.34	54.00	8.66	Peak

Mode	802.11g	Frequency	TX 2442MHz

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
4884.000	34.03	10.24	34.45	30.30	40.12	54.00	13.88	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
4884.000	34.03	10.24	34.45	31.31	41.13	54.00	12.87	Peak

Mode	802.11n-HT20	Frequency	TX 2442MHz

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
4884.000	34.03	10.24	34.45	31.61	41.43	54.00	12.57	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
4884.000	34.03	10.24	34.45	31.22	41.04	54.00	12.96	Peak

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Mode	802.11n-HT40	Frequency	TX 2442MHz

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
4884.000	34.03	10.24	34.45	29.69	39.51	54.00	14.49	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
4884.000	34.03	10.24	34.45	30.27	40.09	54.00	13.91	Peak

Mode	802.11ax-HE20	Frequency	TX 2442MHz

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
4882.000	34.03	10.24	34.45	31.44	41.26	54.00	12.74	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
4882.000	34.03	10.24	34.45	30.54	40.36	54.00	13.64	Peak

Mode	802.11ax-HE40	Frequency	TX 2442MHz

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
4882.000	34.03	10.24	34.45	30.74	40.56	54.00	13.44	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
4882.000	34.03	10.24	34.45	31.10	40.92	54.00	13.08	Peak

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Mode	BLE (2M)	Frequency	TX 2402MHz

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
4804.000	34.10	10.22	34.47	31.95	41.80	54.00	12.20	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
4804.000	34.10	10.22	34.47	32.47	42.32	54.00	11.68	Peak

Mode	BLE (2M)	Frequency	TX 2440MHz

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
4880.000	34.05	10.24	34.45	32.59	42.43	54.00	11.57	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
4880.000	34.05	10.24	34.45	30.32	40.16	54.00	13.84	Peak

Mode	BLE (2M)	Frequency	TX 2480MHz

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
4960.000	34.10	10.27	34.44	30.24	40.17	54.00	13.83	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
4960.000	34.10	10.27	34.44	29.52	39.45	54.00	14.55	Peak

A.2.3 Emissions in Non-restricted Frequency Bands:

Pursuant to ANSI C63.10:2013 that emission levels below the FCC 15.209(a)/RSS-Gen Section 8.9table 4 general radiated emissions limits is not required.

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A.3 6dB/OCCUPIED BANDWIDTH

Test Date	2020/09/28~29	Temp./Hum.	23~24℃/51~52%
Cable Loss	0.60dB	Tested By	Brian Hsieh
Test Voltage	AC 120V, 60Hz (via AC Adapter)		
Simultaneous Factor 10 log(n) (Note: "n" is antenna number)	802.11b/g/BLE: 0dB 802.11ax-HE20/40: 3dB 802.11n-HT20/40: 3dB		

A.3.1 Emission Bandwidth Result

Mode	Centre Frequency (MHz)	6 dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz)	Limit
802.11b	2412	10.10	13.316	>500kHz
	2442	10.09	13.789	
	2462	10.09	13.309	
	2472	10.09	13.282	
802.11g	2412	16.37	16.600	
	2442	16.38	17.724	
	2462	16.36	16.595	
	2472	16.37	16.359	
802.11n-HT20	2412	17.59	17.775	
	2442	17.62	17.805	
	2462	17.62	17.781	
	2472	17.61	17.559	
802.11n-HT40	2422	36.38	36.213	
	2442	36.38	36.208	
	2452	36.45	36.230	
	2462	36.43	36.106	
802.11ax-HE20	2412	18.77	19.030	
	2442	18.86	19.006	
	2462	18.80	19.017	
	2472	18.42	18.695	
802.11ax-HE40	2422	38.03	37.752	
	2442	37.90	37.732	
	2452	37.82	37.712	
	2462	37.69	37.518	

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Mode	RU Configuration	Centre Frequency (MHz)	6 dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz)	Limit
802.11ax-HE20	26/0	2412	2.083	18.354	>500kHz
	52/37		17.02	18.248	
	106/53		17.14	18.123	
	26/8	2472	2.012	18.059	
	52/40		16.94	17.955	
	106/54		17.04	17.998	
802.11ax-HE40	242/61	2422	18.72	18.752	
	242/62	2462	18.42	18.456	

Mode	Centre Frequency (MHz)	6 dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz)	Limit
BLE (1M)	2402	0.6686	1.0613	>500kHz
	2440	0.6727	1.0592	
	2480	0.6924	1.0585	
BLE (2M)	2402	1.118	2.0690	
	2440	1.119	2.0653	
	2480	1.132	2.0649	
BLE (PHY Coded S8)	2402	0.6632	1.0619	
	2440	0.6687	1.0628	
	2480	0.6722	1.0570	
BLE (PHY Coded S2)	2402	0.6056	1.0452	
	2440	0.6101	1.0464	
	2480	0.6065	1.0466	

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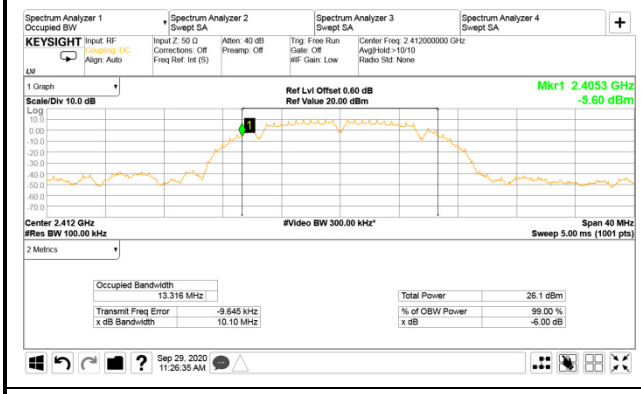
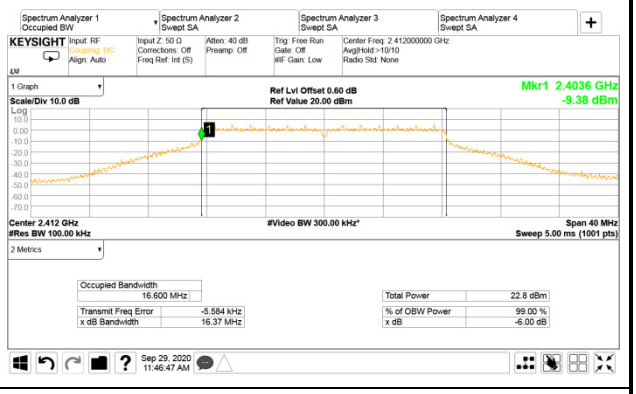
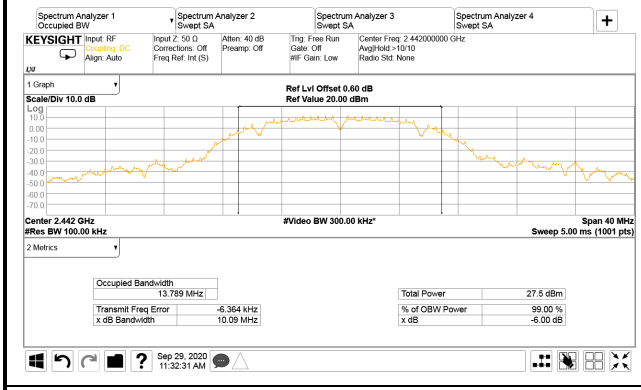
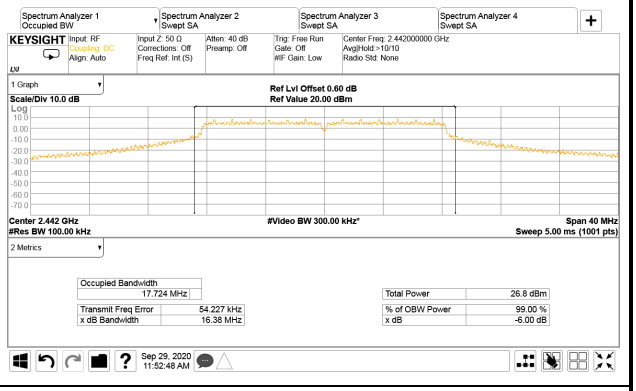
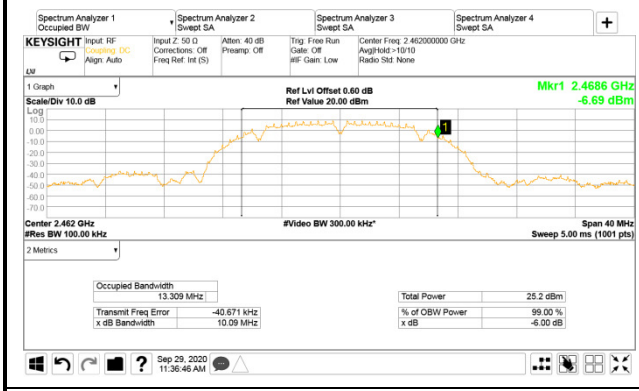
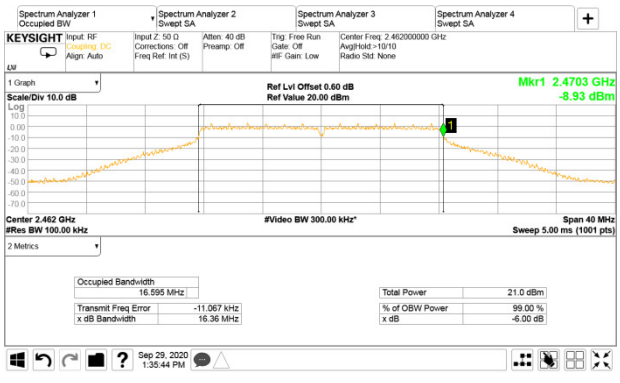
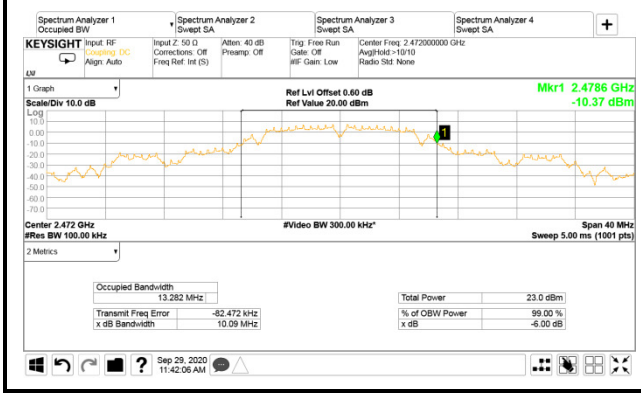
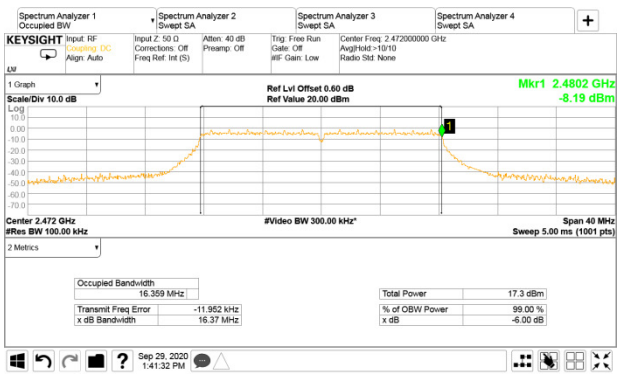
A.3.2 Measurement Plots

802.11b	802.11g
	
	
	
	

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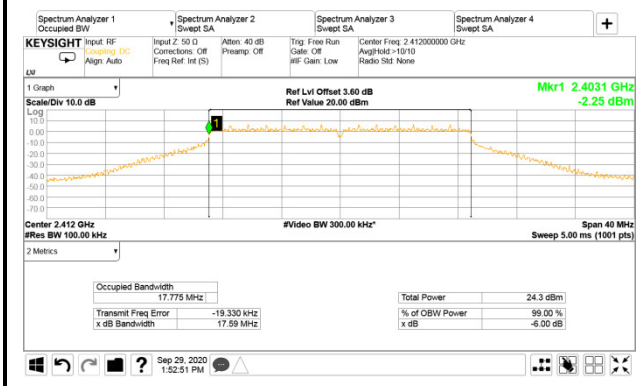
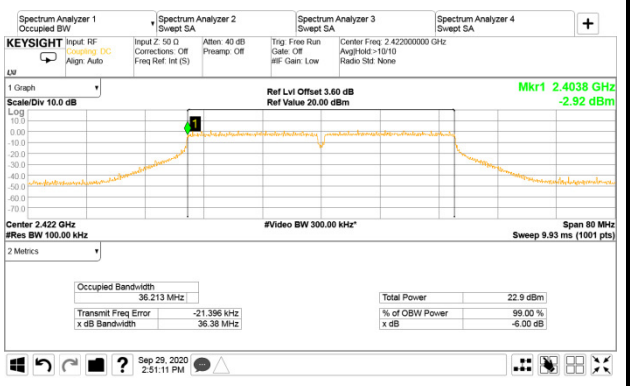
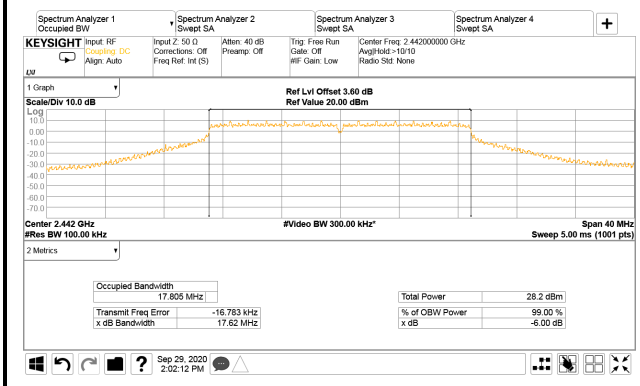
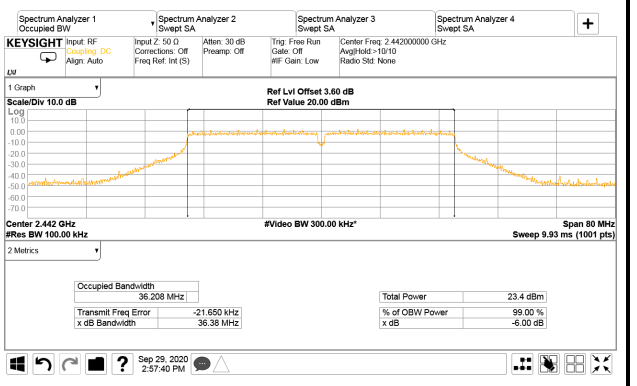
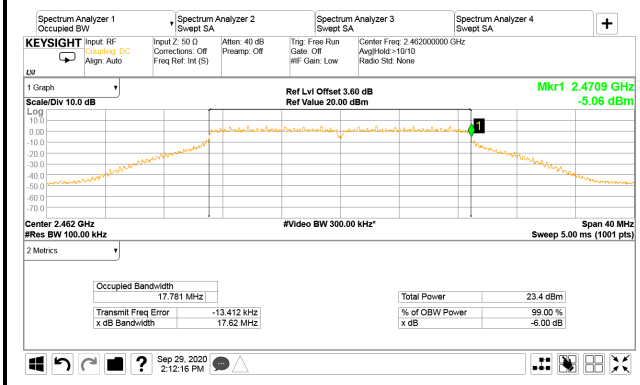
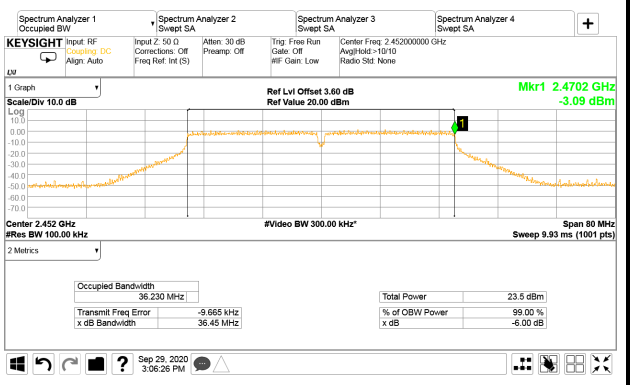
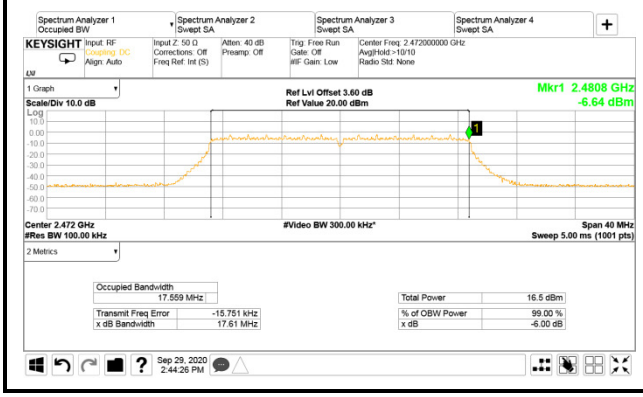
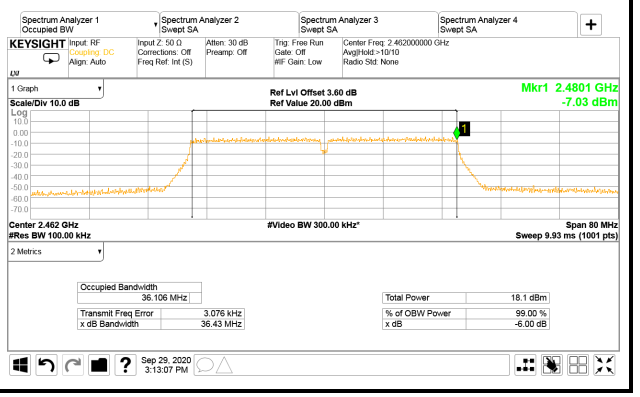
802.11n-HT20	802.11n-HT40
	
	
	
	

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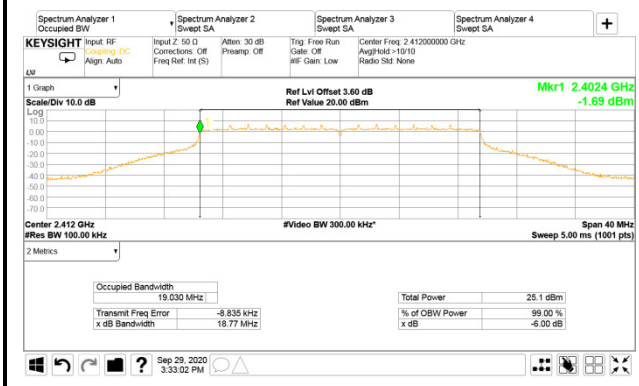
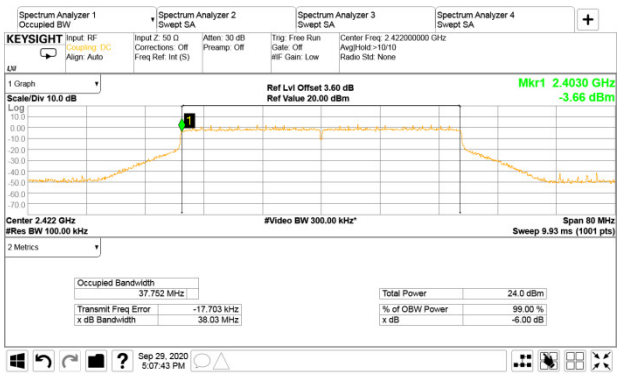
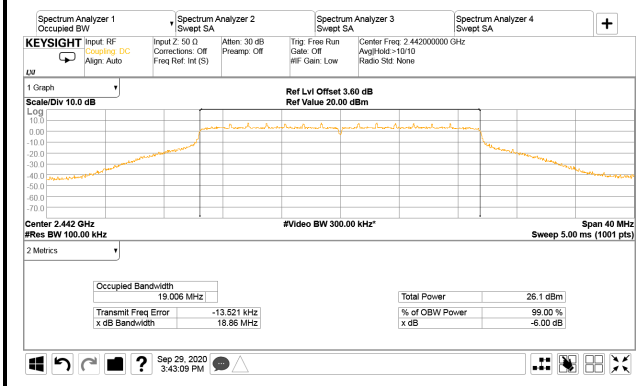
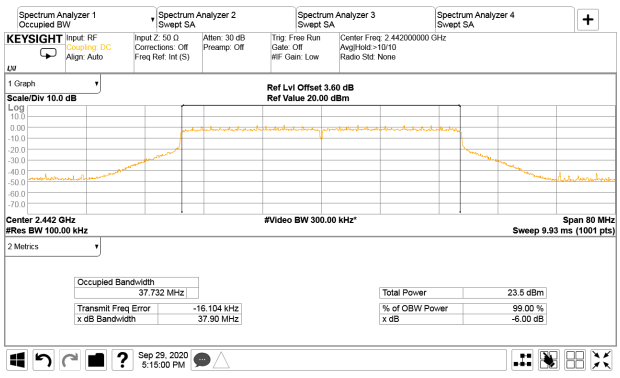
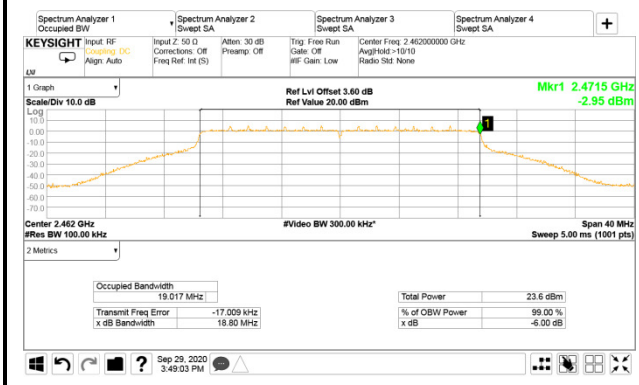
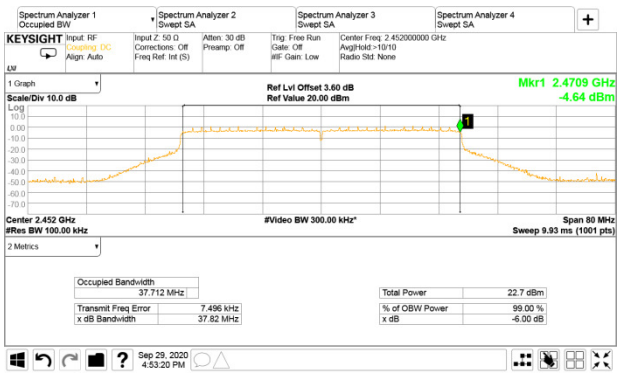
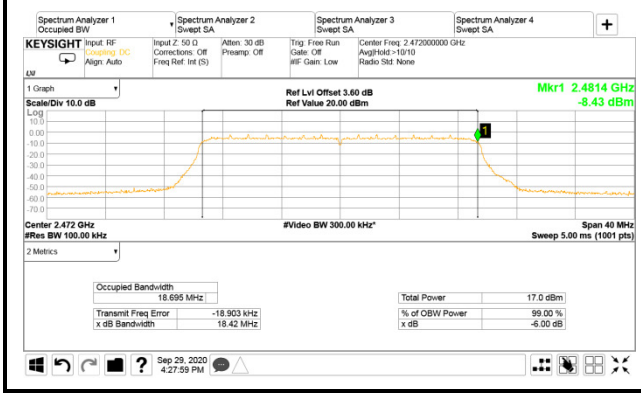
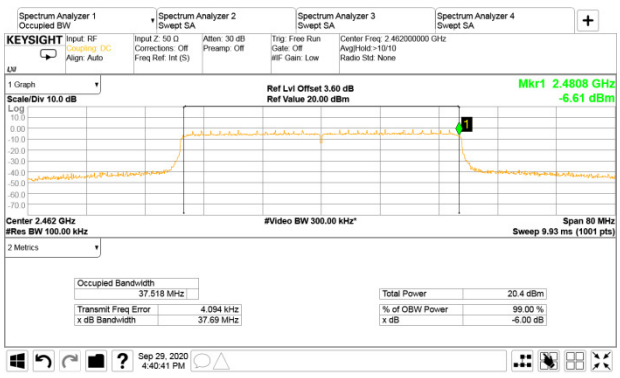
802.11ax-HE20	802.11ax-HE40
	
	
	
	

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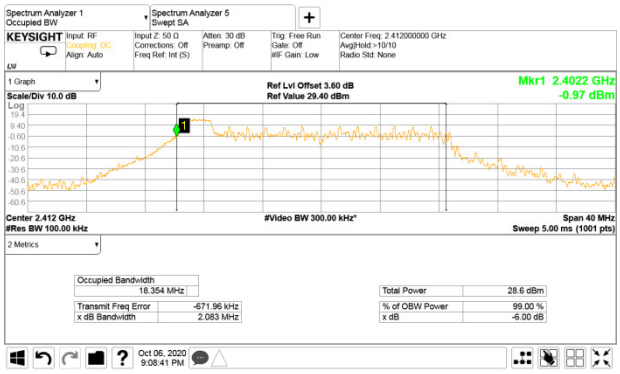
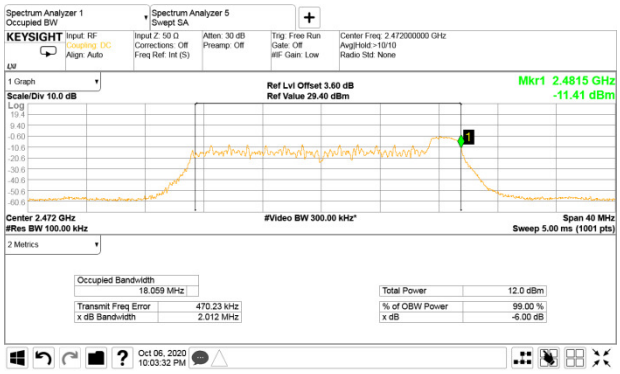
802.11ax-HE20	
2412MHz	2472MHz
RU Configuration: 26/0	RU Configuration: 26/8
	
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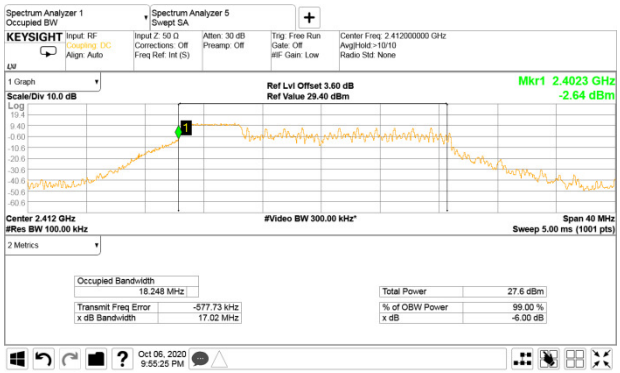	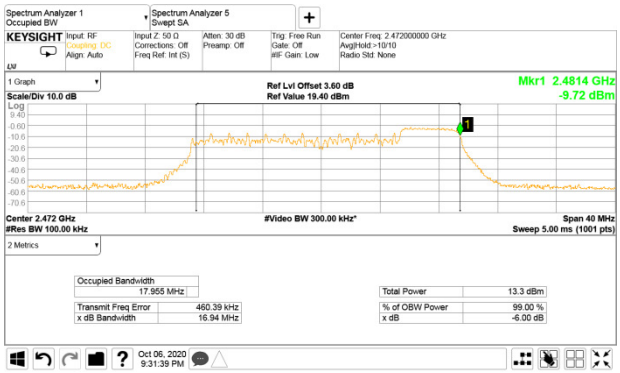
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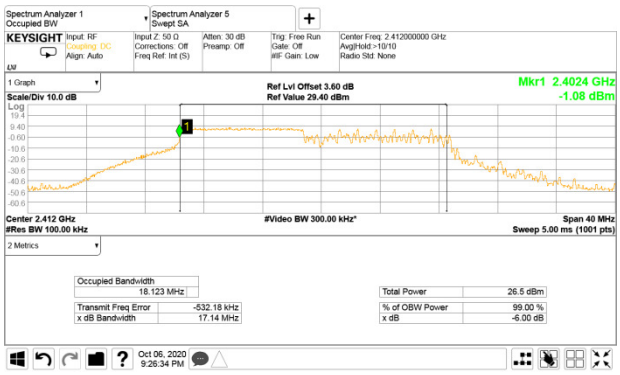	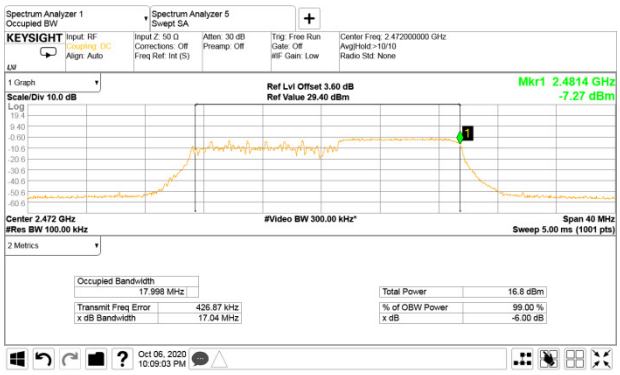

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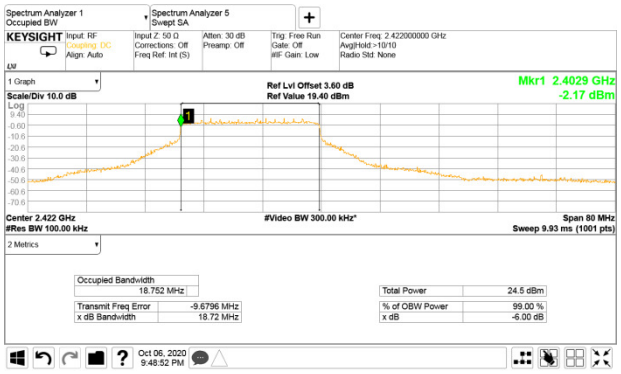
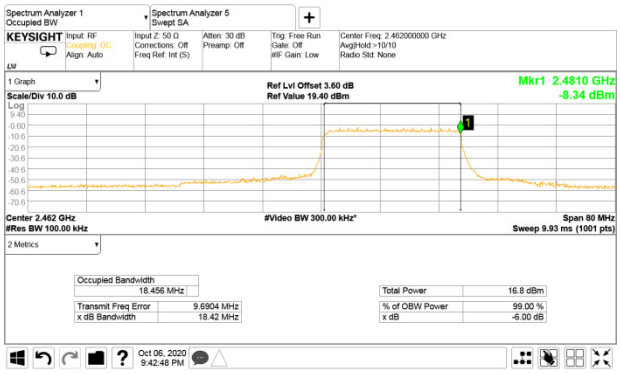
802.11ax-HE40	
2422MHz	2462MHz
RU Configuration: 242/61	RU Configuration: 242/62
	

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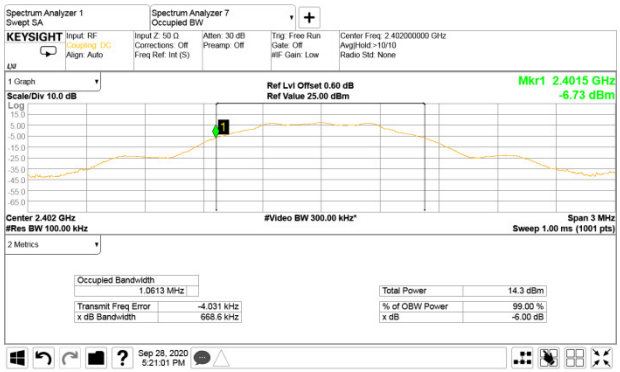
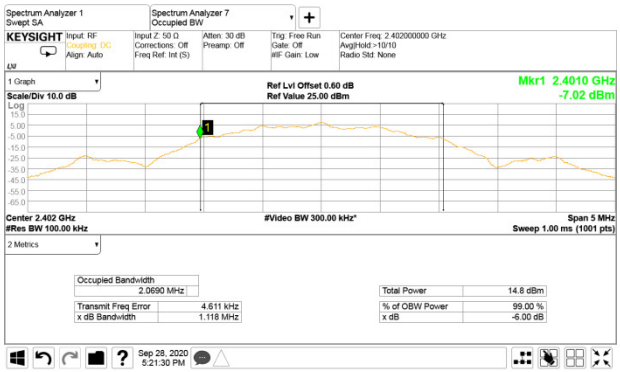
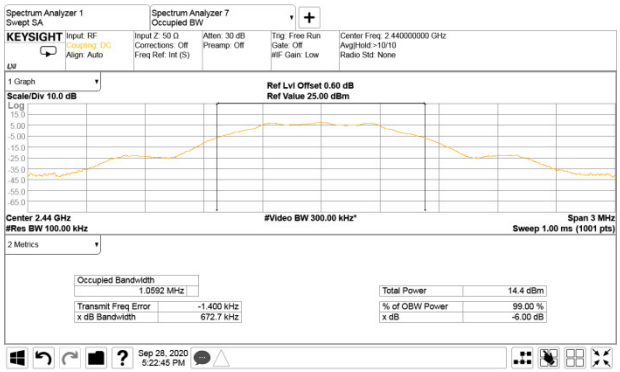
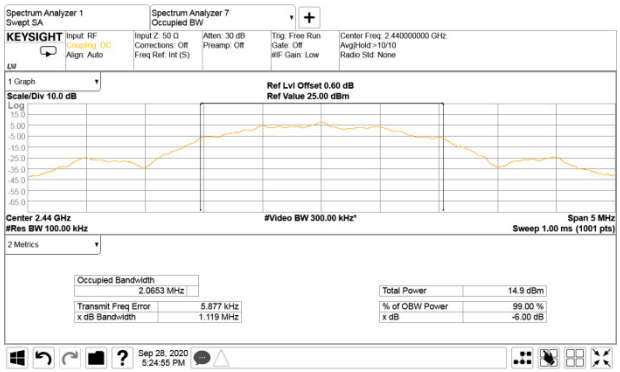
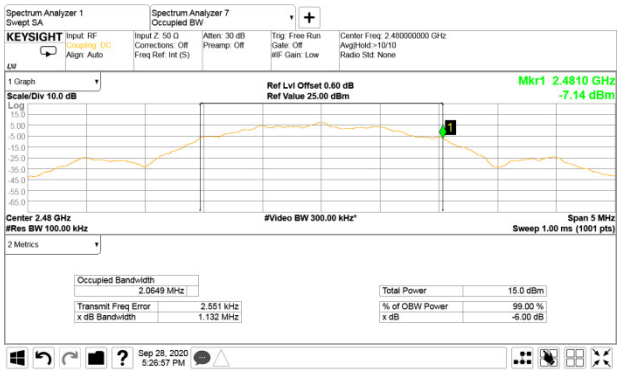
BLE	
1M	2M
	
	
	

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