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# FCC Test Report

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Report No.: AGC02115200601FE05

**FCC ID** : 2AG6IANAFIM3  
**APPLICATION PURPOSE** : Original Equipment  
**PRODUCT DESIGNATION** : ANAFI USA  
**BRAND NAME** : PARROT  
**MODEL NAME** : anamk3  
**APPLICANT** : PARROT DRONE SAS  
**DATE OF ISSUE** : Sep. 02, 2020  
**STANDARD(S)** : FCC Part 15.247  
**TEST PROCEDURE(S)**  
**REPORT VERSION** : V1.0

**Attestation of Global Compliance (Shenzhen) Co., Ltd**



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### REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Sep. 02, 2020	Valid	Initial Release

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## 1. VERIFICATION OF CONFORMITY

<b>Applicant</b>	PARROT DRONE SAS
<b>Address</b>	174 Quai de Jemmapes, Paris 75010 France
<b>manufacturer</b>	NEO Tech
<b>Address</b>	125 Fisher St, Westborough, MA 01581, États-Unis
<b>Factory</b>	NEO Tech
<b>Address</b>	125 Fisher St, Westborough, MA 01581, États-Unis
<b>Product Designation</b>	ANAFI USA
<b>Brand Name</b>	PARROT
<b>Test Model</b>	anamk3
<b>Date of test</b>	Aug. 12, 2020 to Sep. 02, 2020
<b>Deviation</b>	No any deviation from the test method
<b>Condition of Test Sample</b>	Normal
<b>Test Result</b>	Pass
<b>Report Template</b>	AGCRT-US-BGN/RF

We hereby certify that:

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with radiated emission limits of FCC Rules Part 15.247.

Prepared By

*Sky Dong*

Sky Dong  
(Project Engineer)

Sep. 02, 2020

Reviewed By

*Max Zhang*

Max Zhang  
(Reviewer)

Sep. 02, 2020

Approved By

*Forrest Lei*

Forrest Lei  
(Authorized Officer)

Sep. 02, 2020

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## 2. GENERAL INFORMATION

### 2.1. PRODUCT DESCRIPTION

The EUT is designed as “ANAFI USA”. It is designed by way of utilizing the DSSS and OFDM technology to achieve the system operation.

A major technical description of EUT is described as following

<b>Operation Frequency</b>	2.412 GHz~2.462GHz
<b>Output Power(Average)</b>	IEEE 802.11b:20.84dBm; IEEE 802.11g:12.66dBm; IEEE 802.11n(20): 12.55dBm
<b>Output Power(Peak)</b>	IEEE 802.11b:23.40dBm; IEEE 802.11g:21.42dBm; IEEE 802.11n(20): 21.32dBm
<b>Modulation (WIFI)</b>	DSSS(DBPSK/DQPSK/CCK);OFDM(BPSK/QPSK/16-QAM/64-QAM)
<b>Modulation(2.4G 10MHz)</b>	CCK, OFDM
<b>Number of channels</b>	11
<b>Hardware Version</b>	HW00
<b>Software Version</b>	anafi-ua-1.2.2-rc2
<b>Antenna Designation</b>	Integral antenna
<b>Antenna Gain</b>	3.5dBi
<b>Power Supply</b>	DC 11.55V by battery or DC 5V by adapter

Note: 1. The EUT has four antennas. Antenna 1 is the Front Left Antenna; Antenna 2 is the Front Right Antenna; Antenna 3 is the Back Left Antenna; Antenna 4 is the Back Right Antenna.

2. Device is a just a 2x2 MIMO system. Antenna 1& 2, Antenna 1&3, Antenna 3& 4, Antenna 2& 4 can transmit simultaneously. Device does not support 3TX & 4TX mode.

3. The maximum antenna gain is 3.5dBi, the device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0 dB (i.e., no array gain) for  $N_{ANT} \leq 4$ ;

So: Directional gain =  $G_{ANT} + \text{Array Gain} = 3.5\text{dBi} < 6\text{dBi}$

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**2.2. TABLE OF CARRIER FREQUENCIES**

Frequency Band	Channel Number	Frequency
2400~2483.5MHZ	1	2412 MHZ
	2	2417 MHZ
	3	2422 MHZ
	4	2427 MHZ
	5	2432 MHZ
	6	2437 MHZ
	7	2442 MHZ
	8	2447 MHZ
	9	2452 MHZ
	10	2457 MHZ
	11	2462 MHZ

Note: For 10/20MHZ bandwidth system use Channel 1 to Channel 11.

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### 2.3. IEEE 802.11N MODULATION SCHEME

MCS Index	Nss	Modulation	R	NBPS	NCBPS		NDBPS		Data rate(Mbps)
									800nsGI
					20MHz		20MHz		20MHz
0	1	BPSK	1/2	1	52		26		6.5
1	1	QPSK	1/2	2	104		52		13.0
2	1	QPSK	3/4	2	104		78		19.5
3	1	16-QAM	1/2	4	208		104		26.0
4	1	16-QAM	3/4	4	208		156		39.0
5	1	64-QAM	2/3	6	312		208		52.0
6	1	64-QAM	3/4	6	312		234		58.5
7	1	64-QAM	5/6	6	312		260		65.0

Symbol	Explanation
NSS	Number of spatial streams
R	Code rate
NBPS	Number of coded bits per single carrier
NCBPS	Number of coded bits per symbol
NDBPS	Number of data bits per symbol
GI	Guard interval

### 2.4. RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for **FCC ID: 2AG6IANAFIM3** filing to comply with the FCC Part 15 requirements.

### 2.5. TEST METHODOLOGY

KDB 558074 D01 15.247 Meas Guidance v05: Guidance for compliance measurements on Digital transmission system, frequency hopping spread spectrum system, and hybrid system devices operating under section 15.247 of the FCC rules  
ANSI C63.10:2013 : American National Standard for Testing Unlicensed Wireless Devices

### 2.6. SPECIAL ACCESSORIES

Refer to section 5.2.

### 2.7. EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

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## 2.8. ANTENNA REQUIREMENT

This intentional radiator is designed with a permanently attached antenna of an antenna to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

For more information of the antenna, please refer to the APPENDIX B: PHOTOGRAPHS OF EUT.

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### 3. MEASUREMENT UNCERTAINTY

The uncertainty is calculated using the methods suggested in the “Guide to the Expression of Uncertainty in measurement” (GUM) published by CISPR and ANSI.

- Uncertainty of Conducted Emission,  $U_c = \pm 3.2$  dB
- Uncertainty of Radiated Emission below 1GHz,  $U_c = \pm 3.9$  dB
- Uncertainty of Radiated Emission above 1GHz,  $U_c = \pm 4.8$  dB

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#### 4. DESCRIPTION OF TEST MODES

NO.	TEST MODE DESCRIPTION
1	Low channel TX
2	Middle channel TX
3	High channel TX
<p>Note:            Transmit by 802.11b with Data rate (1/2/5.5/11)            Transmit by 802.11g with Data rate (6/9/12/18/24/36/48/54)            Transmit by 802.11n with Data rate (6.5/13/19.5/26/39/52/58.5/65)            Transmit by 2.4G 10MHz CCK with Data rate (1/2/5.5/11)            Transmit by 2.4G 10MHz OFDM with Data rate (6/9/12/18/24/36/48/54)            Transmit by 2.4G 10MHz OFDM with Data rate (6.5/13/19.5/26/39/52/58.5/65)</p>	

**Note:**

1. The EUT has been set to operate continuously on the lowest, middle and highest operation frequency Individually, and the eut is operating at its maximum duty cycle>or equal 98%
2. All modes under which configure applicable have been tested and the worst mode test data recording in the test report, if no other mode data.
3. The test software is the QSPR V5.0-00099 which can set the EUT into the individual test modes.
4. For battery operated equipment, the battery is full charged during test.

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## 5. SYSTEM TEST CONFIGURATION

### 5.1. CONFIGURATION OF EUT SYSTEM

Configure :



### 5.2. EQUIPMENT USED IN EUT SYSTEM

Item	Equipment	Model No.	ID or Specification	Remark
1	ANAFI USA	anamk3	2AG6IANAFIM3	EUT
2	Adapter	N/A	N/A	AE
3	Charger line	N/A	N/A	AE

### 5.3. SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST	RESULT
§15.247	Output Power	Compliant
§15.247	6 dB Bandwidth	Compliant
§15.247	Conducted Spurious Emission	Compliant
§15.247	Maximum Conducted Output Power SPECTRAL Density	Compliant
§15.209	Radiated Emission	Compliant
§15.247	Band Edges	Compliant
§15.207	Line Conduction Emission	Compliant

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## 6. TEST FACILITY

<b>Test Site</b>	Attestation of Global Compliance (Shenzhen) Co., Ltd
<b>Location</b>	1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
<b>Designation Number</b>	CN1259
<b>FCC Test Firm Registration Number</b>	975832
<b>A2LA Cert. No.</b>	5054.02
<b>Description</b>	Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by A2LA

### TEST EQUIPMENT OF CONDUCTED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESPI	101206	May 15, 2020	May 14, 2021
LISN	R&S	ESH2-Z5	100086	Jul. 03,2020	Jul. 02,2021
Test software	R&S	ES-K1(Ver.V1.71)	N/A	N/A	N/A

### TEST EQUIPMENT OF RADIATED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESCI	10096	May 15, 2020	May 14, 2021
EXA Signal Analyzer	Aglient	N9010A	MY53470504	Dec. 12, 2019	Dec. 11, 2020
Power sensor	Aglient	U2021XA	MY54110007	Sep. 10, 2019	Sep. 09, 2020
2.4GHz Fliter	Micro-tronics	087	N/A	Feb. 26, 2020	Feb. 25, 2021
Attenuator	Weinachel Corp	58-30-33	N/A	Sep. 09, 2019	Sep. 08, 2020
Horn antenna	SCHWARZBECK	BBHA 9170	#768	Sep.21, 2019	Sep. 20, 2021
Active loop antenna (9K-30MHz)	ZHINAN	ZN30900C	18051	May 22, 2020	May 21, 2022
Active loop antenna (9K-30MHz)	ZHINAN	ZN30900C	00034609	May. 17, 2019	May. 16, 2021
Double-Ridged Waveguide Horn	ETS LINDGREN	3117	00034609	May. 17, 2019	May. 16, 2021
Broadband Preamplifier	ETS LINDGREN	3117PA	00225134	Oct. 15, 2019	Oct. 16, 2020
ANTENNA	SCHWARZBECK	VULB9168	D69250	Sep. 20, 2019	Sep. 19, 2021
Test software	Tonscend	JS32-RE (Ver.2.5)	N/A	N/A	N/A

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## 7. OUTPUT POWER

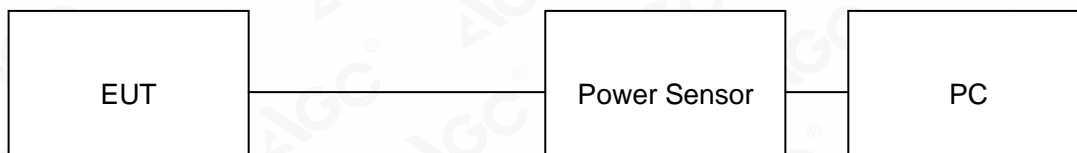
### 7.1. MEASUREMENT PROCEDURE

For average power test:

1. Connect EUT RF output port to power sensor through an RF attenuator.
2. Connect the power sensor to the PC.
3. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
4. Record the maximum power from the software.

**Note :** The EUT was tested according to ANSI C63.10 (2013) for compliance to FCC 47CFR 15.247 requirements.

### 7.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)



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### 7.3. LIMITS AND MEASUREMENT RESULT

#### Bandwidth 10 MHz

TEST ITEM	OUTPUT POWER
TEST MODE	CCK with data rate 1

Frequency (GHz)	Average Power Ant 1 (dBm)	Peak Power Ant 1 (dBm)	Average Power Ant 2 (dBm)	Peak Power Ant 2 (dBm)	Average Power Ant 3 (dBm)	Peak Power Ant 3 (dBm)	Average Power Ant 4 (dBm)	Peak Power Ant 4 (dBm)	All	Applicable Limits (dBm)	Pass or Fail
2.412	14.78	18.54	14.71	18.42	14.62	18.37	14.54	18.28	N/A	30	Pass
2.437	14.61	18.11	14.56	18.05	14.48	17.97	14.39	17.86	N/A	30	Pass
2.462	14.84	18.40	14.78	18.32	14.65	18.27	14.59	18.21	N/A	30	Pass

TEST ITEM	OUTPUT POWER
TEST MODE	OFDM with data rate 6

Frequency (GHz)	Average Power Ant 1 (dBm)	Peak Power Ant 1 (dBm)	Average Power Ant 2 (dBm)	Peak Power Ant 2 (dBm)	Average Power Ant 3 (dBm)	Peak Power Ant 3 (dBm)	Average Power Ant 4 (dBm)	Peak Power Ant 4 (dBm)	All	Applicable Limits (dBm)	Pass or Fail
2.412	12.21	21.42	12.15	21.35	12.09	21.31	12.01	21.28	N/A	30	Pass
2.437	12.10	21.17	12.03	21.07	11.97	21.02	11.84	20.96	N/A	30	Pass
2.462	12.29	21.41	12.22	21.36	12.16	21.29	12.07	21.18	N/A	30	Pass

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<b>TEST ITEM</b>	OUTPUT POWER
<b>TEST MODE</b>	OFDM with data rate 6.5

Frequency (GHz)	Average Power Ant 1 (dBm)	Peak Power Ant 1 (dBm)	Average Power Ant 2 (dBm)	Peak Power Ant 2 (dBm)	Average Power Ant 3 (dBm)	Peak Power Ant 3 (dBm)	Average Power Ant 4 (dBm)	Peak Power Ant 4 (dBm)	Applicable Limits (dBm)	Pass or Fail
2.412	9.16	18.37	9.12	18.25	9.04	18.21	8.97	18.17	30	Pass
2.437	8.98	18.15	8.92	18.03	8.86	17.99	8.79	17.94	30	Pass
2.462	9.23	18.36	9.15	18.24	9.13	18.16	9.04	18.11	30	Pass
Frequency (GHz)	Average Power Ant 1+2 (dBm)	Peak Power Ant 1+2 (dBm)	Average Power Ant 3+4 (dBm)	Peak Power Ant 3+4 (dBm)	Average Power Ant 1+3 (dBm)	Peak Power Ant 1+3 (dBm)	Average Power Ant 2+4 (dBm)	Peak Power Ant 2+4 (dBm)	Applicable Limits (dBm)	Pass or Fail
2.412	12.15	21.32	12.02	21.20	12.11	21.30	12.06	21.22	30	Pass
2.437	11.96	21.10	11.84	20.98	11.93	21.08	11.87	21.00	30	Pass
2.462	12.20	21.31	12.10	21.15	12.19	21.27	12.11	21.19	30	Pass

**Bandwidth 20 MHz**

<b>TEST ITEM</b>	OUTPUT POWER
<b>TEST MODE</b>	802.11b with data rate 1

Frequency (GHz)	Average Power Ant 1 (dBm)	Peak Power Ant 1 (dBm)	Average Power Ant 2 (dBm)	Peak Power Ant 2 (dBm)	Average Power Ant 3 (dBm)	Peak Power Ant 3 (dBm)	Average Power Ant 4 (dBm)	Peak Power Ant 4 (dBm)	All	Applicable Limits (dBm)	Pass or Fail
2.412	20.84	23.40	20.75	23.35	20.69	23.29	20.60	23.17	N/A	30	Pass
2.437	20.67	23.37	20.59	23.32	20.48	23.25	20.36	23.14	N/A	30	Pass
2.462	20.04	22.62	19.98	22.53	19.92	22.48	19.86	22.42	N/A	30	Pass

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<b>TEST ITEM</b>	OUTPUT POWER
<b>TEST MODE</b>	802.11g with data rate 6

Frequency (GHz)	Average Power Ant 1 (dBm)	Peak Power Ant 1 (dBm)	Average Power Ant 2 (dBm)	Peak Power Ant 2 (dBm)	Average Power Ant 3 (dBm)	Peak Power Ant 3 (dBm)	Average Power Ant 4 (dBm)	Peak Power Ant 4 (dBm)	All	Applicable Limits (dBm)	Pass or Fail
2.412	12.50	20.94	12.46	20.87	12.41	20.84	12.34	20.76	N/A	30	Pass
2.437	12.31	20.75	12.29	20.71	12.24	20.64	12.15	20.59	N/A	30	Pass
2.462	12.66	21.08	12.61	21.01	12.54	20.95	12.46	20.87	N/A	30	Pass

<b>TEST ITEM</b>	OUTPUT POWER
<b>TEST MODE</b>	802.11n 20 with data rate 6.5

Frequency (GHz)	Average Power Ant 1 (dBm)	Peak Power Ant 1 (dBm)	Average Power Ant 2 (dBm)	Peak Power Ant 2 (dBm)	Average Power Ant 3 (dBm)	Peak Power Ant 3 (dBm)	Average Power Ant 4 (dBm)	Peak Power Ant 4 (dBm)	Applicable Limits (dBm)	Pass or Fail
2.412	9.28	17.61	9.25	17.56	9.18	17.50	9.13	17.43	30	Pass
2.437	9.14	17.61	9.08	17.54	9.02	17.48	8.98	17.34	30	Pass
2.462	9.56	18.00	9.51	17.93	9.45	17.84	9.37	17.76	30	Pass
Frequency (GHz)	Average Power Ant 1+2 (dBm)	Peak Power Ant 1+2 (dBm)	Average Power Ant 3+4 (dBm)	Peak Power Ant 3+4 (dBm)	Average Power Ant 1+3 (dBm)	Peak Power Ant 1+3 (dBm)	Average Power Ant 2+4 (dBm)	Peak Power Ant 2+4 (dBm)	Applicable Limits (dBm)	Pass or Fail
2.412	12.28	20.60	12.17	20.48	12.24	20.57	12.20	20.51	30	Pass
2.437	12.12	20.59	12.01	20.42	12.09	20.56	12.04	20.45	30	Pass
2.462	12.55	20.98	12.42	20.81	12.52	20.93	12.45	20.86	30	Pass

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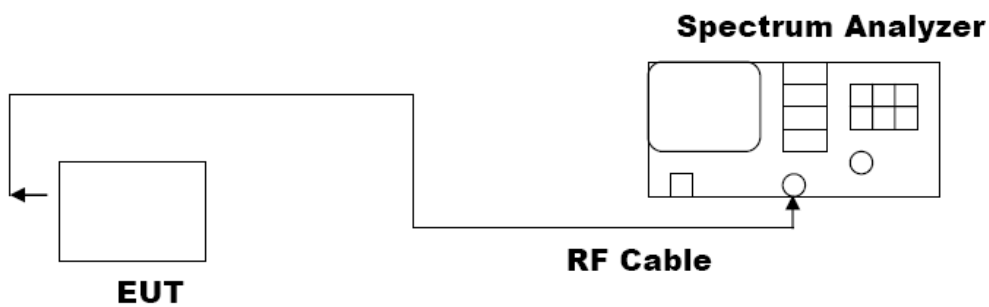
## 8. 6 DB BANDWIDTH

### 8.1. MEASUREMENT PROCEDURE

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
3. Set SPA Centre Frequency = Operation Frequency, RBW= 100 KHz, VBW  $\geq$   $\times$  RBW.
4. Set SPA Trace 1 Max hold, then View.

**Note:** The EUT was tested according to ANSI C63.10 (2013) for compliance to FCC 47CFR 15.247 requirements.

### 8.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)



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### 8.3. LIMITS AND MEASUREMENT RESULTS

#### Bandwidth 10 MHz

<b>TEST ITEM</b>	6DB BANDWIDTH
<b>TEST MODE</b>	CCK with data rate 11

LIMITS AND MEASUREMENT RESULT			
Applicable Limits	Applicable Limits		
	Test Data (MHz)		Criteria
>500KHZ	Low Channel	4.085	PASS
	Middle Channel	4.087	PASS
	High Channel	4.095	PASS

<b>TEST ITEM</b>	6DB BANDWIDTH
<b>TEST MODE</b>	OFDM with data rate 54

LIMITS AND MEASUREMENT RESULT			
Applicable Limits	Applicable Limits		
	Test Data (MHz)		Criteria
>500KHZ	Low Channel	8.194	PASS
	Middle Channel	8.204	PASS
	High Channel	8.209	PASS

<b>TEST ITEM</b>	6DB BANDWIDTH
<b>TEST MODE</b>	OFDM with data rate 65

LIMITS AND MEASUREMENT RESULT			
Applicable Limits	Applicable Limits		
	Test Data (MHz)		Criteria
>500KHZ	Low Channel	8.774	PASS
	Middle Channel	8.760	PASS
	High Channel	8.771	PASS

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**Bandwidth 20 MHz**

<b>TEST ITEM</b>	6DB BANDWIDTH
<b>TEST MODE</b>	802.11b with data rate 11

<b>LIMITS AND MEASUREMENT RESULT</b>			
<b>Applicable Limits</b>	<b>Applicable Limits</b>		
	<b>Test Data (MHz)</b>		<b>Criteria</b>
>500KHZ	Low Channel	7.593	PASS
	Middle Channel	8.074	PASS
	High Channel	8.123	PASS

<b>TEST ITEM</b>	6DB BANDWIDTH
<b>TEST MODE</b>	802.11g with data rate 54

<b>LIMITS AND MEASUREMENT RESULT</b>			
<b>Applicable Limits</b>	<b>Applicable Limits</b>		
	<b>Test Data (MHz)</b>		<b>Criteria</b>
>500KHZ	Low Channel	15.91	PASS
	Middle Channel	16.36	PASS
	High Channel	16.33	PASS

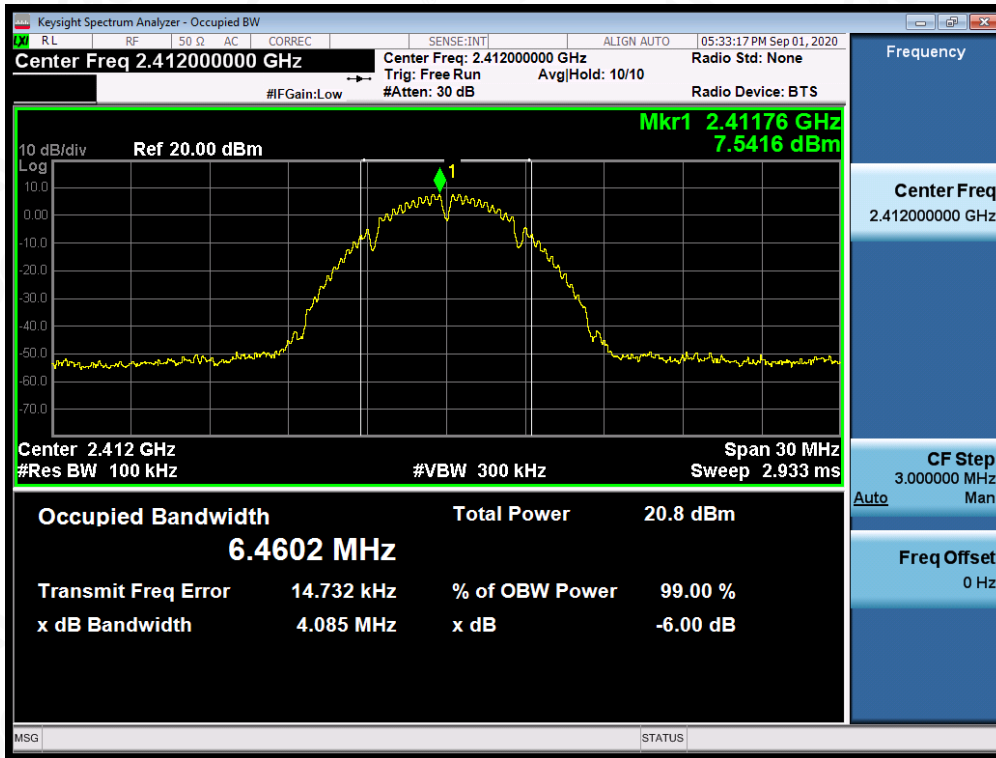
<b>TEST ITEM</b>	6DB BANDWIDTH
<b>TEST MODE</b>	802.11n 20 with data rate 65

<b>LIMITS AND MEASUREMENT RESULT</b>			
<b>Applicable Limits</b>	<b>Applicable Limits</b>		
	<b>Test Data (MHz)</b>		<b>Criteria</b>
>500KHZ	Low Channel	15.98	PASS
	Middle Channel	17.07	PASS
	High Channel	17.12	PASS

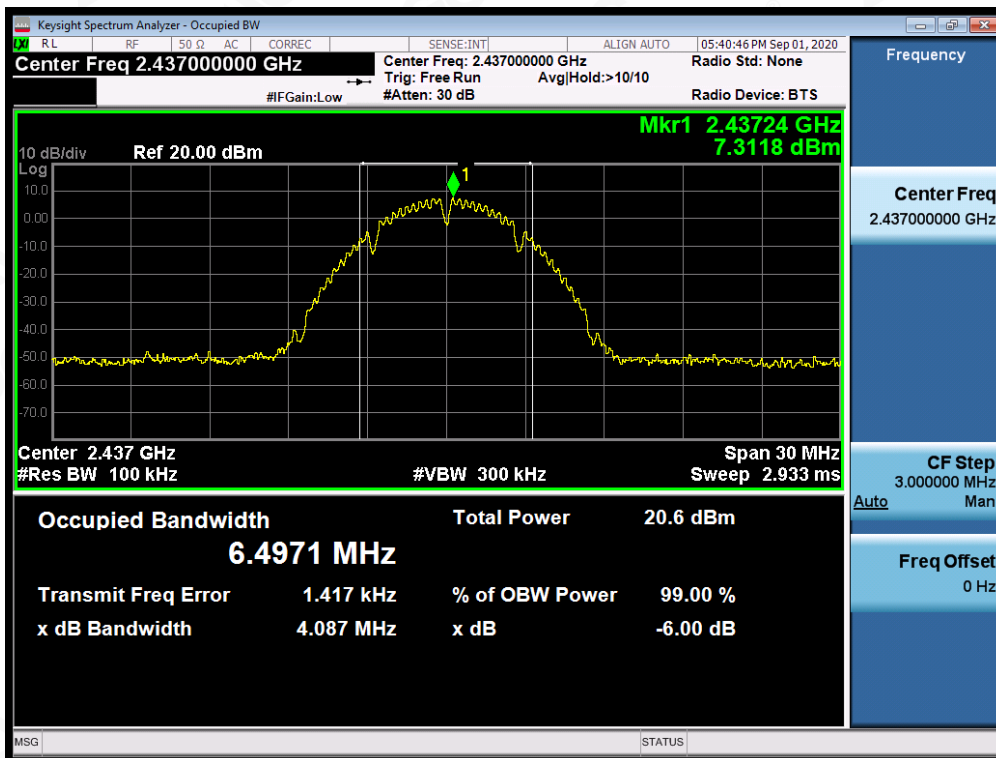
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**Bandwidth 10 MHz  
CCK TEST RESULT  
TEST PLOT OF BANDWIDTH FOR LOW CHANNEL**



**TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL**

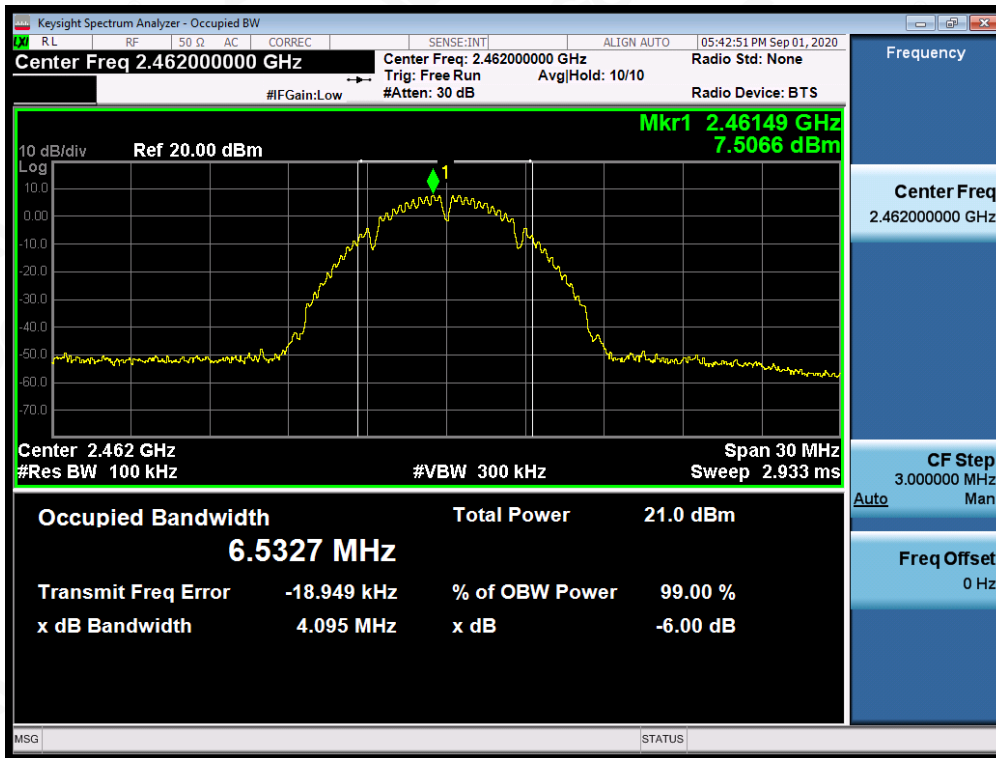


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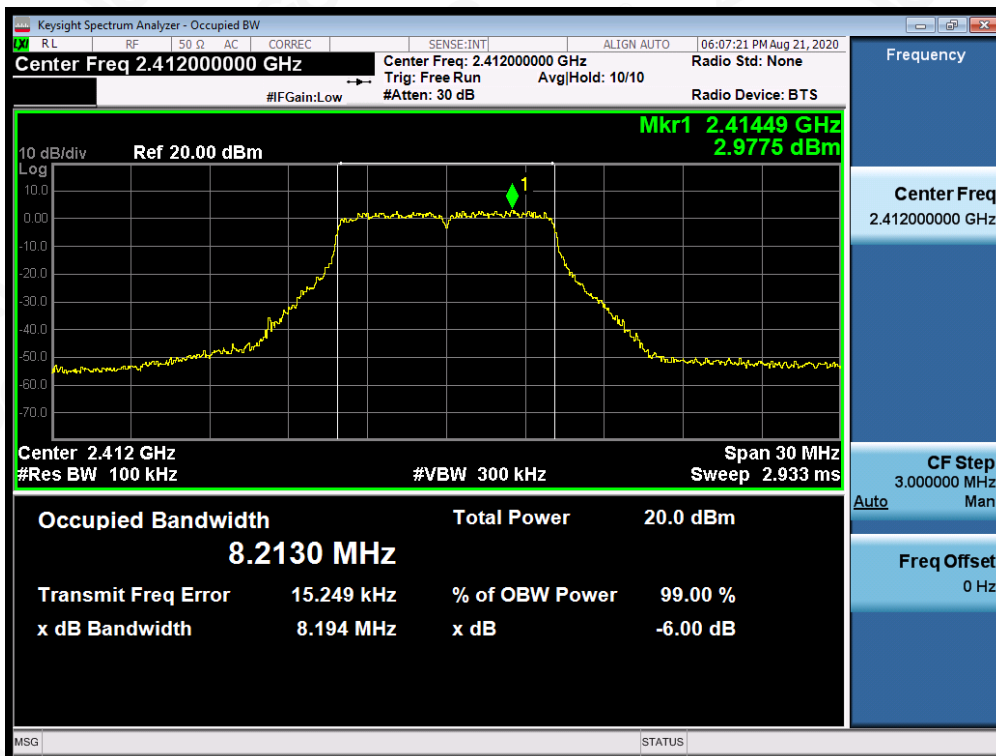


### TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



### OFDM TEST RESULT

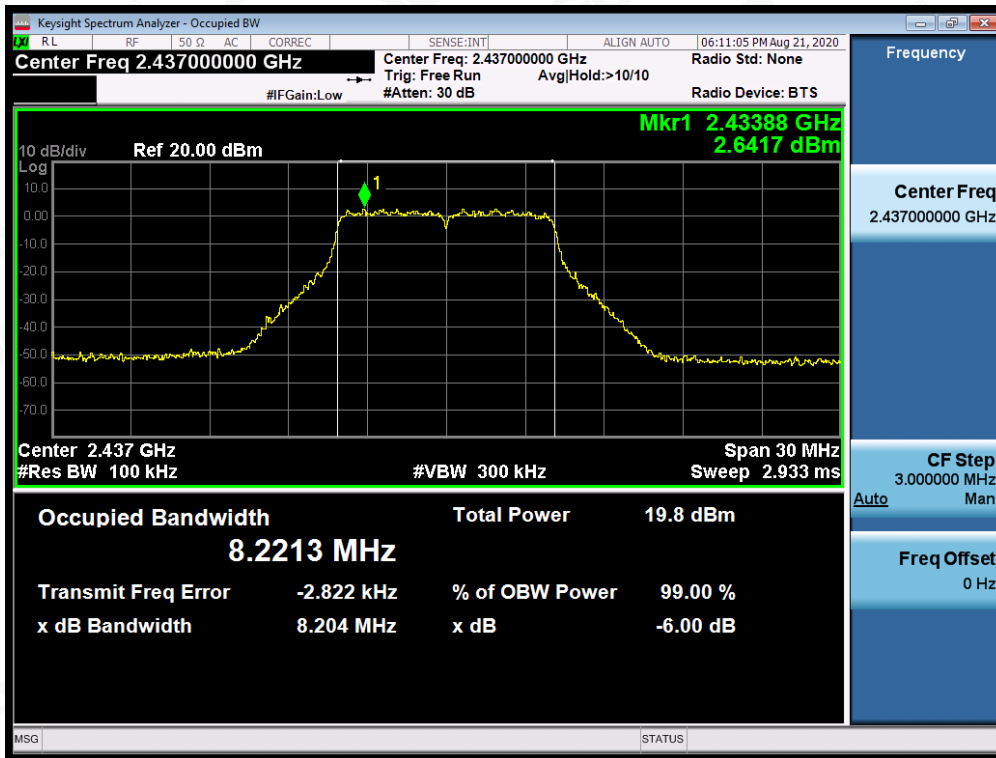
### TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



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TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



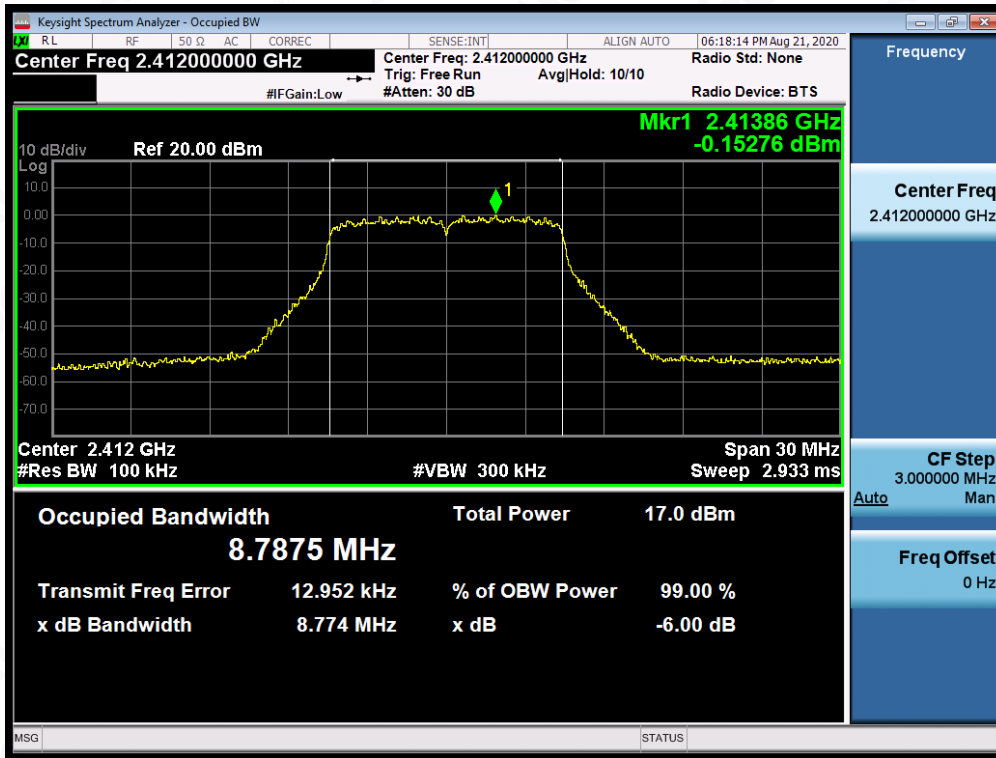
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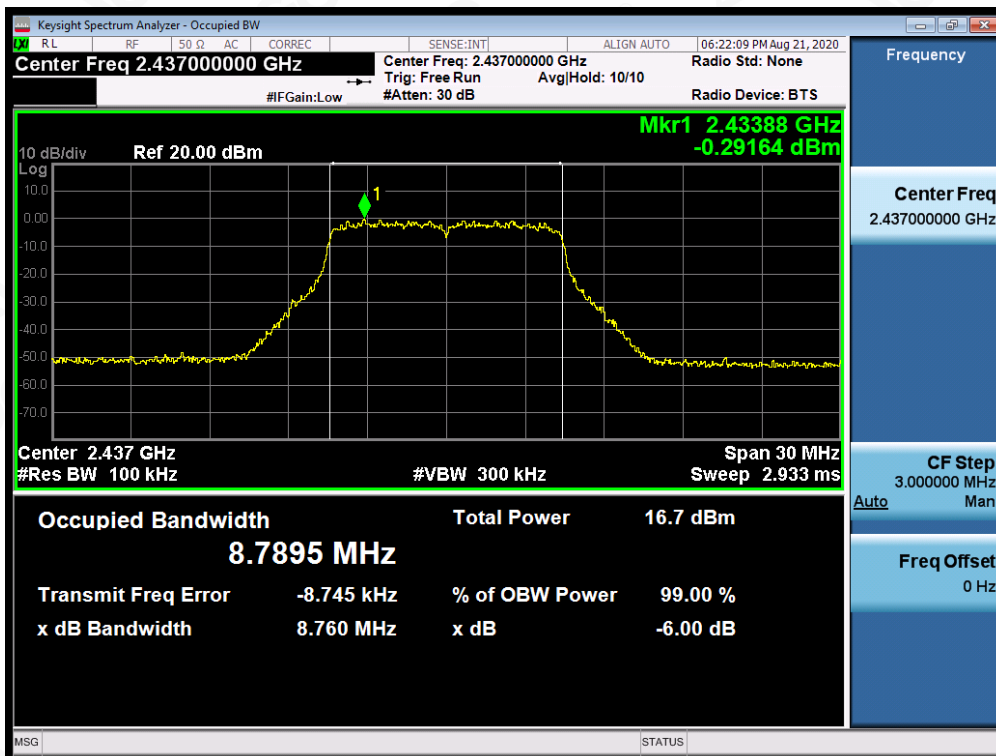


### OFDM TEST RESULT

#### TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



#### TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL

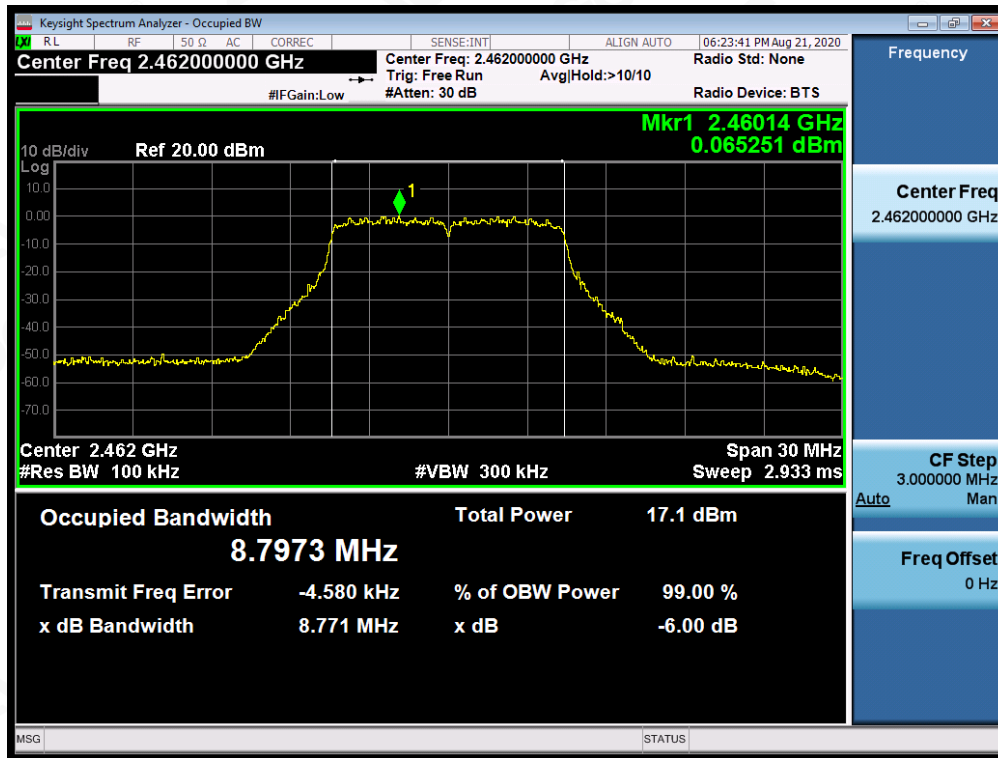


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TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



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**Bandwidth 20 MHz**  
**802.11b TEST RESULT**  
**TEST PLOT OF BANDWIDTH FOR LOW CHANNEL**



**TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL**



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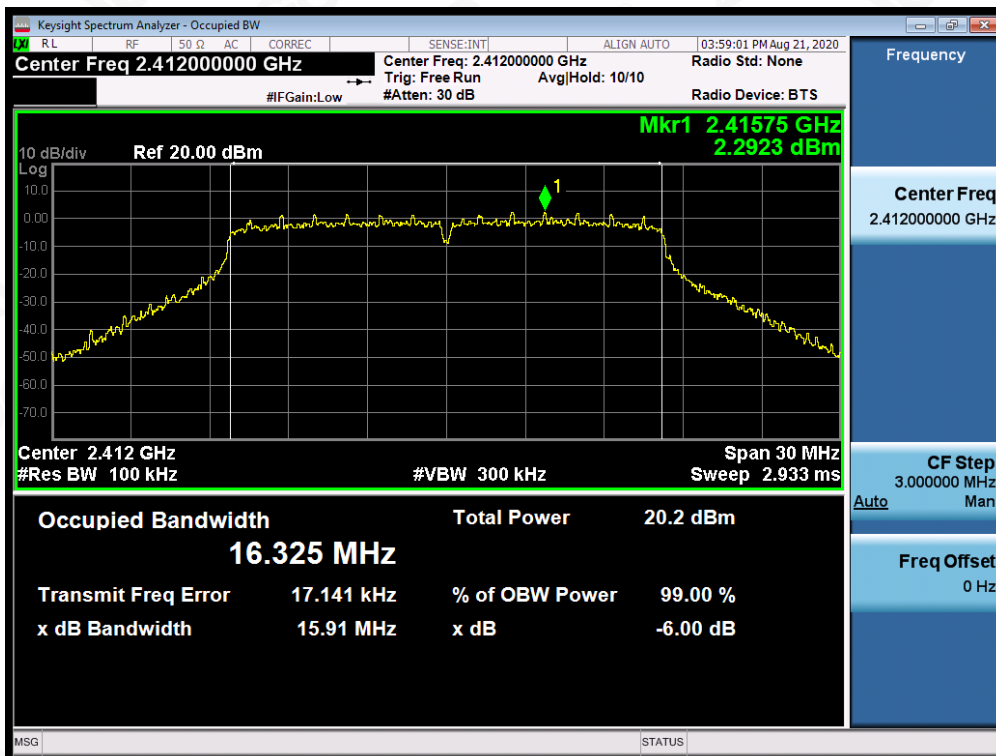


TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



802.11g TEST RESULT

TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



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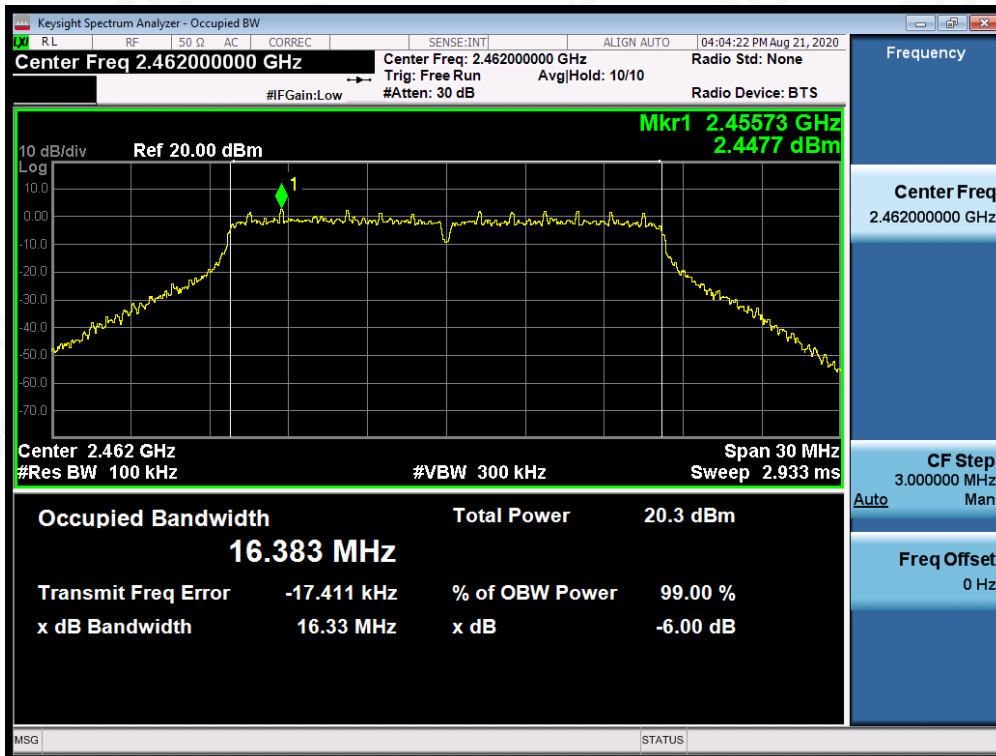
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TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



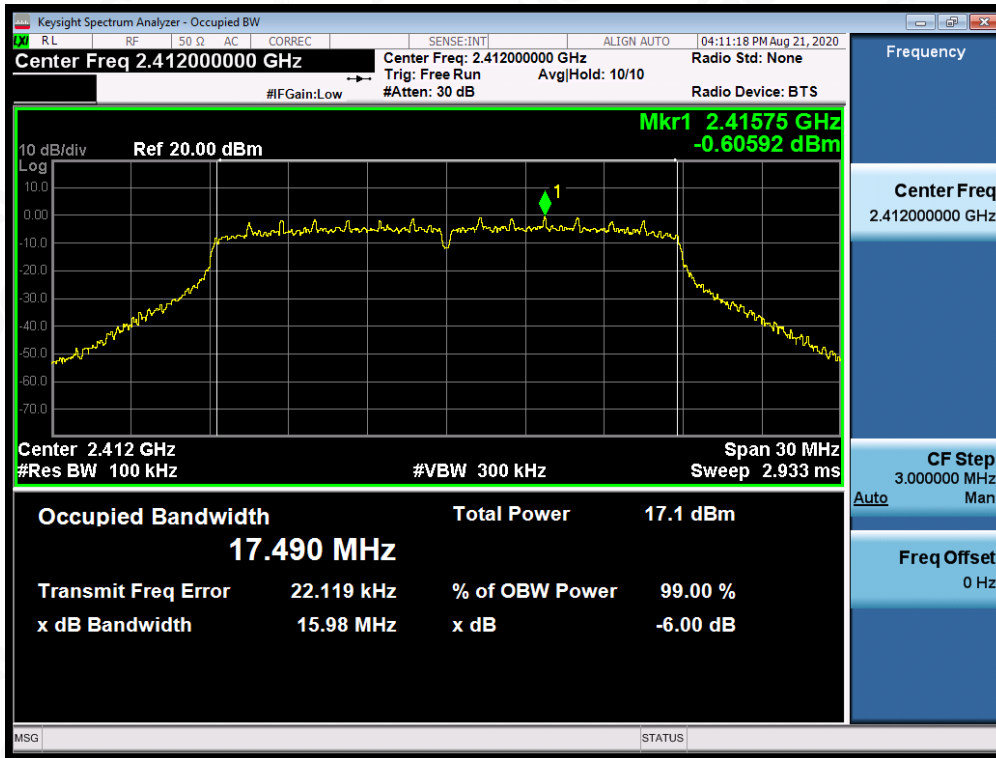
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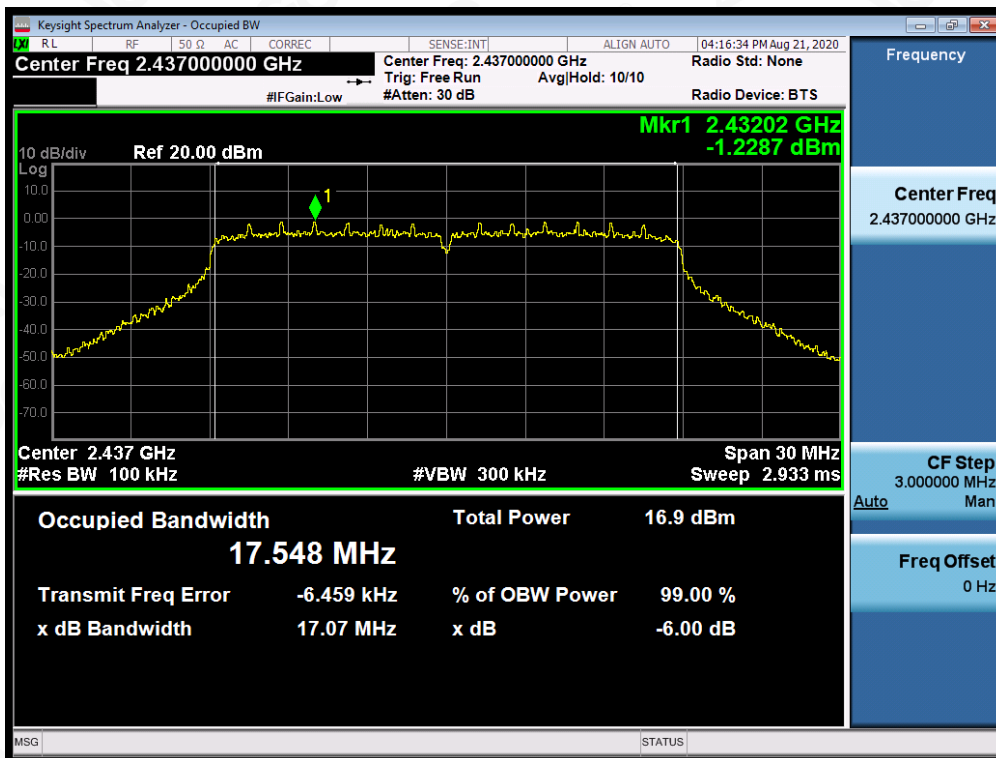


### 802.11n (20) TEST RESULT

#### TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



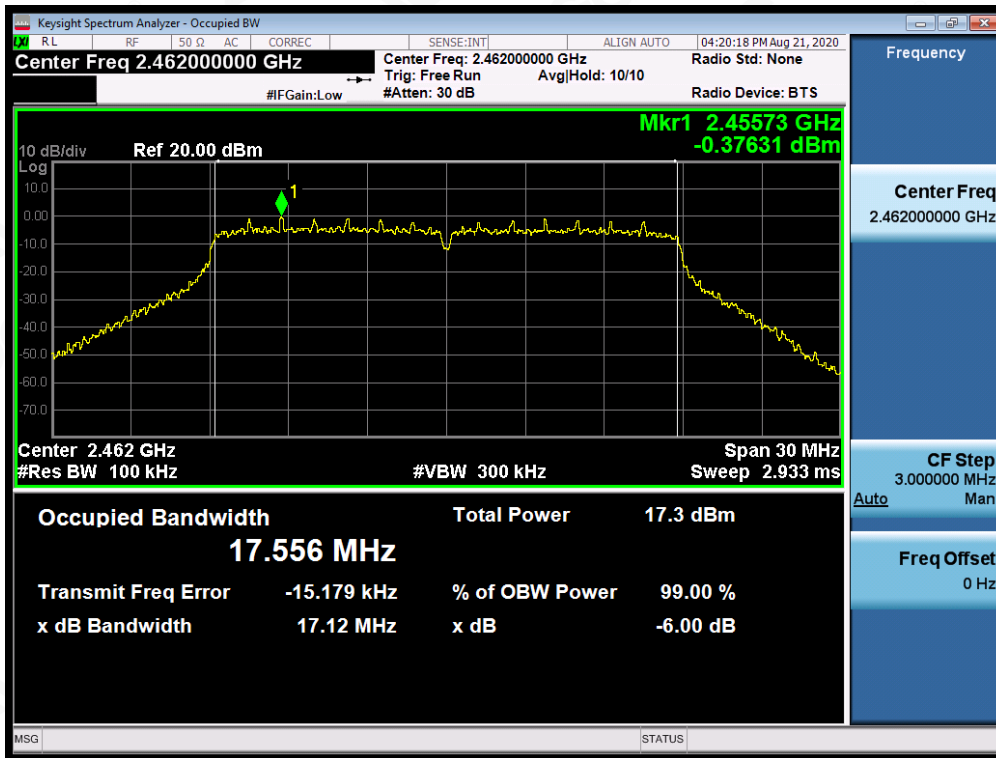
#### TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



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TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



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## 9. CONDUCTED SPURIOUS EMISSION

### 9.1. MEASUREMENT PROCEDURE

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
3. Set SPA Trace 1 Max hold, then View.

**Note:** The EUT was tested according to ANSI C63.10 (2013) for compliance to FCC 47CFR 15.247 requirements. Owing to satisfy the requirements of the number of measurement points, we set the RBW=1MHz, VBW > RBW, scan up through 10th harmonic, and consider the tested results as the worst case, if the tested results conform to the requirement, we can deem that the real tested results(set the RBW=100KHz, VBW > RBW) are conform to the requirement.

### 9.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

The same as described in section 8.2.

### 9.3. MEASUREMENT EQUIPMENT USED

The same as described in section 6.

### 9.4. LIMITS AND MEASUREMENT RESULT

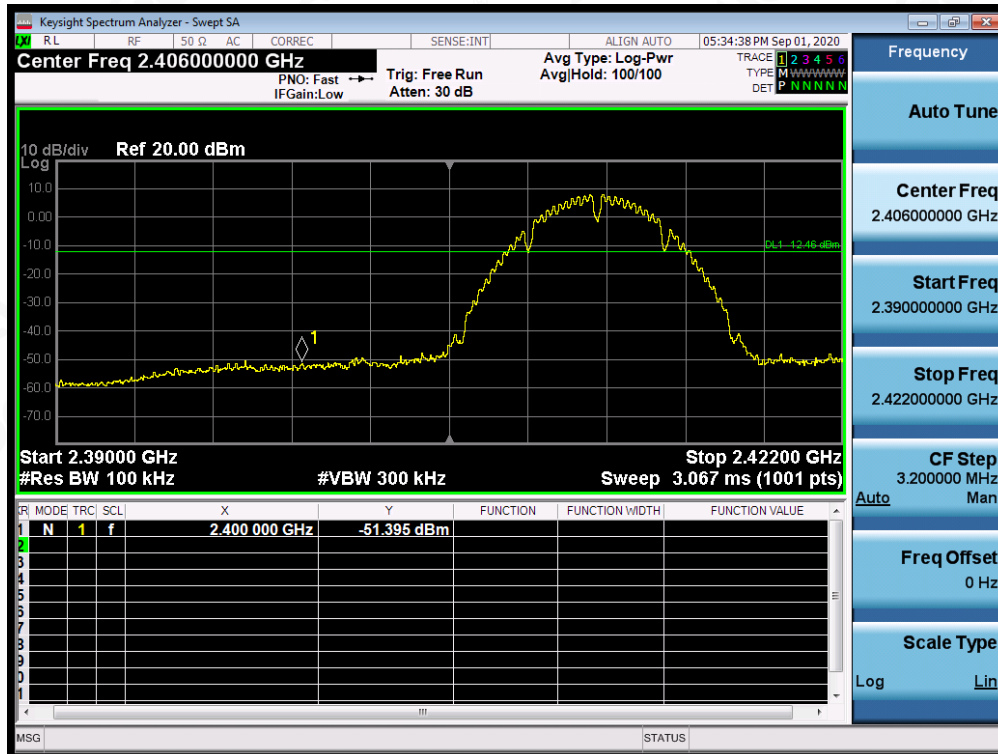
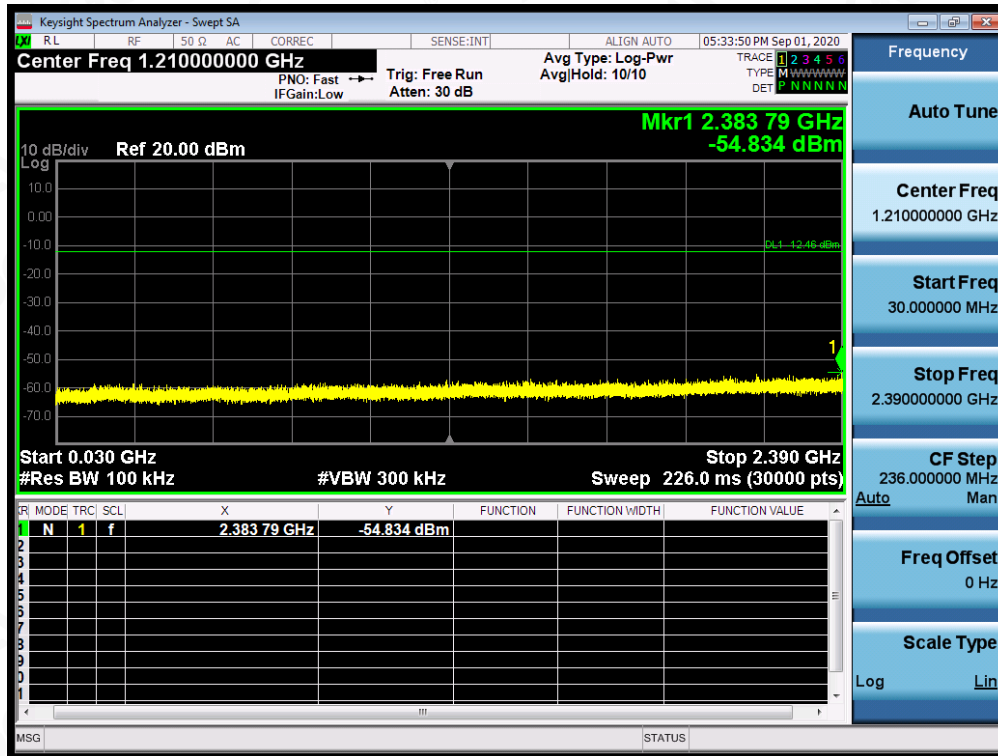
LIMITS AND MEASUREMENT RESULT		
Applicable Limits	Measurement Result	
	Test Data	Criteria
In any 100 KHz Bandwidth Outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produce by the intentional radiator shall be at least 20 dB below that in 100KHz bandwidth within the band that contains the highest level of the desired power. In addition, radiation emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in§15.209(a)	At least -20dBc than the limit Specified on the BOTTOM Channel	PASS
	At least -20dBc than the limit Specified on the TOP Channel	PASS

Note: The limits reference level is according to the test plot of -6dB bandwidth.

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**Bandwidth 10 MHz**  
**TEST PLOT OF OUT OF BAND EMISSIONS WITH THE WORST CASE**  
**OF CCK FOR MODULATION IN LOW CHANNEL**

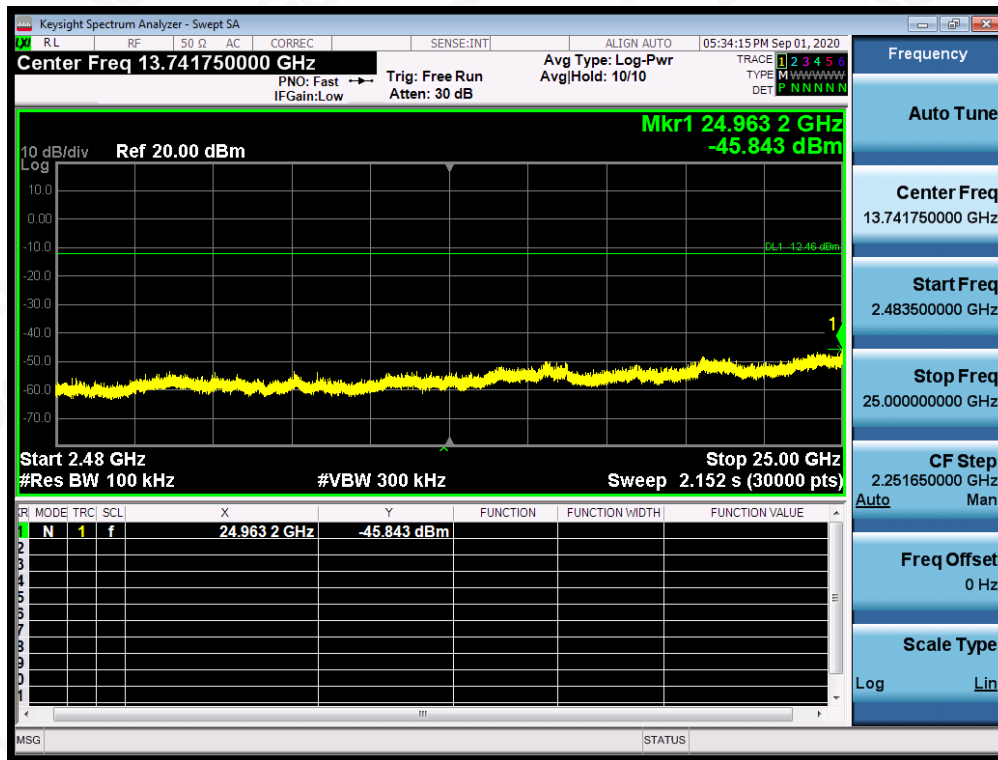


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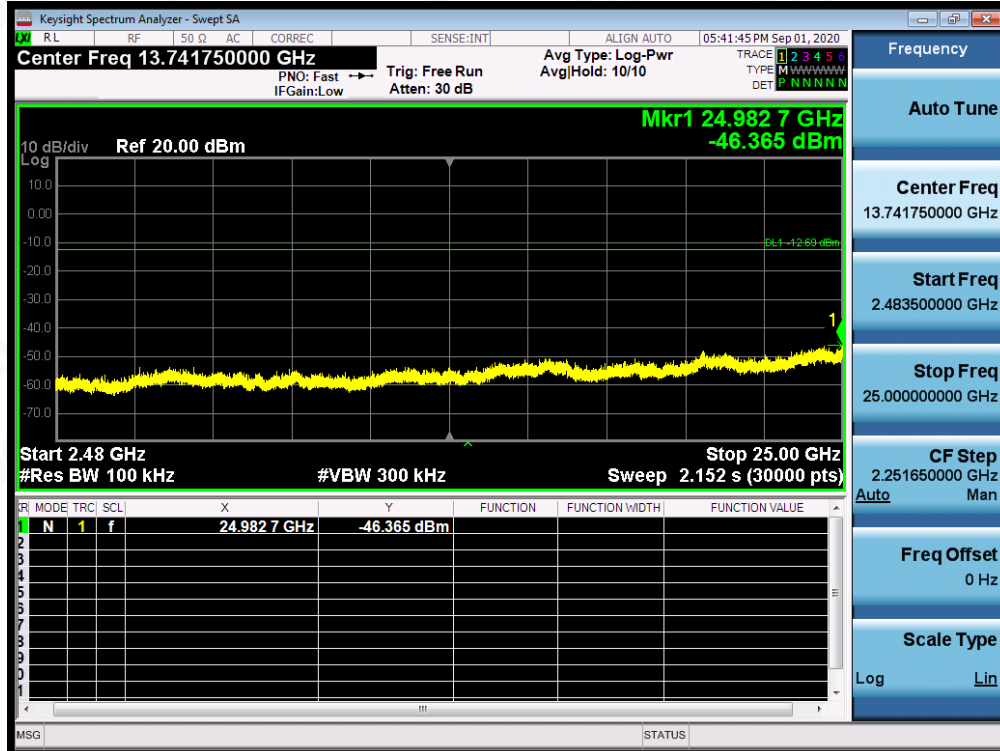
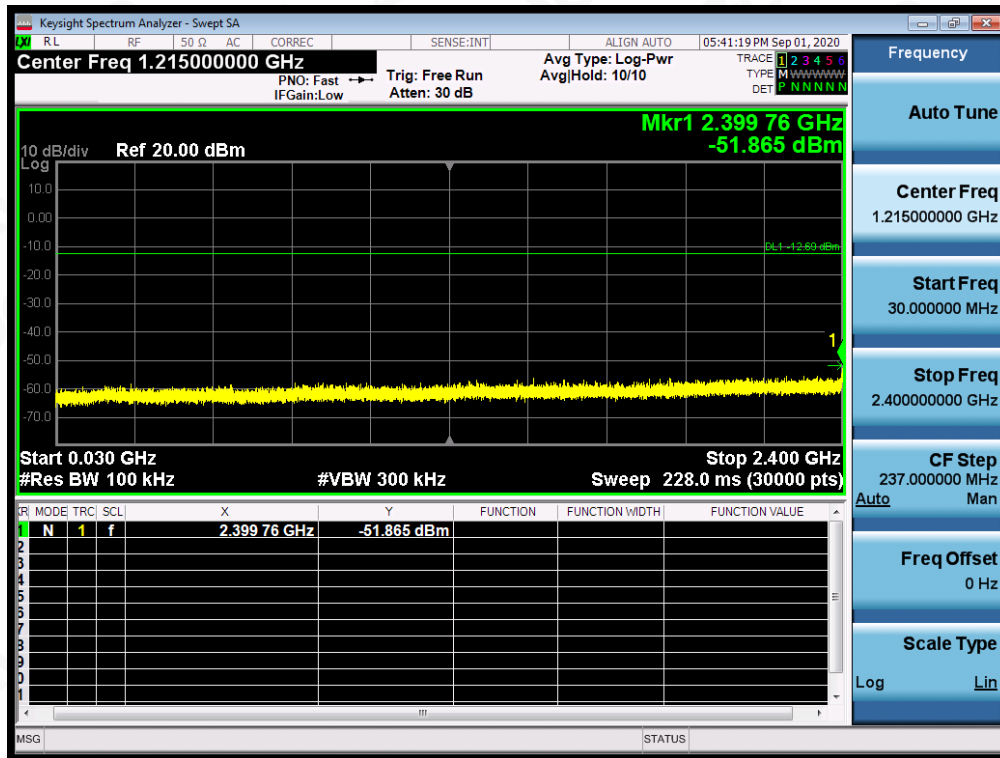


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TEST PLOT OF OUT OF BAND EMISSIONS THE WORST CASE  
OF CCK FOR MODULATION IN MIDDLE CHANNEL

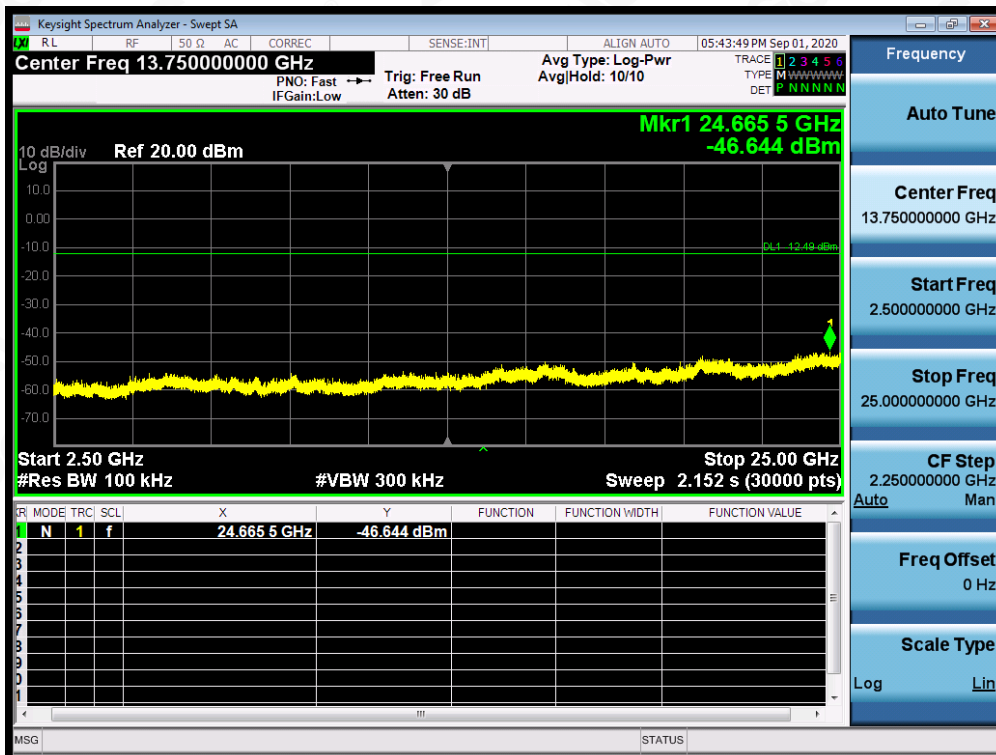
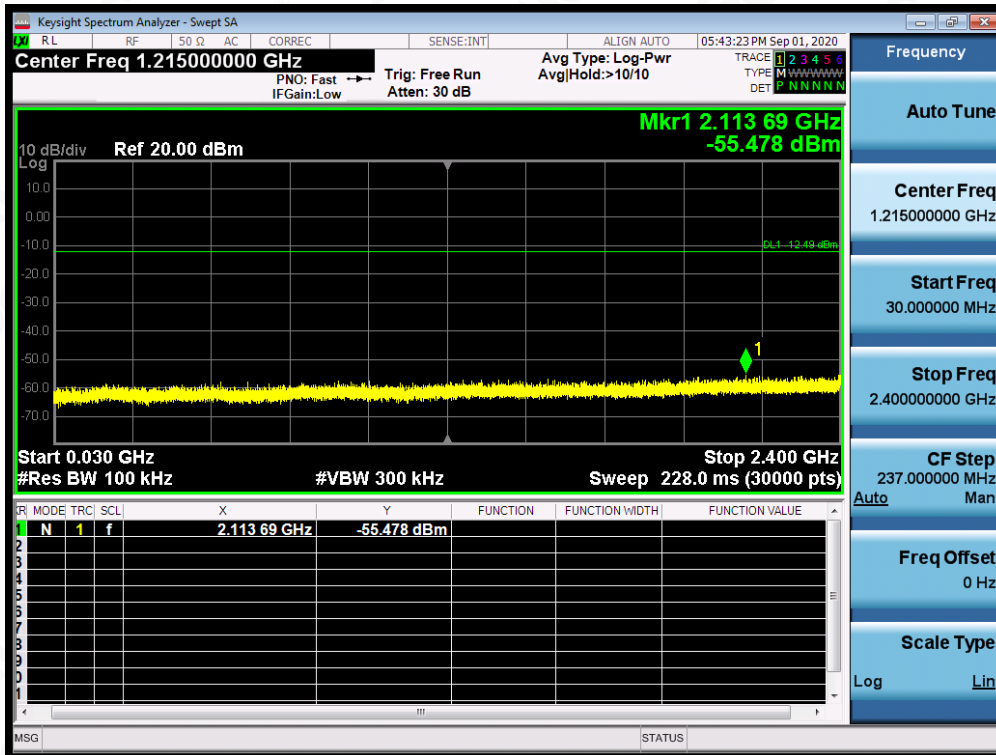


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TEST PLOT OF OUT OF BAND EMISSIONS THE WORST CASE  
OF CCK FOR MODULATION IN HIGH CHANNEL

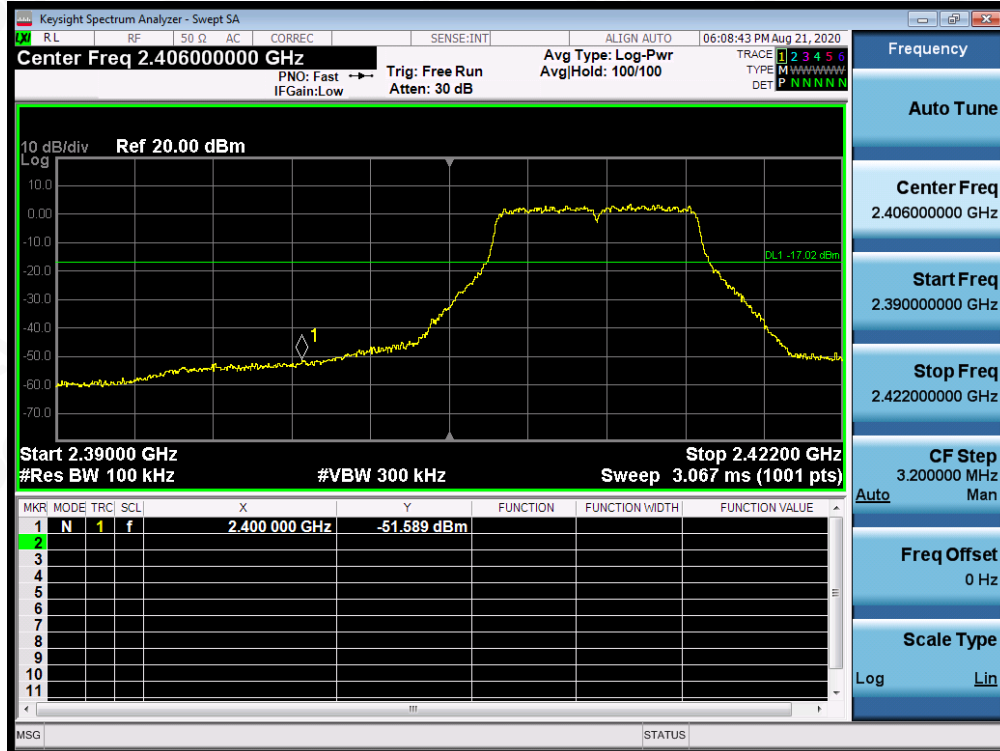
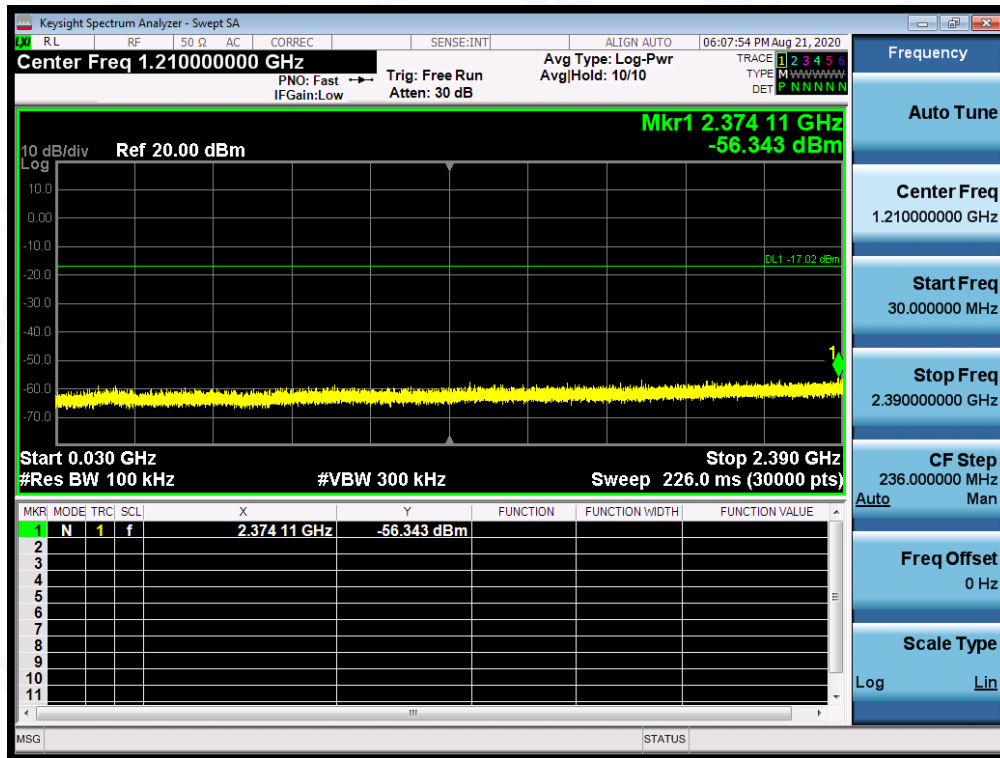


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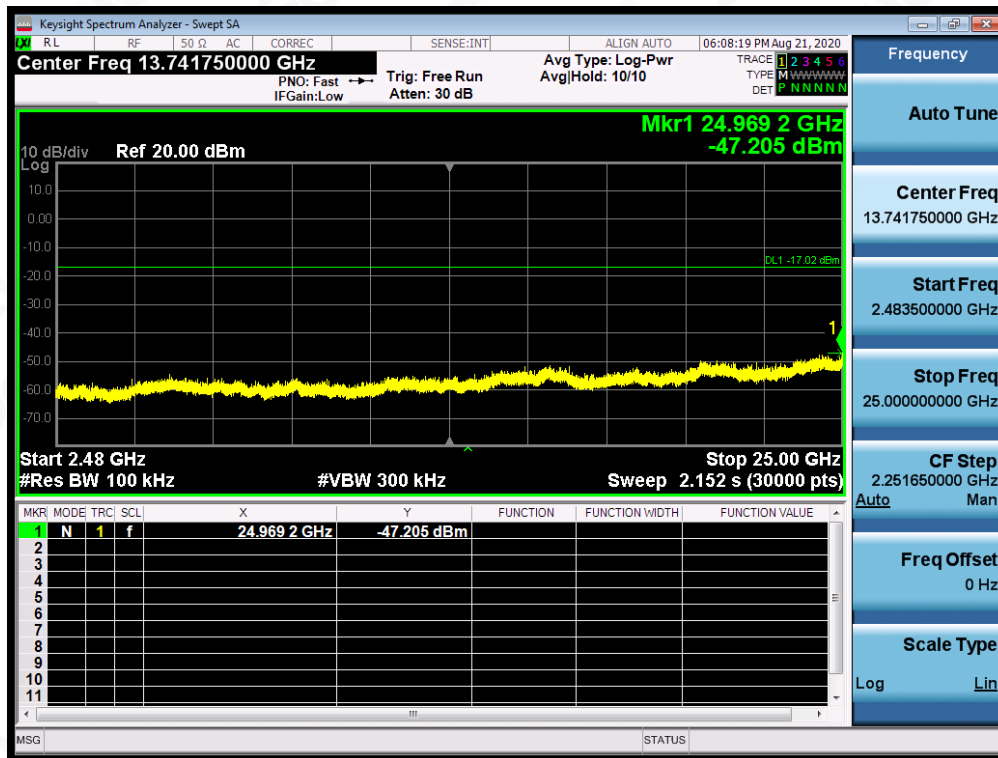
TEST PLOT OF OUT OF BAND EMISSIONS WITH THE WORST CASE  
OF OFDM FOR MODULATION IN LOW CHANNEL



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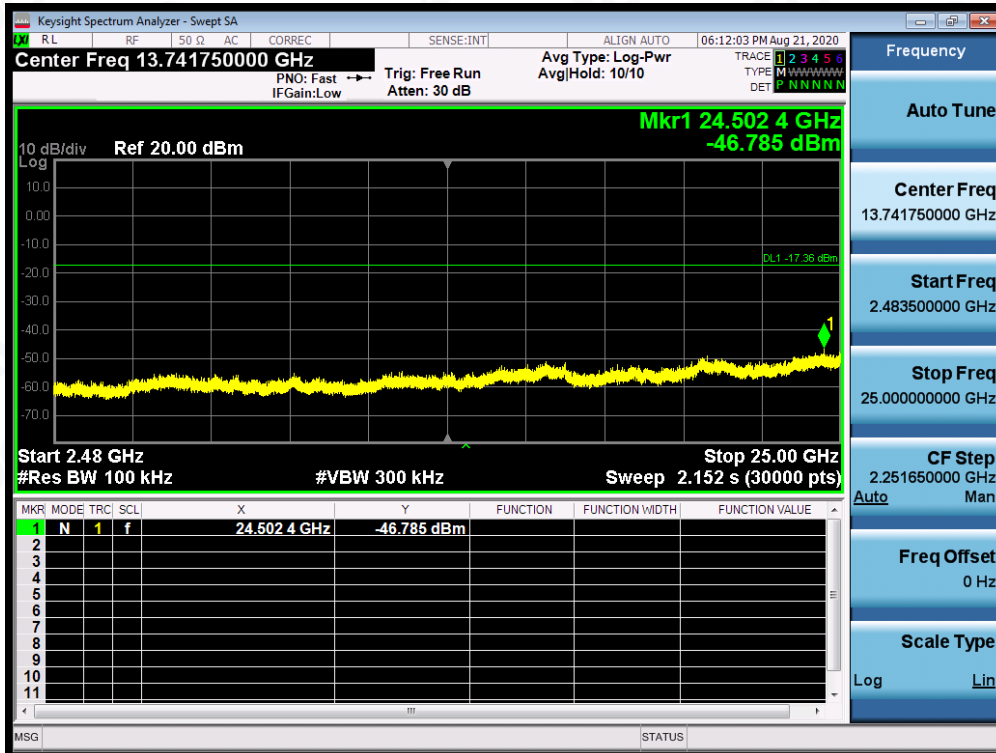
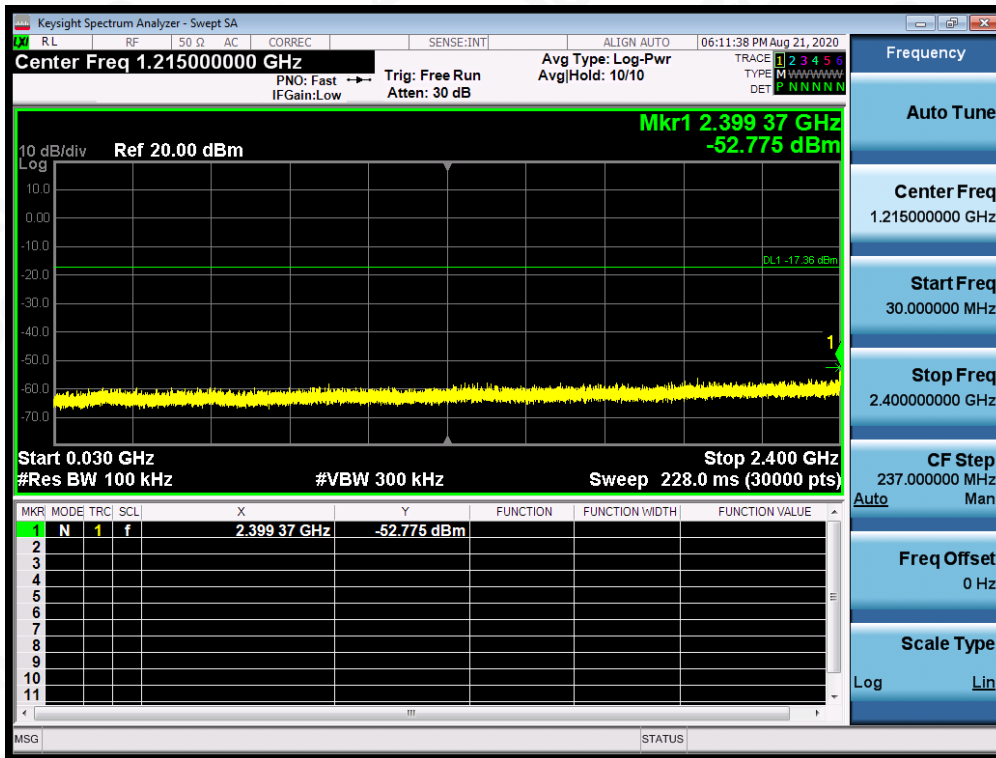


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TEST PLOT OF OUT OF BAND EMISSIONS THE WORST CASE  
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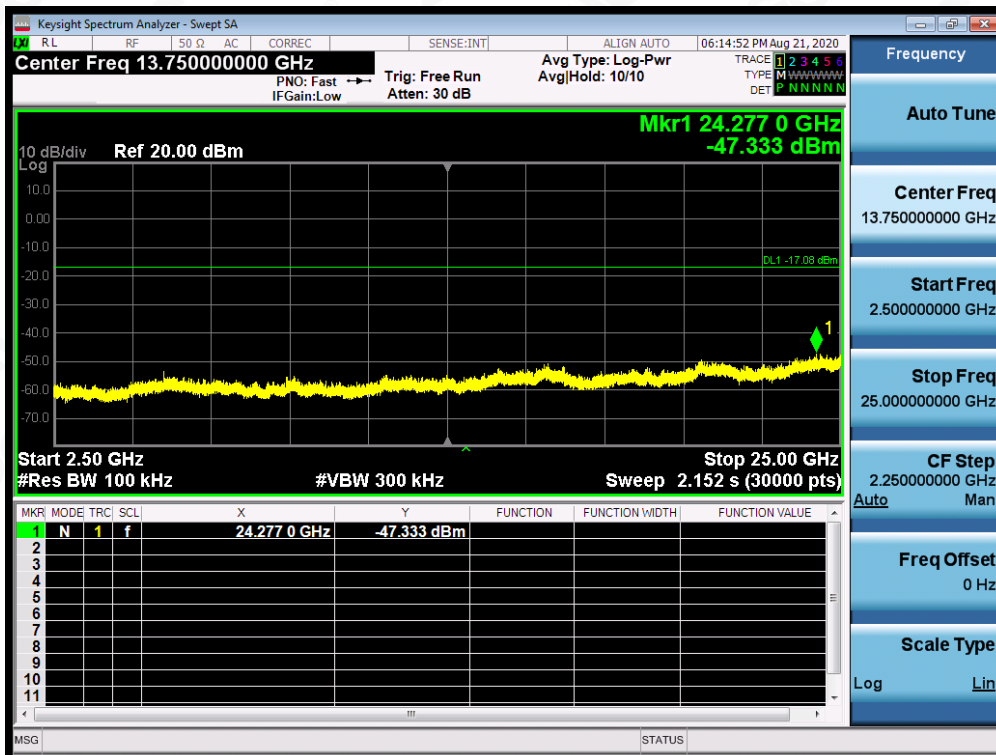
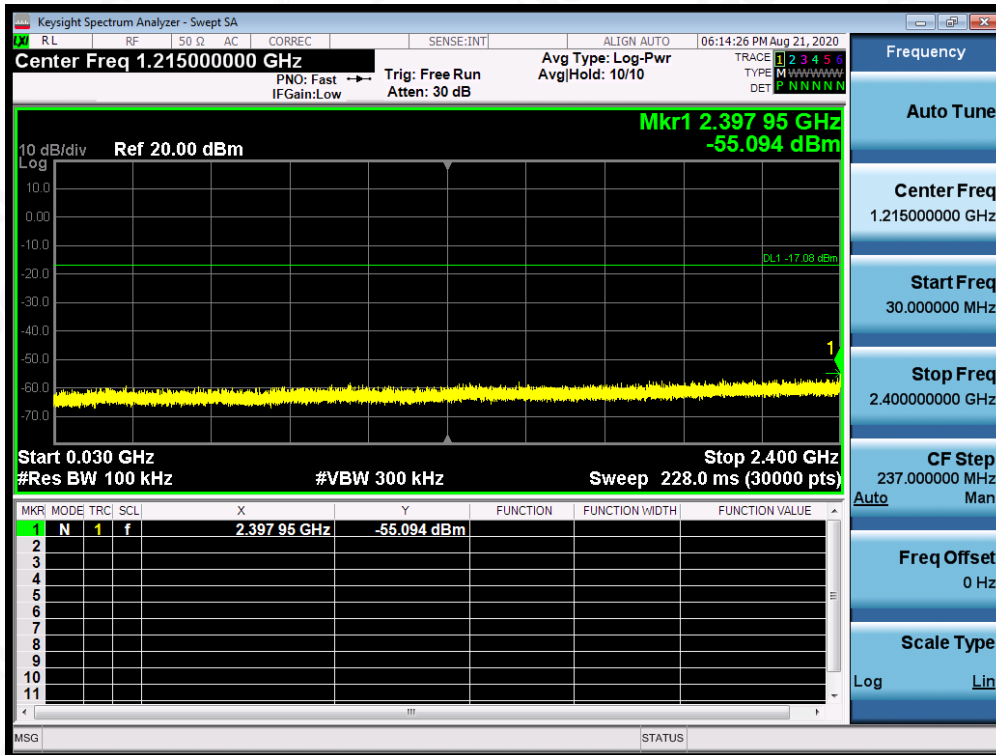


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TEST PLOT OF OUT OF BAND EMISSIONS THE WORST CASE  
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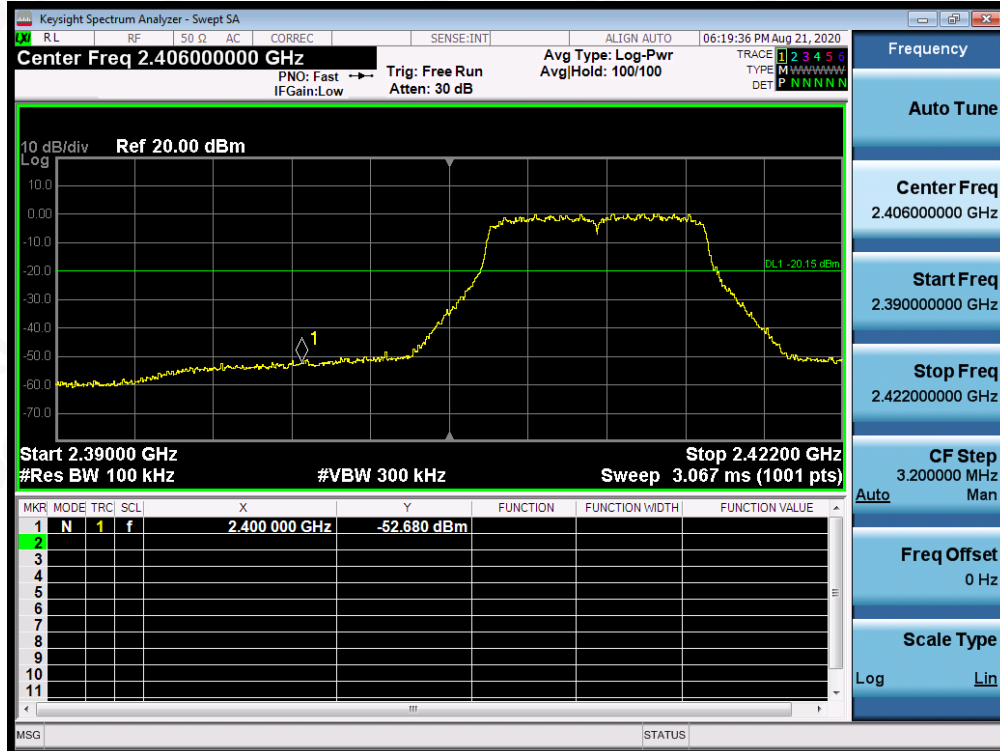
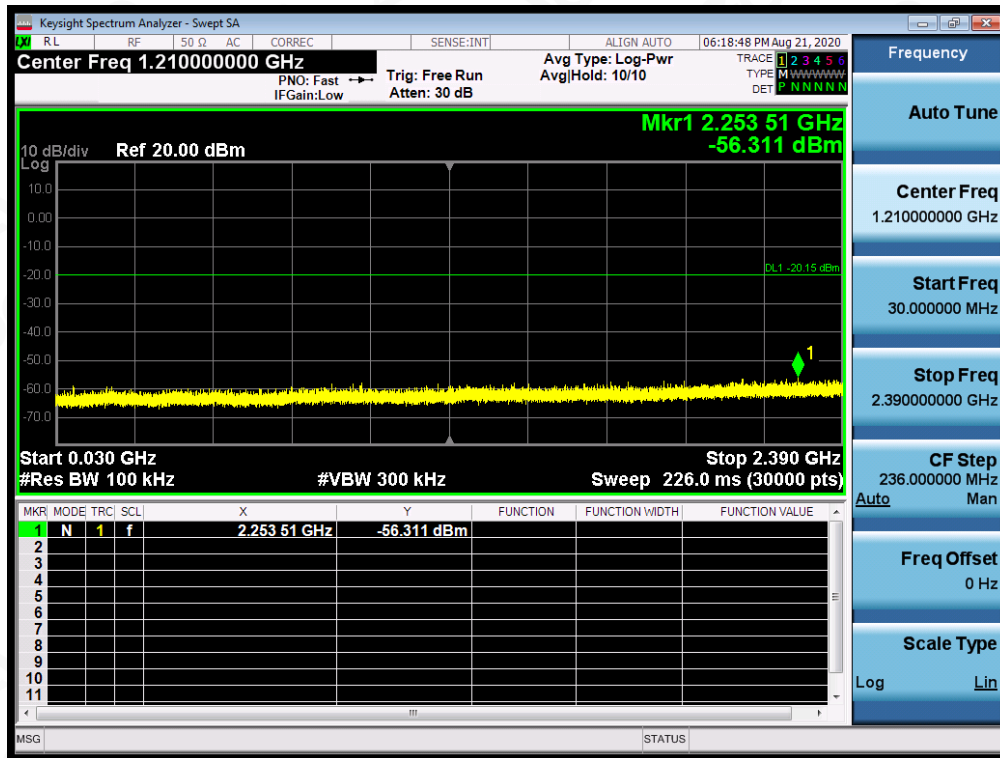


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TEST PLOT OF OUT OF BAND EMISSIONS WITH THE WORST CASE  
OF OFDM FOR MODULATION IN LOW CHANNEL

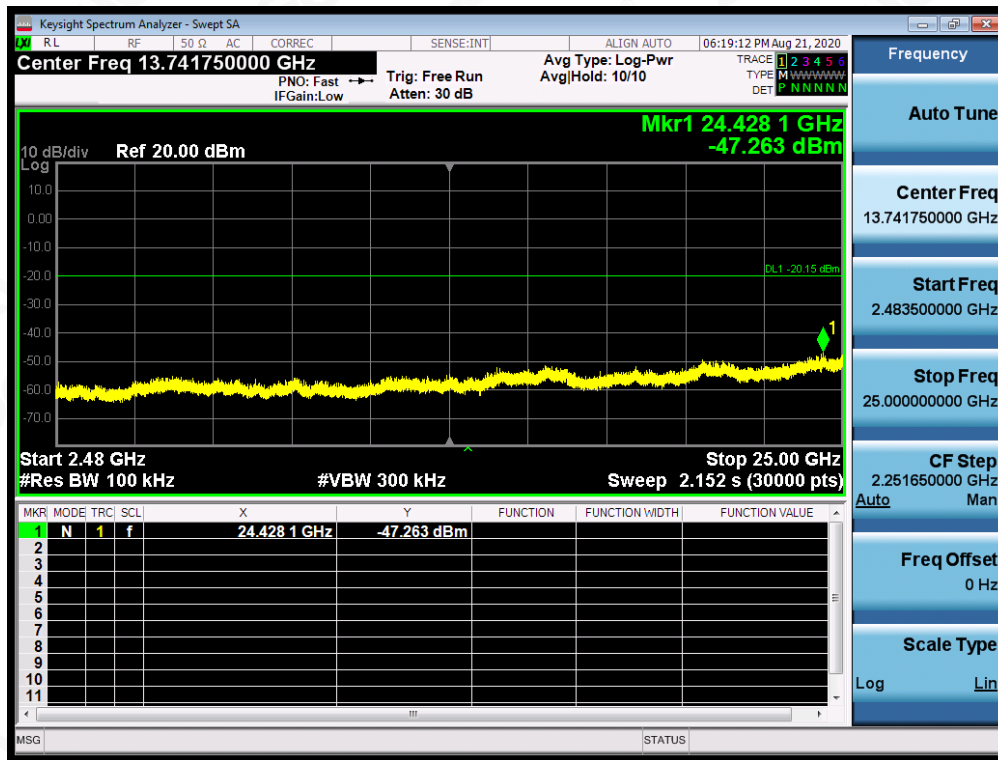


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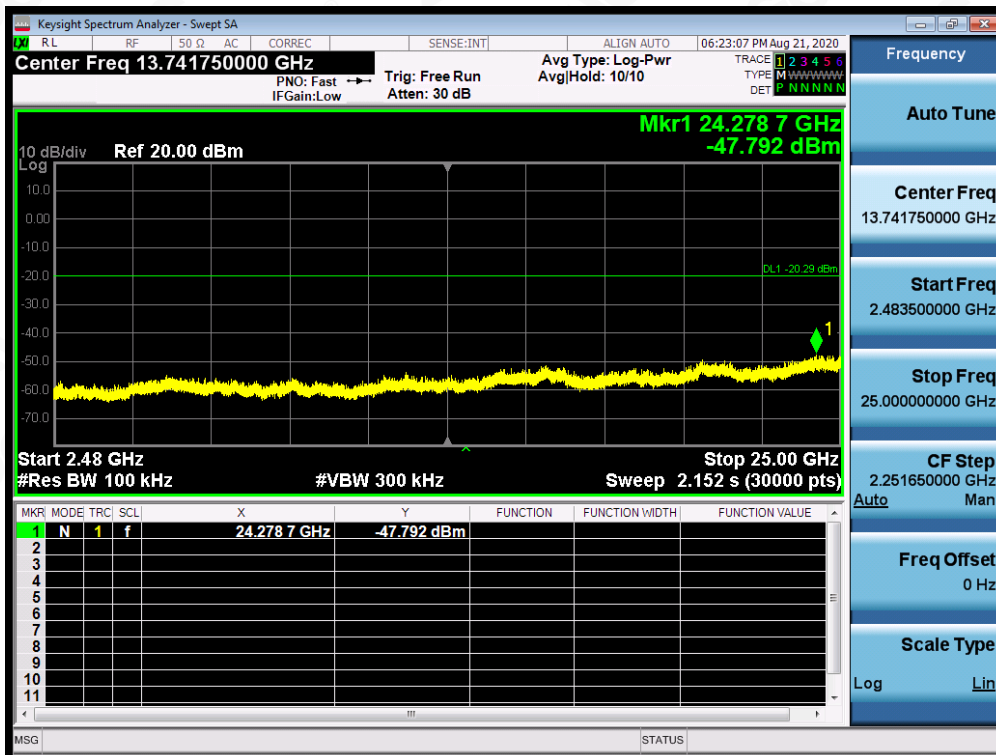
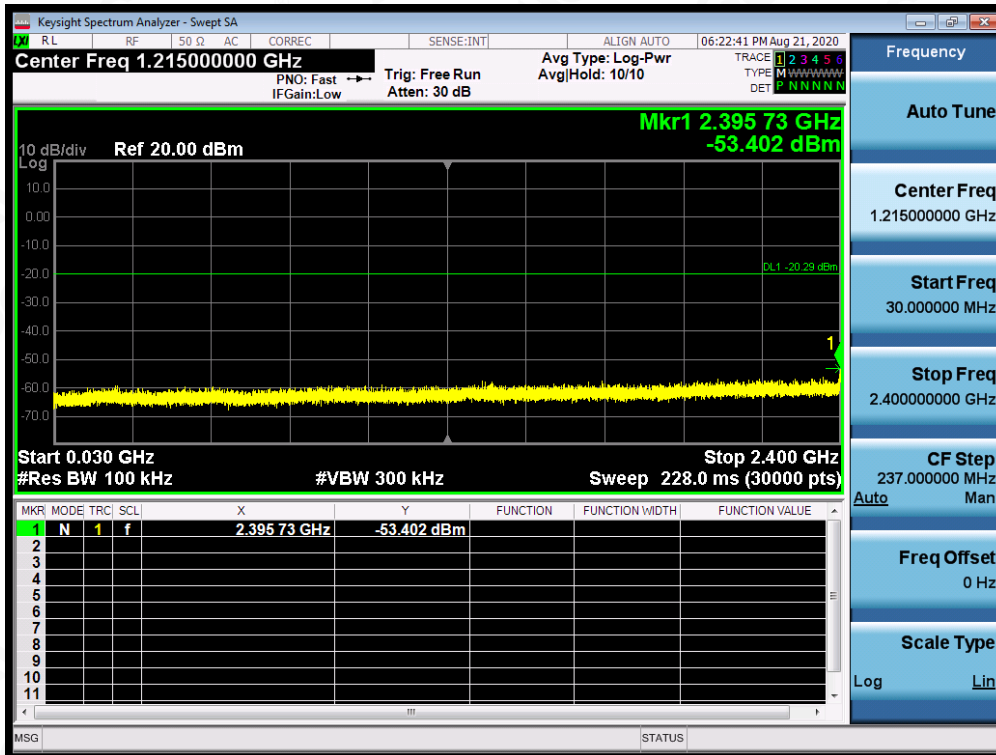


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TEST PLOT OF OUT OF BAND EMISSIONS THE WORST CASE  
OF OFDM FOR MODULATION IN MIDDLE CHANNEL

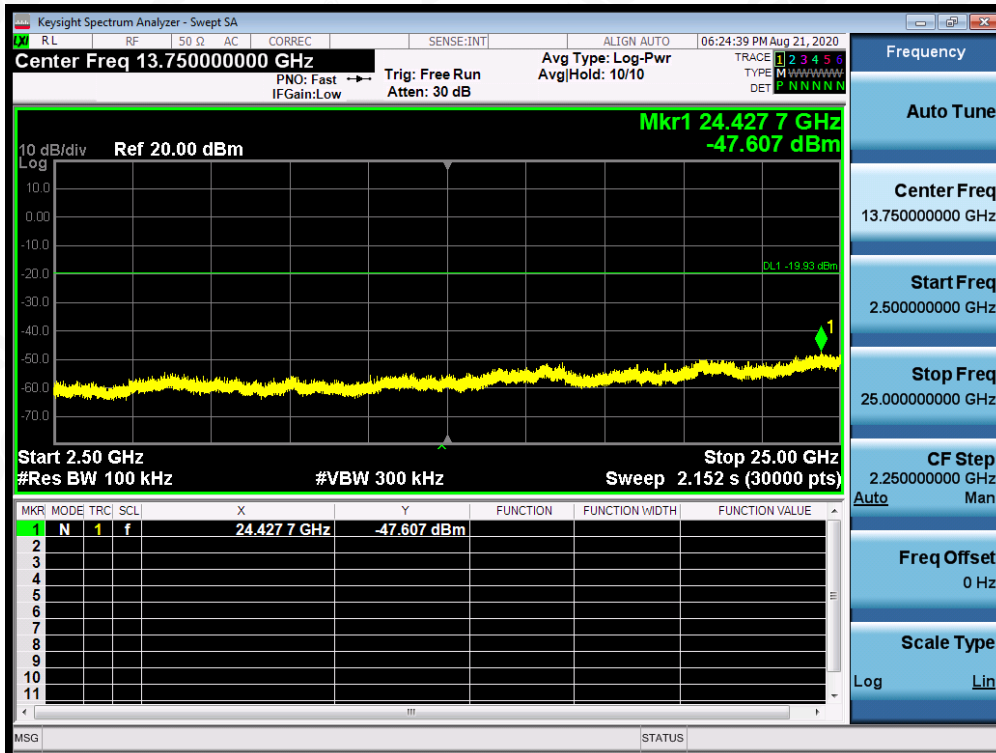
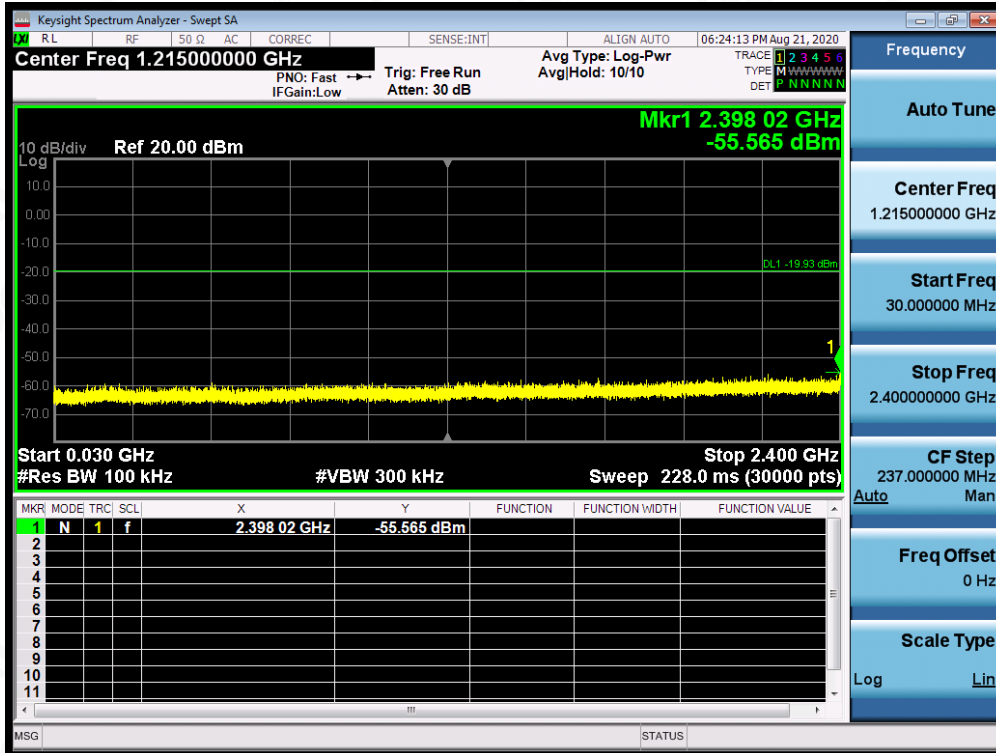


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TEST PLOT OF OUT OF BAND EMISSIONS THE WORST CASE  
OF OFDM FOR MODULATION IN HIGH CHANNEL

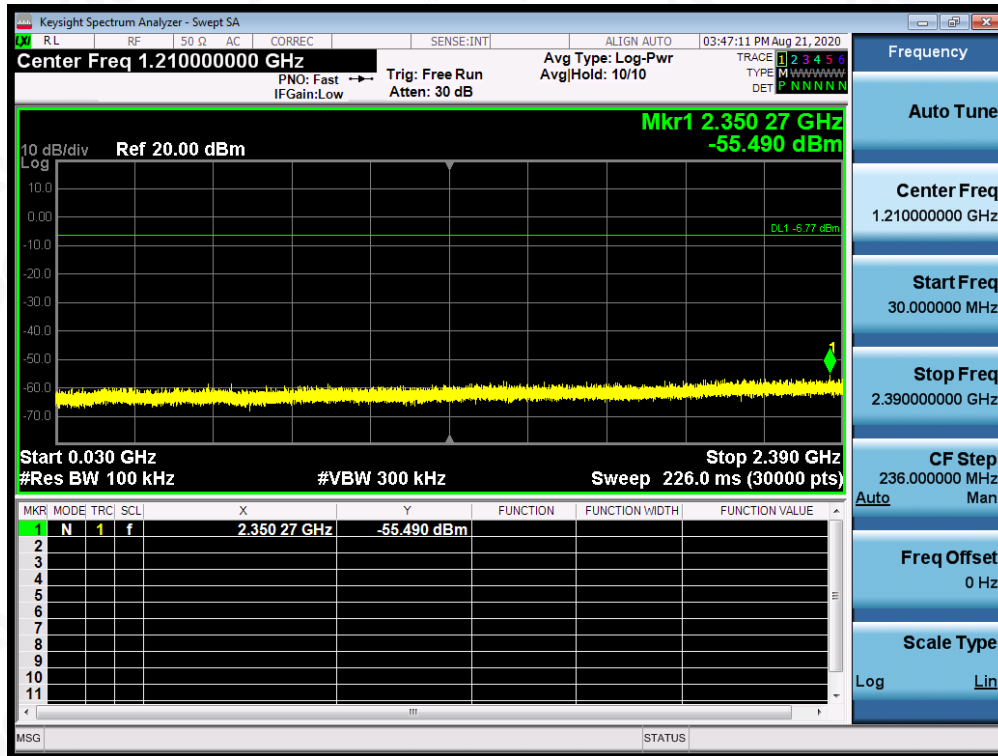


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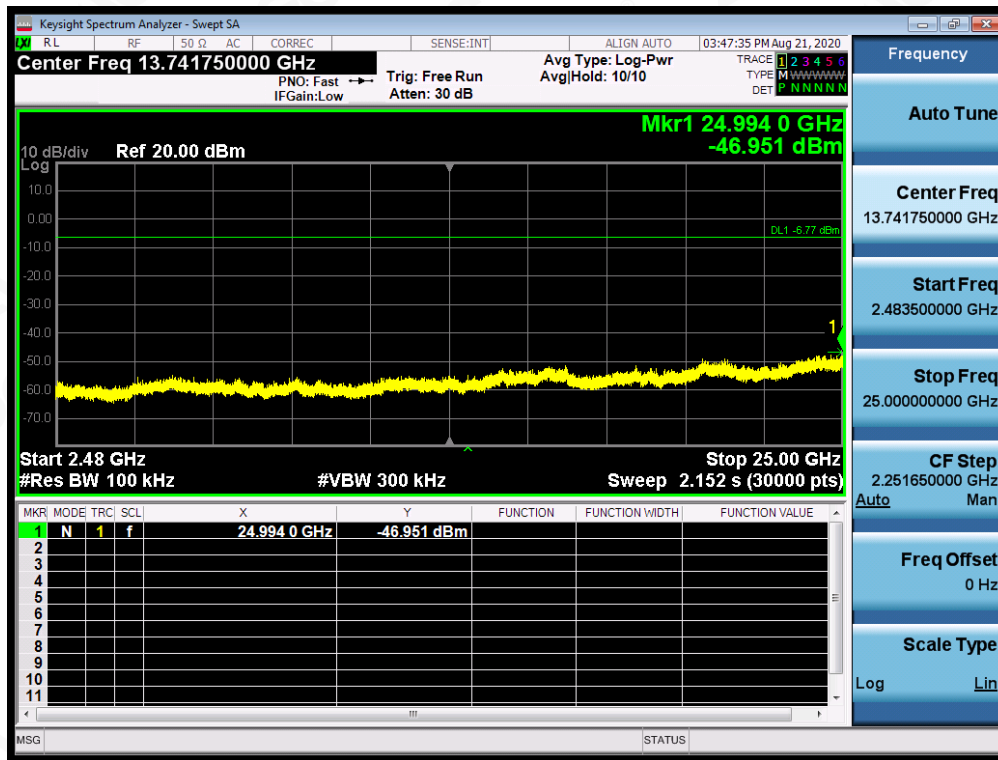
**Bandwidth 20 MHz**  
**TEST PLOT OF OUT OF BAND EMISSIONS WITH THE WORST CASE**  
**OF 802.11b FOR MODULATION IN LOW CHANNEL**



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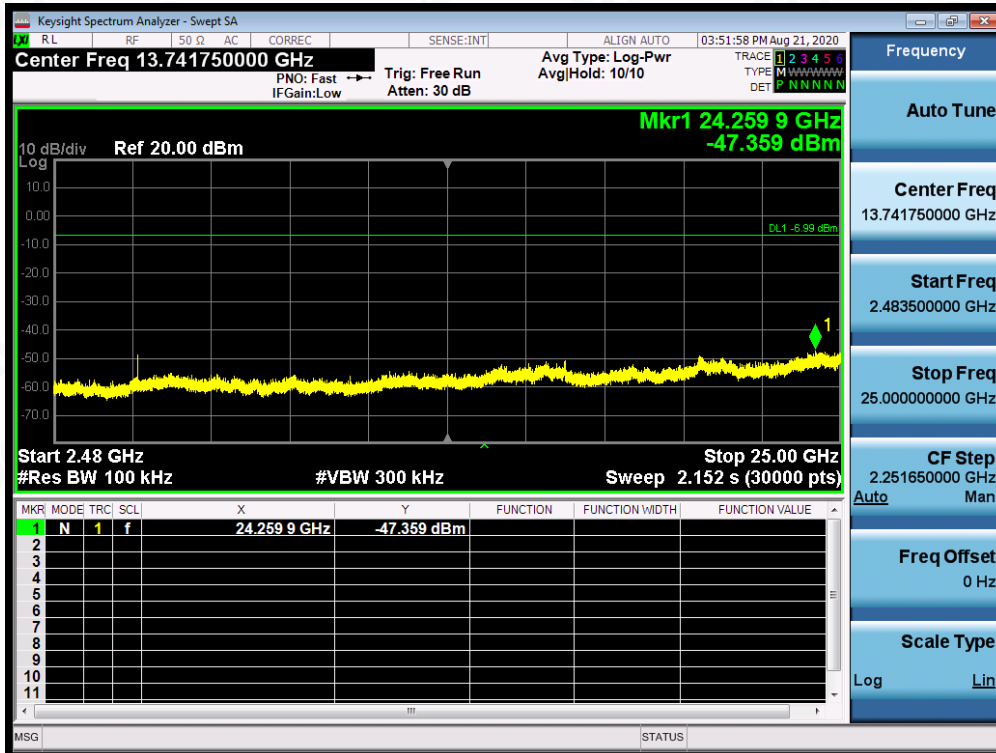
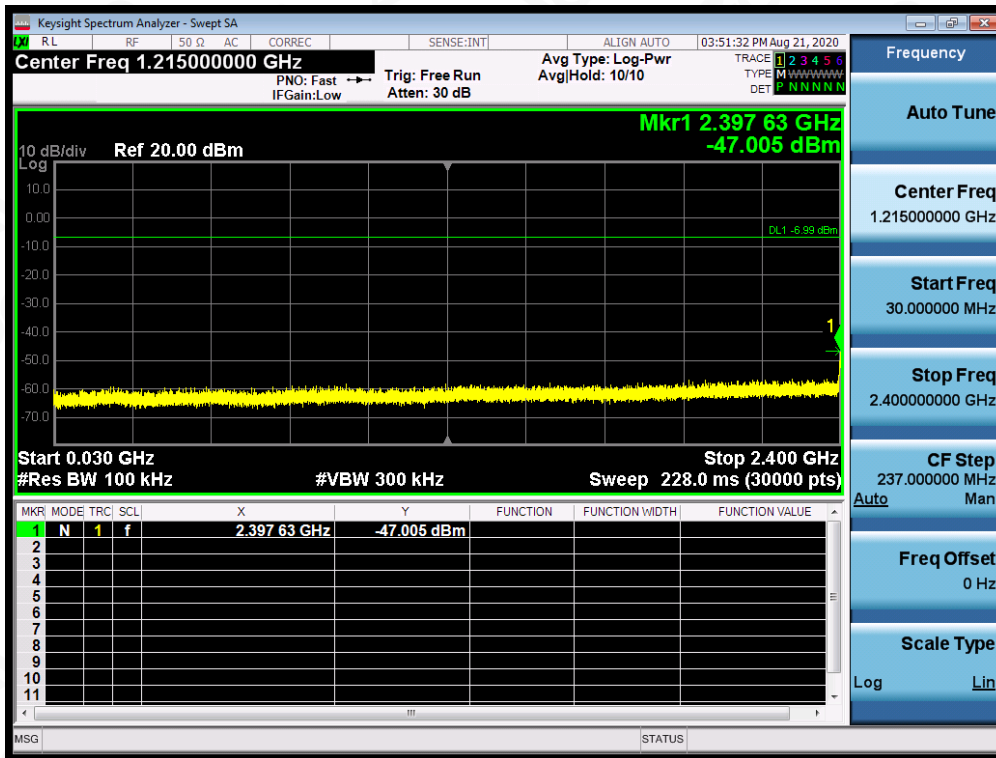


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TEST PLOT OF OUT OF BAND EMISSIONS THE WORST CASE  
OF 802.11b FOR MODULATION IN MIDDLE CHANNEL

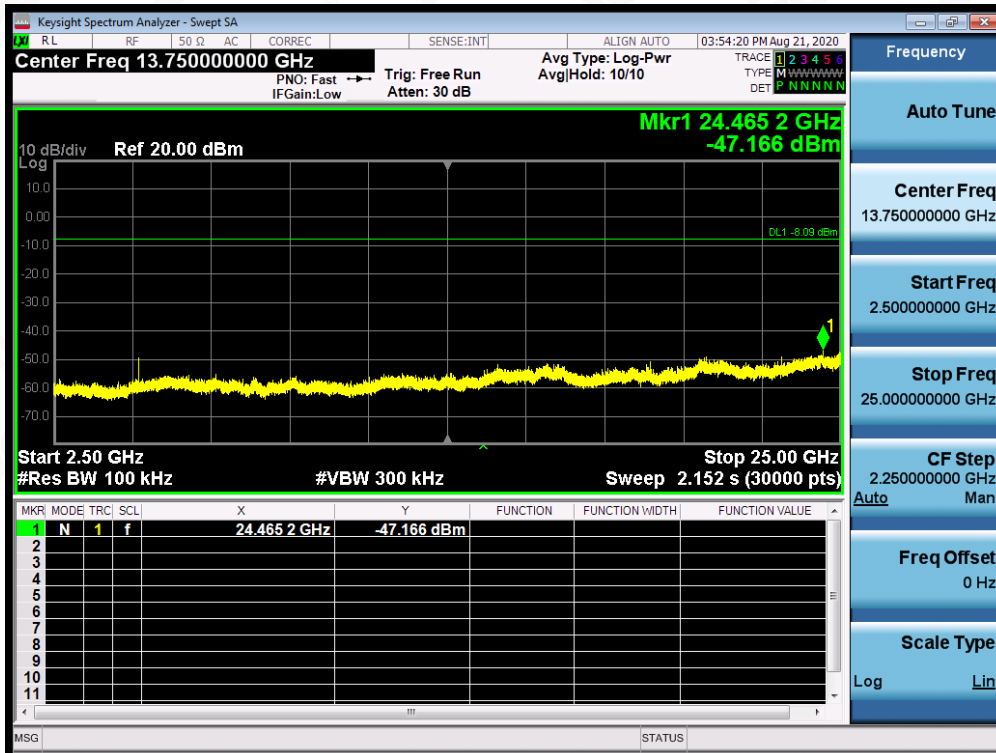
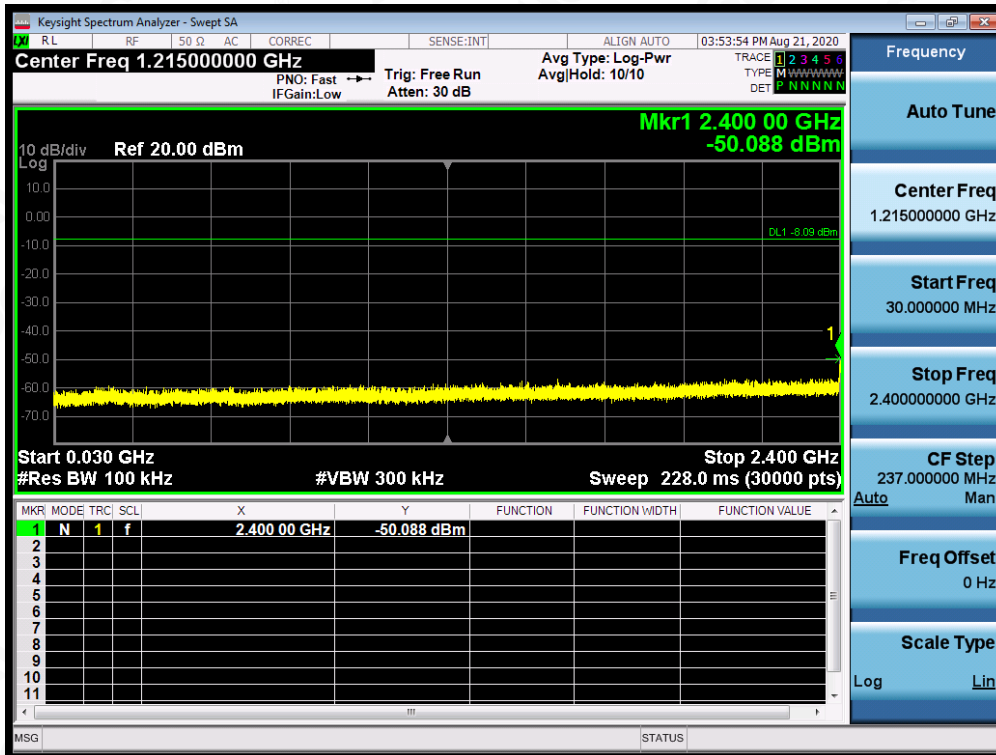


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TEST PLOT OF OUT OF BAND EMISSIONS THE WORST CASE  
OF 802.11b FOR MODULATION IN HIGH CHANNEL

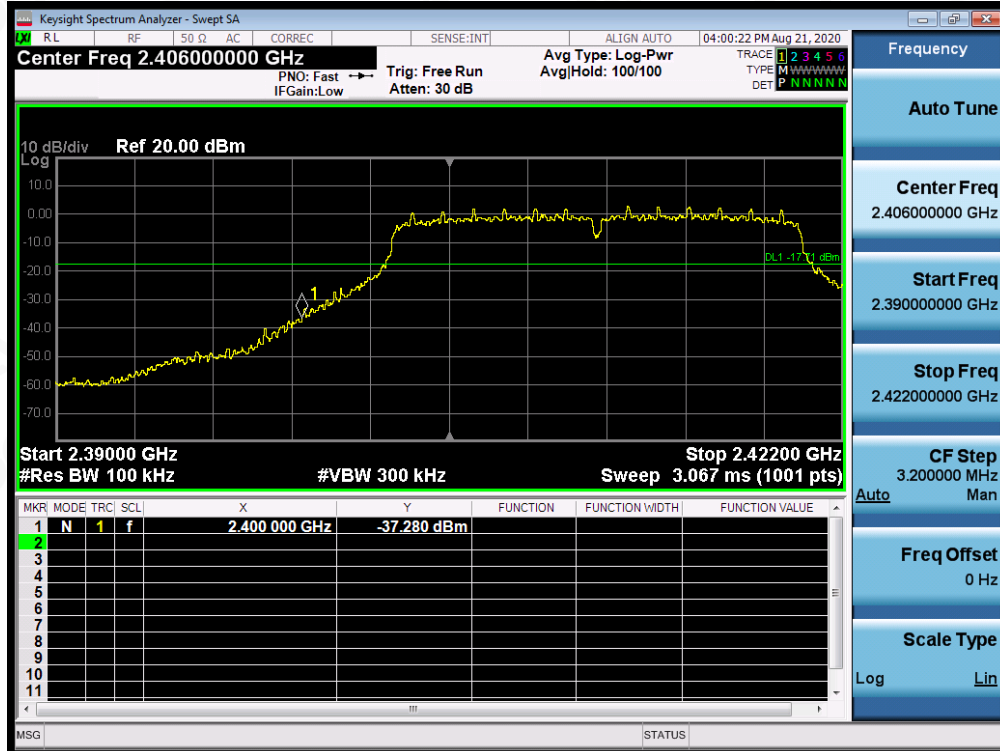
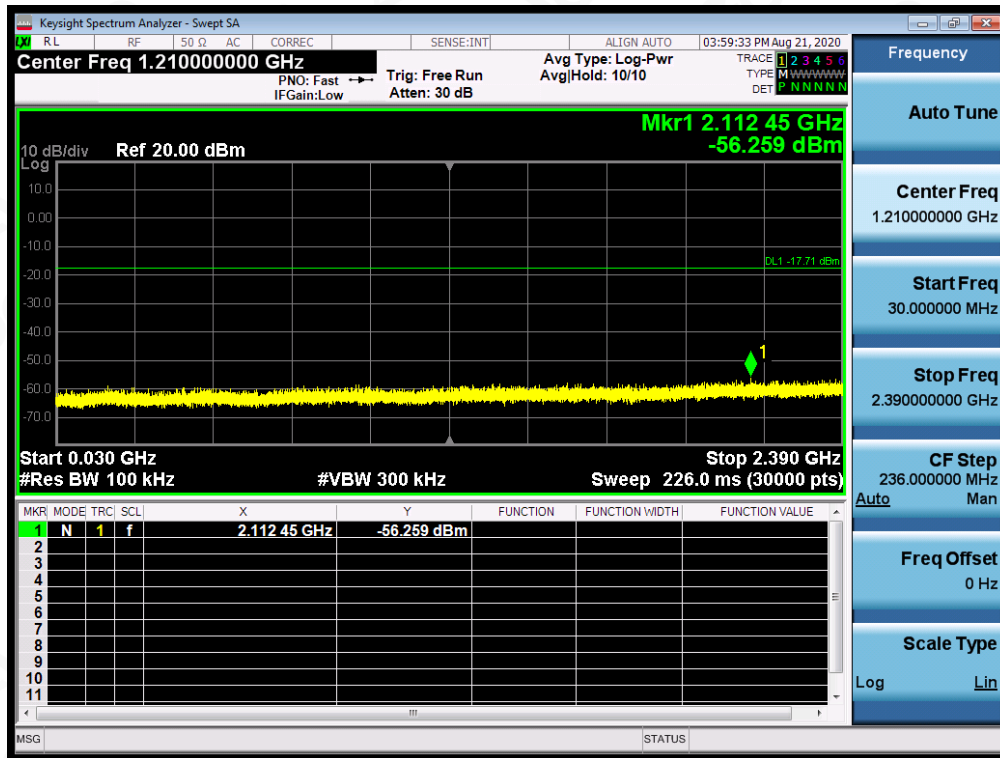


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TEST PLOT OF OUT OF BAND EMISSIONS WITH THE WORST CASE  
OF 802.11g FOR MODULATION IN LOW CHANNEL

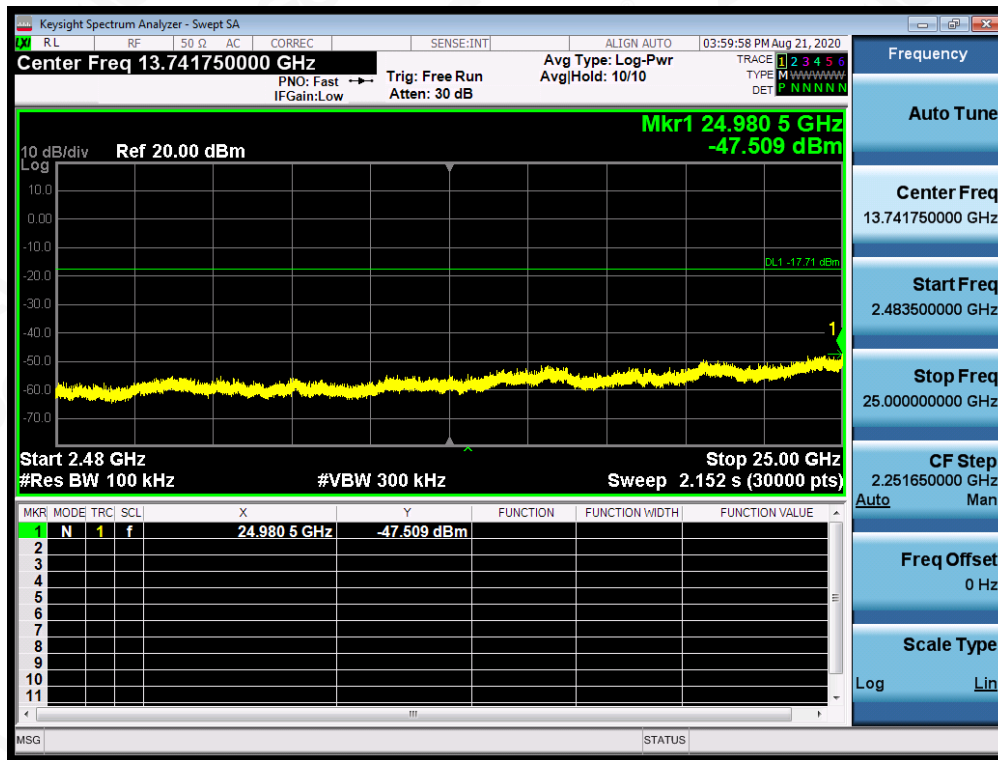


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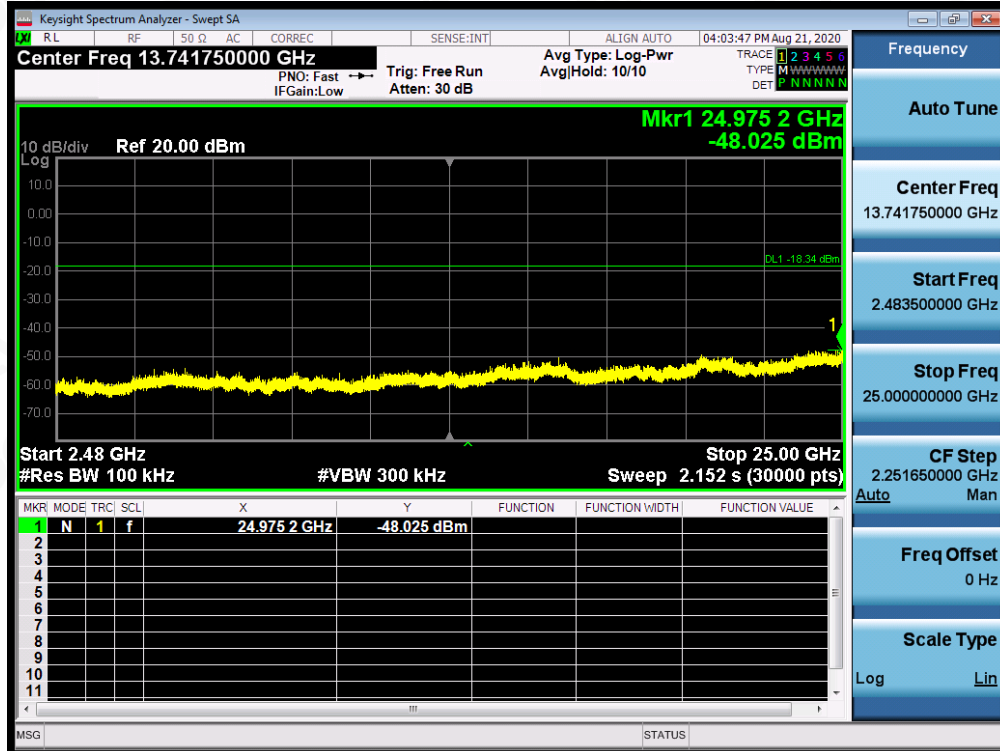
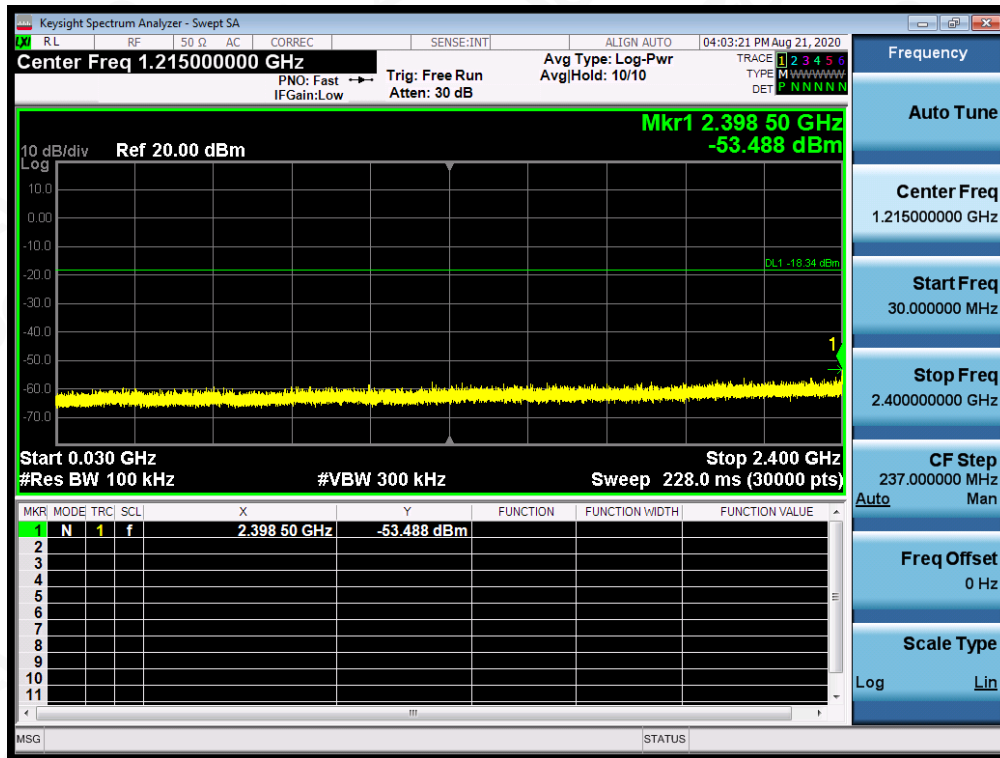


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TEST PLOT OF OUT OF BAND EMISSIONS THE WORST CASE  
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