

# TEST REPORT

Report No.: SHE21040013-02GE

Date: 2021-06-07

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**Applicant** : Leica Geosystems AG  
**Address of Applicant** : Heinrich-Wild-Strasse, CH-9435 Heerbrugg

**Product Name** : Rugged Windows Field Controller  
**Model No.** : CS30 LTE LRBT  
**Sample No.** : E21040013-01 #05  
E21040013-01 #01  
**FCC ID** : RFD-CS30LRBT  
**ISED Number** : 3177A-CS30LRBT

**Standards** : FCC CFR47 Part 15, Subpart C  
RSS-Gen (Issue 5, March 2019)  
RSS-247 (Issue 2, February 2017)

**Date of Receipt** : 2021-04-25  
**Date of Test** : 2021-04-25 ~ 2021-06-07  
**Date of Issue** : 2021-06-07

**Remark:**

*This report details the results of the testing carried out on one sample, the results contained in this report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.*

Prepared by: Jennifer Zhou  
(Jennifer Zhou)

Reviewed by: Oliver Xiang  
(Oliver Xiang)

Approved by: Guoyou Chi  
(Authorized signatory: Guoyou Chi)

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## 1 General Information

### 1.1 Testing Laboratory

<b>Company Name</b>	ICAS Testing Technology Service (Shanghai) Co., Ltd.
<b>Address</b>	No.1298 Pingan Rd, Minhang District, Shanghai, China
<b>Telephone</b>	0086 21-51682999
<b>Fax</b>	0086 21-54711112
<b>Homepage</b>	www.icasiso.com

### 1.2 Details of Application

<b>Applicant Company Name</b>	Leica Geosystems AG
<b>Address</b>	Heinrich-Wild-Strasse, CH-9435 Heerbrugg
<b>Contact Person</b>	Patrick Rayero
<b>Telephone</b>	+4171 727 4664
<b>Email</b>	patrick.rayero@leica-geosystems.com
<b>Manufacturer Company Name</b>	Leica Geosystems AG
<b>Address</b>	Heinrich-Wild-Strasse, CH-9435 Heerbrugg
<b>Factory Company Name</b>	Shenzhen UniStrong Science & Technology Co.,Ltd.
<b>Address</b>	B,4-4Factory, Zhengcheng Road, Fuyong Baoan District, Shenzhen, China

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## 1.3 Details of EUT

Product Name	Rugged Windows Field Controller
Brand Name	Leica
Test Model No.	CS30 LTE LRBT
FCC ID	RFD-CS30LRBT
ISED Number	3177A-CS30LRBT
Mode of Operation	WLAN 802.11b/g/n(HT20/40)
Frequency Range	2400MHz ~ 2483.5MHz
Channel Separation	5 MHz
Modulation Type	DSSS, OFDM
Antenna Type	Internal Antenna
Antenna Gain	2.57 dBi
Extreme Temperature Range	-20°C ~ +60°C
Test Voltage	DC 11.1V
Hardware version	PCB V0.4
Software version	R.ED.00.02.03
RF power setting in TEST SW	DRTU

## 1.4 Test Methodology

47 CFR Part 15, Subpart C (10-1-16 Edition)	Miscellaneous Wireless Communications Services
KDB Publication 558074 D01 v05r02	15.247 Meas Guidance.
KDB Publication 662911 D01 v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)
RSS-Gen (Issue 5, March 2019)	General Requirements for Compliance of Radio Apparatus
RSS-247 (Issue 2, February 2017)	Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices
ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

### Note(s):

All test items were verified and recorded according to the standards and without any addition/deviation/exclusion during the test.

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## 1.5 Test Summary

Test Item	FCC Rules	ISED RULES	Result
Antenna Requirement	FCC Part 15.247(b)(4), Part 15.203	RSS-247 5.4(6)	PASS
Peak Output Power and E.I.R.P	FCC Part 15.247(b)(3)	RSS-247 5.4(4)	PASS
6dB Bandwidth and 99% Bandwidth	FCC Part 15.247(a)(2)	RSS-247 5.2(1) RSS-Gen 6.7	PASS
Power Spectral Density	FCC Part 15.247(e)	RSS-247 5.2(2)	PASS
Conducted Spurious Emission & Authorized-band band-edge	FCC Part 15.247(d)	RSS-247 5.5 RSS-Gen 8.9	PASS
Radiated Spurious Emission	FCC Part 15.247(d), 15.205, 15.209	RSS-247 5.5	PASS
Band Edge (Restricted-band band-edge)	FCC Part 15.247(d), 15.205, 15.209	RSS-247 5.5	PASS
Conducted Emission on AC Mains	FCC Part 15.207(a)	RSS-Gen 8.8	PASS

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## 2 Test Condition

### 2.1 Test Facility

### 2.2 Environmental conditions

Temperature (°C)	18-25
Humidity (%RH)	40-65
Barometric Pressure (mbar)	960-1060

### 2.3 Equipment List

Name of Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Keysight	N9020B	MY592601 84	2020-08-19	2021-08-18
Spectrum Analyzer	Rohde & Schwarz	FSV40N	101450	2020-06-09	2021-06-08
EMI Test Receiver	Rohde & Schwarz	ESPI3	100173	2020-06-09	2021-06-08
EMI Test Receiver	Rohde & Schwarz	ESR 7	101911	2020-06-09	2021-06-08
V-network	SCHWARZBE CK	NSLK 8127	8127-902	2020-07-29	2021-07-28
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	100687	2020-08-19	2021-08-18
Broadband Antenna	SCHWARZBE CK	VULB9163	9163-1037	2020-06-09	2021-06-08
Horn Antenna-18G	SCHWARZBE CK	BBHA9120D	9120D-177 5	2020-07-29	2021-07-28
Loop Antenna	SCHWARZBE CK	FMZB 1513	N/A	2020-11-23	2021-11-22
Horn Antenna-40G	YINGLIAN	LB-180400-K F	N/A	2020-07-27	2021-07-26
EMC chamber 9*6*6 (L*W*H)	CHANGNING	966	N/A	2020-06-09	2023-06-08
Shielded Enclosure 8*5*4 (L*W*H)	CHANGNING	854	N/A	2020-06-09	2021-06-08
Test Software	BL	BL410_E	N/A	N/A	N/A
Test Software	BL	BL410_R	N/A	N/A	N/A

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## 2.4 Measurement Uncertainty

Parameter	Frequency	Uncertainty
Antenna Port Conducted Emission	< 1GHz	± 1.5 dB
	> 1GHz	± 1.5 dB
Radiated Emission	30 MHz – 1 GHz	± 3 dB
	> 1GHz	± 3 dB
Conducted Emission on AC Mains	9KHz-30MHz	± 1.96 dB

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## 3 Test Set-up and Operation Modes

### 3.1 Details of Test Mode

Using test software was control EUT work in continuous transmitter and receiver mode. Select test channel as below:

For 802.11b/g/n (HT20)

Channel	Frequency
The lowest channel(CH1)	2412MHz
The middle channel(CH6)	2437MHz
The Highest channel(CH11)	2462MHz

For 802.11n(HT40)

Channel	Frequency
The lowest channel(CH3)	2422MHz
The middle channel(CH6)	2437MHz
The Highest channel(CH9)	2452MHz

Through Pre-scan under all rate at lowest channel, the data rate as below table described is the worst case, so we choose these data rate for test.

Type	Data rate
802.11b	5.5Mbps
802.11g	54Mbps
802.11n(20M)	MCS4
802.11n(40M)	MCS6

The basic operation modes are:

- A. On
  - 1. WLAN mode
    - a. Transmitting
      - i. Low Channel
      - ii. Middle Channel
      - iii. High Channel
    - b. Receiving
- B. Standby
- C. Off



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## 3.2 Special Accessories and Auxiliary Equipment

Description	Manufacturer	Model No.	Serial No.
Laptop	Lenovo	TP00083A	N/A

## 3.3 Support Software

Description	Manufacturer	Software Name
Software	N/A	DRTU

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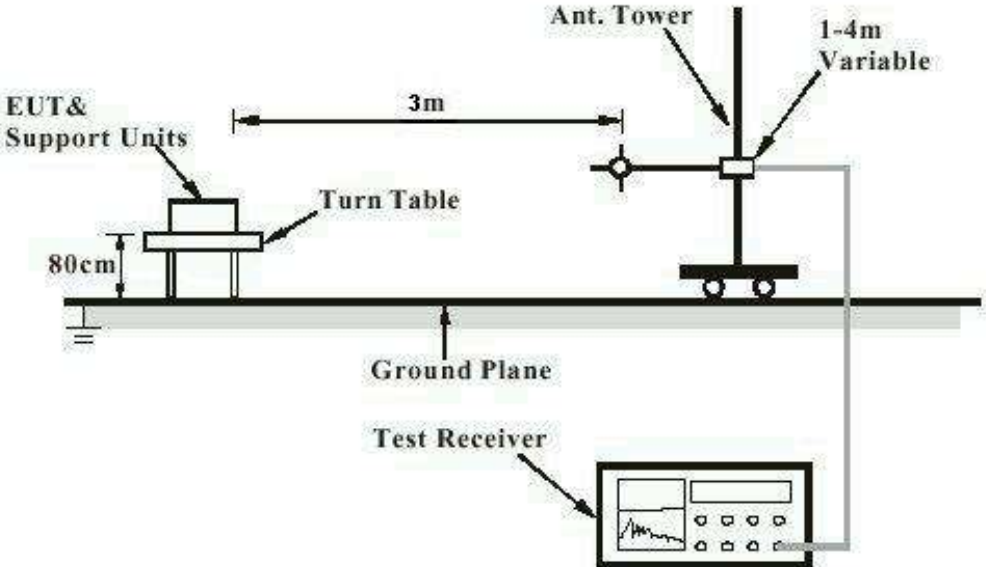
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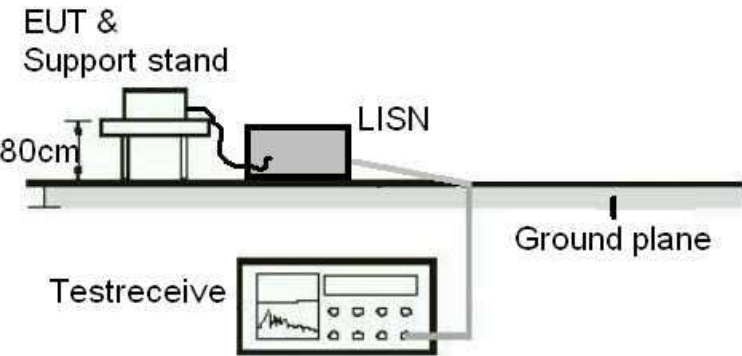
## 3.4 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test



Note: Measurements above 1GHz are done with a table height of 1.5m. In addition, there is RF absorbing material on the floor of the test site for above 1GHz measurement.

Diagram of Measurement Equipment Configuration for Conduction Measurement



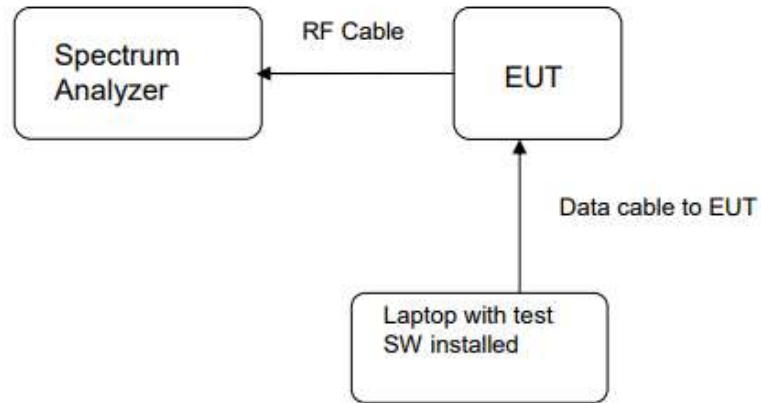
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## Diagram of Measurement Equipment Configuration for Transmitter Measurement



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## 4 Test Results

### 4.1 Transmitter Requirement & Test Suites

#### 4.1.1 Antenna Requirement

RESULT:

**PASS**

Test standard : FCC Part 15.247(b)(4), Part 15.203  
RSS-247 5.4(6)

Requirement : The use of approved antennas only with directional gains that do not exceed 6dBi

According to the manufacturer declaration, the EUT has an antenna with a directional gain of 2.57dBi. The antenna is an internal antenna with no possibility of replacement with a non-approved antenna by the end-user.

Therefore, the EUT is considered to comply with this provision.

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## 4.1.2 Peak Output Power and E.I.R.P

RESULT:

**PASS**

Test standard : FCC Part 15.247(b)(3)  
 RSS-247 5.4(4)  
 Requirement : ANSI C63.10-2013, KDB 558074  
 Kind of test site : Shielded room

### Test setup

Test Channel : Low/Middle/High  
 Operation Mode : A.1.a  
 Ambient temperature : 23°C  
 Relative humidity : 52%

**Table 1: Peak Output Power**

Test Mode	Test Channel (MHz)	Measured Peak Power	Peak Output Power		Limit (W)
		(dBm)	(dBm)	(mW)	
802.11b	2412	14.79	14.82	30.34	≤1
	2437	15.44	15.47	35.24	
	2462	15.65	15.68	36.98	
802.11g	2412	12.70	13.08	20.32	
	2437	14.40	14.78	30.06	
	2462	11.93	12.31	17.02	
802.11n(HT20)	2412	12.61	12.87	19.36	
	2437	15.51	15.77	37.76	
	2462	11.95	12.21	16.63	
802.11n(HT40)	2422	12.09	12.8	19.05	
	2437	14.38	15.09	32.28	
	2452	11.83	12.54	17.95	

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Table 2: E.I.R.P

Test Mode	Test Channel (MHz)	E.I.R.P		Limit (W)
		(dBm)	(mW)	
802.11b	2412	17.39	54.83	≤4
	2437	18.04	63.68	
	2462	18.25	66.83	
802.11g	2412	15.65	36.73	
	2437	17.35	54.33	
	2462	14.88	30.76	
802.11n(HT20)	2412	15.44	34.99	
	2437	18.34	68.23	
	2462	14.78	30.06	
02.11n(HT40)	2422	15.37	34.43	
	2437	17.66	58.34	
	2452	15.11	32.43	

**Notes:**

Peak Output Power = Measured Conducted peak power +duty cycle factor

EIRP = Peak Output Power + Antenna Gain(2.57dBi)

Duty cycle factor =10\*log(1/duty cycle)

**802.11b >98%**

**Duty cycle factor =10\*log(1/duty cycle)=0.03**



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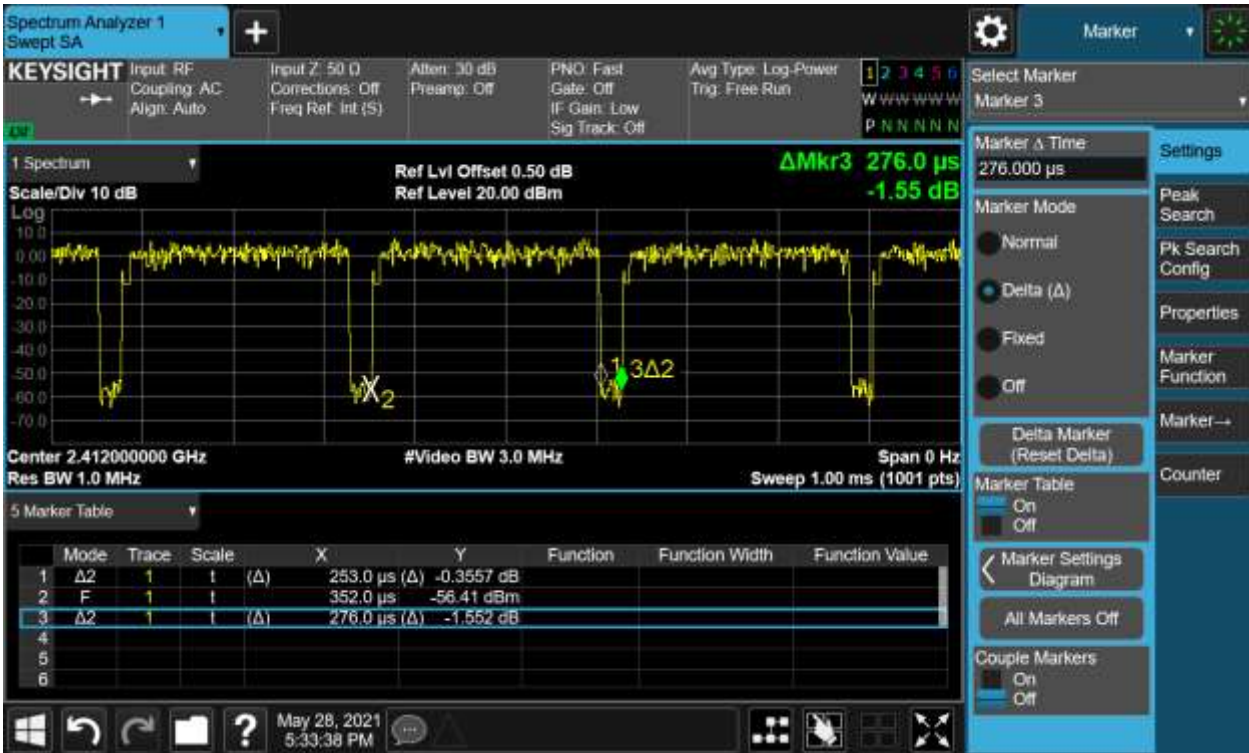
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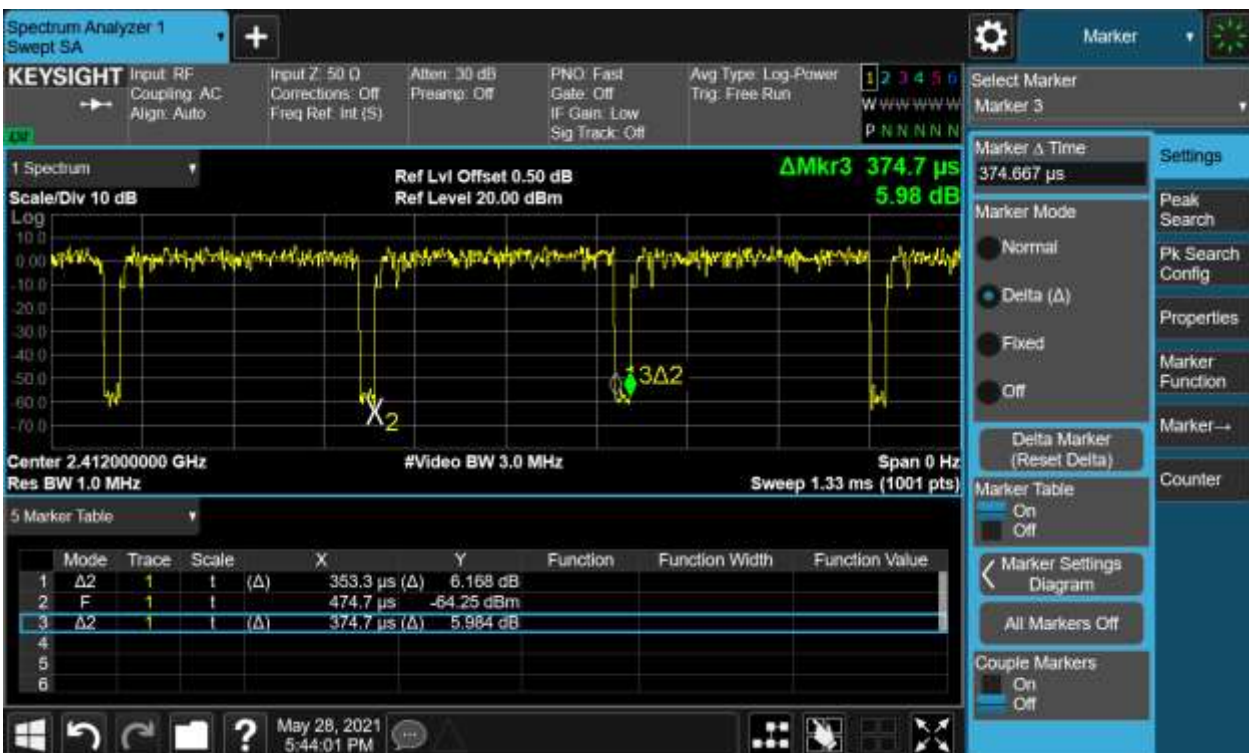
802.11g <98%

Duty cycle factor =  $10 \cdot \log(1/\text{duty cycle}) = 0.38$



802.11n20 <98%

Duty cycle factor =  $10 \cdot \log(1/\text{duty cycle}) = 0.26$



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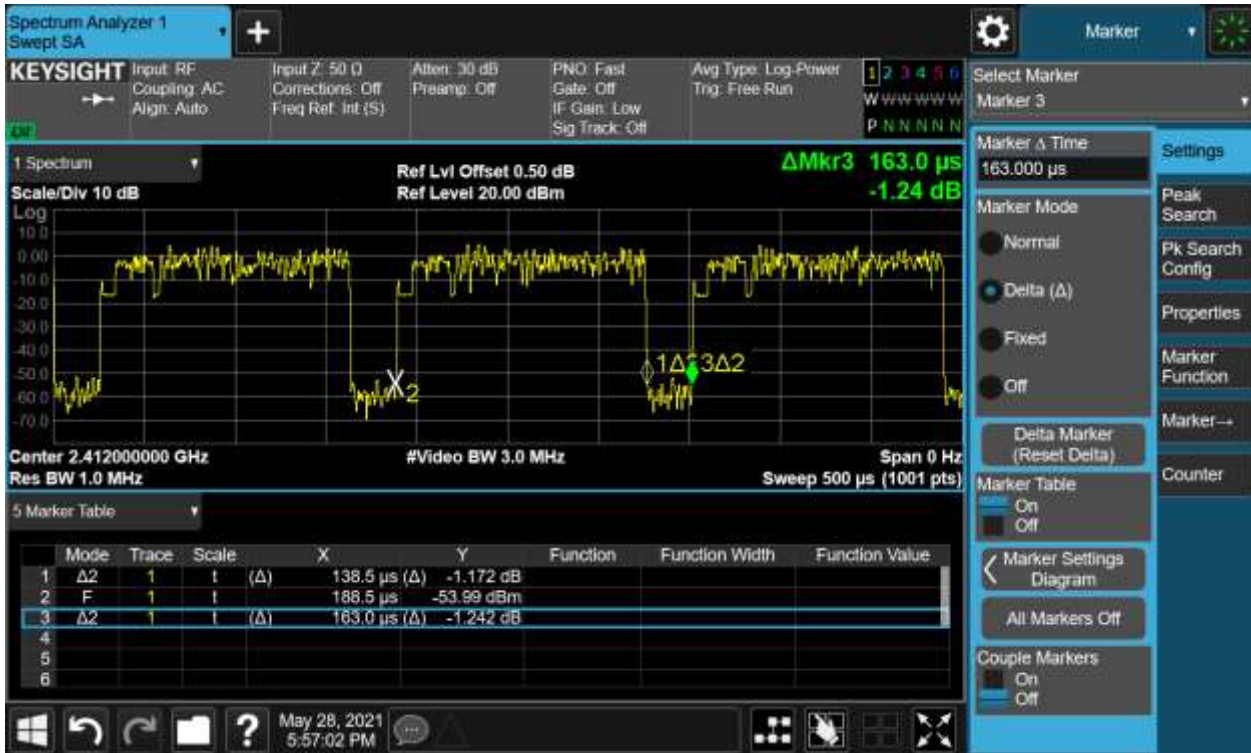
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802.11n40<98%

Duty cycle factor =  $10 \cdot \log(1/\text{duty cycle}) = 0.71$





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## 4.1.3 6dB Bandwidth and 99% Bandwidth

RESULT:

**PASS**

Test standard : FCC Part 15.247(a)(2)  
 RSS-247 5.2(1)  
 RSS-Gen 6.7

Requirement : ANSI C63.10-2013, KDB 558074

Kind of test site : Shielded room

### Test setup

Test Channel : Low/Middle/High

Operation Mode : A.1.a

Ambient temperature : 23°C

Relative humidity : 52%

**Table 3: 6dB Bandwidth and 99% Bandwidth**

Test Mode	Test Channel (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	6 dB Bandwidth Limit (MHz)
802.11b	2412	9.647	12.647	≥0.5
	2437	9.035	12.649	
	2462	9.808	12.651	
802.11g	2412	15.17	16.681	
	2437	15.39	16.630	
	2462	15.45	16.609	
802.11n(HT20)	2412	14.84	17.836	
	2437	15.11	17.871	
	2462	15.67	17.826	
802.11n(HT40)	2422	35.16	36.083	
	2437	35.18	36.150	
	2452	35.19	35.983	

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Figure 1: 6dB Bandwidth and 99% Bandwidth, 802.11b, 2412MHz



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Figure 2: 6dB Bandwidth and 99% Bandwidth, 802.11b, 2437MHz



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Figure 3: 6dB Bandwidth and 99% Bandwidth, 802.11b, 2462MHz



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Figure 4: 6dB Bandwidth and 99% Bandwidth, 802.11g, 2412MHz





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Figure 5: 6dB Bandwidth and 99% Bandwidth, 802.11g, 2437MHz



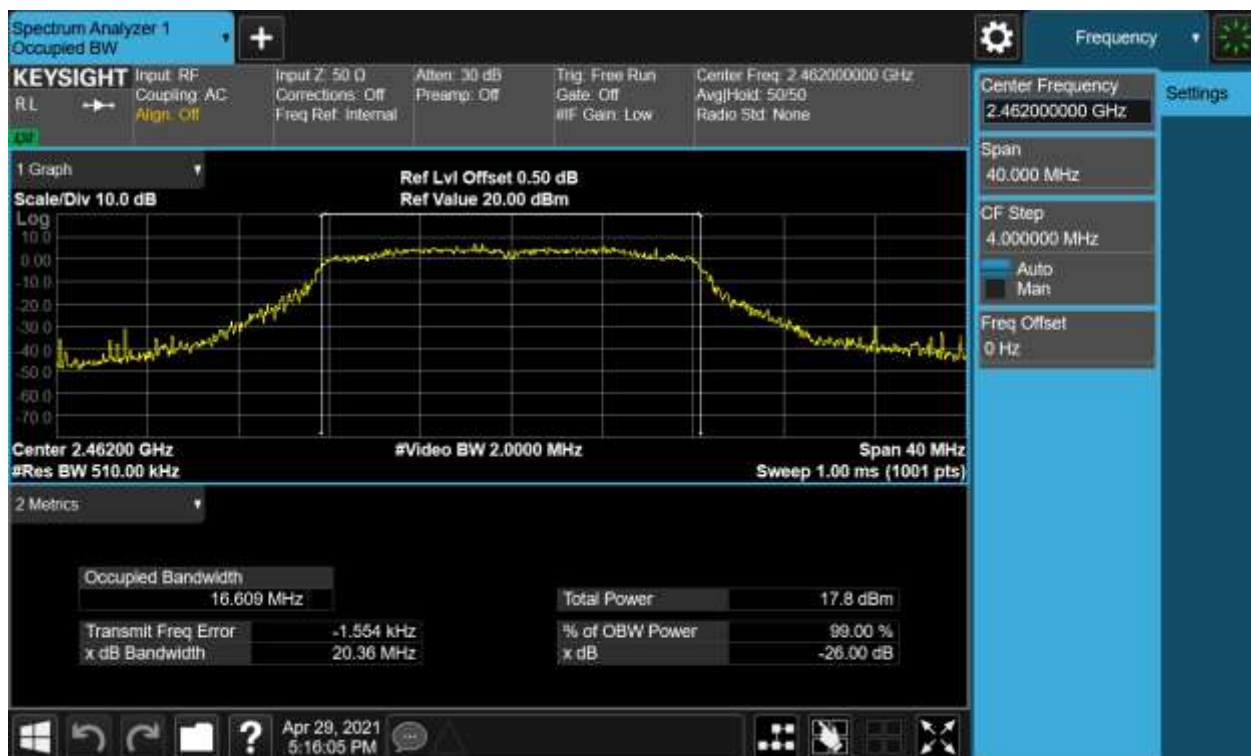
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Figure 6: 6dB Bandwidth and 99% Bandwidth, 802.11g, 2462MHz



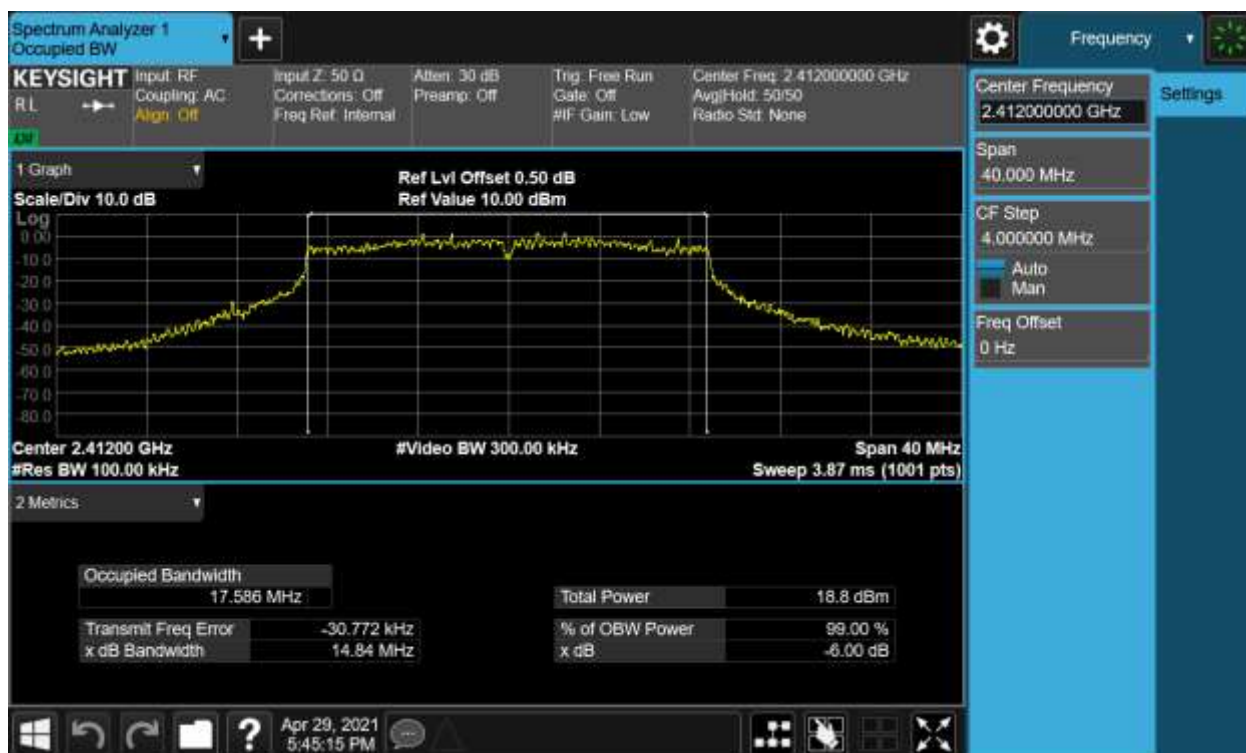
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Figure 7: 6dB Bandwidth and 99% Bandwidth, 802.11n(HT20), 2412MHz





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Figure 8: 6dB Bandwidth and 99% Bandwidth, 802.11n(HT20), 2437MHz



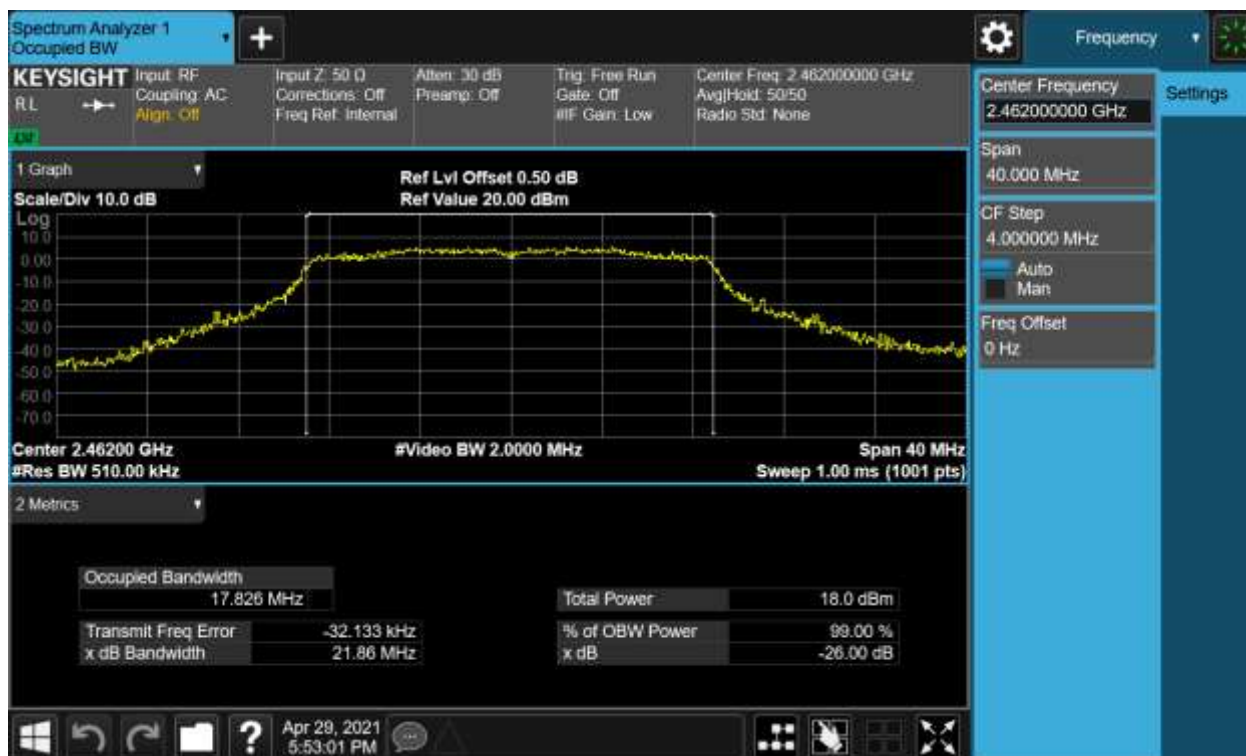
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Figure 9: 6dB Bandwidth and 99% Bandwidth, 802.11n(HT20), 2462MHz



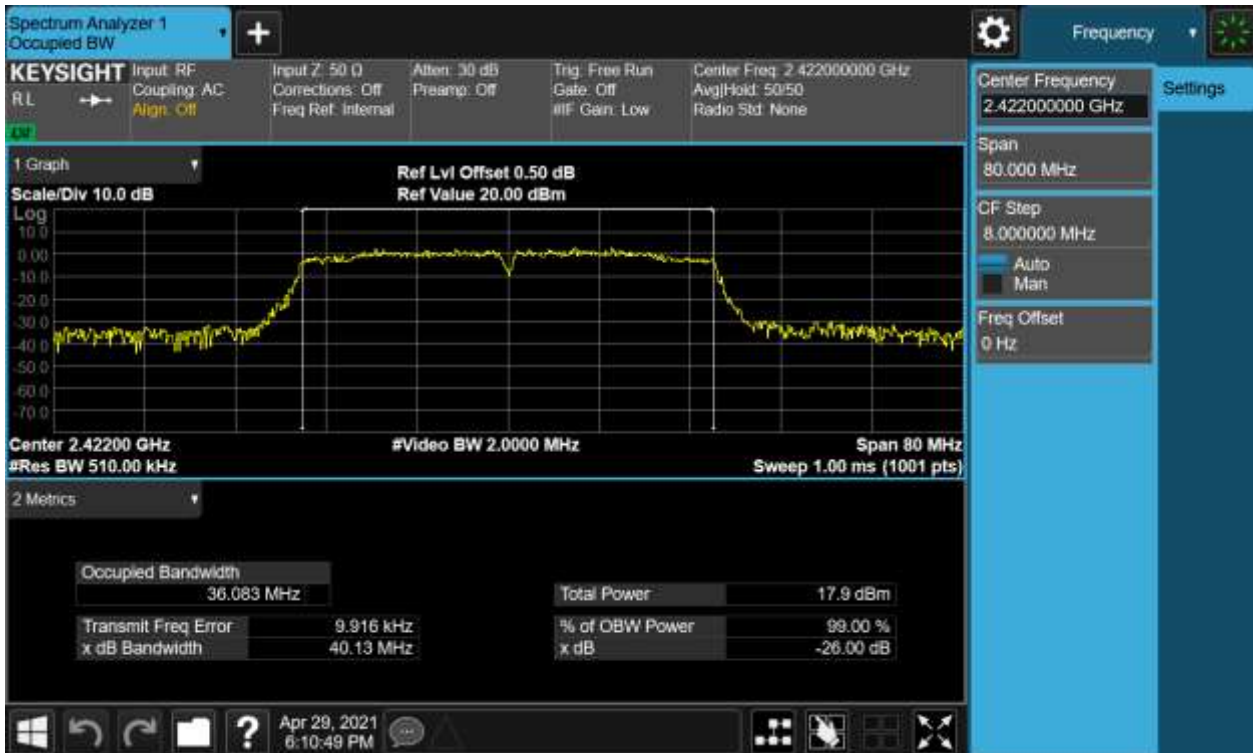
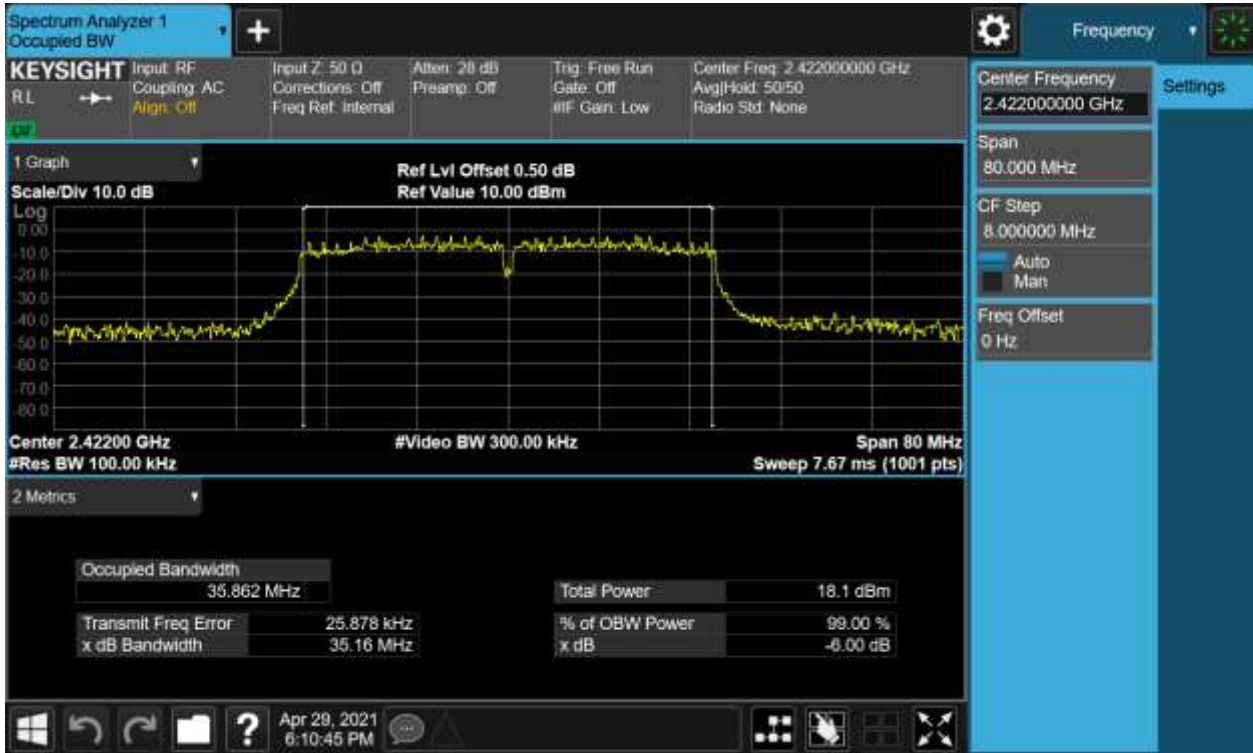
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Figure 10: 6dB Bandwidth and 99% Bandwidth, 802.11n(HT40), 2422MHz



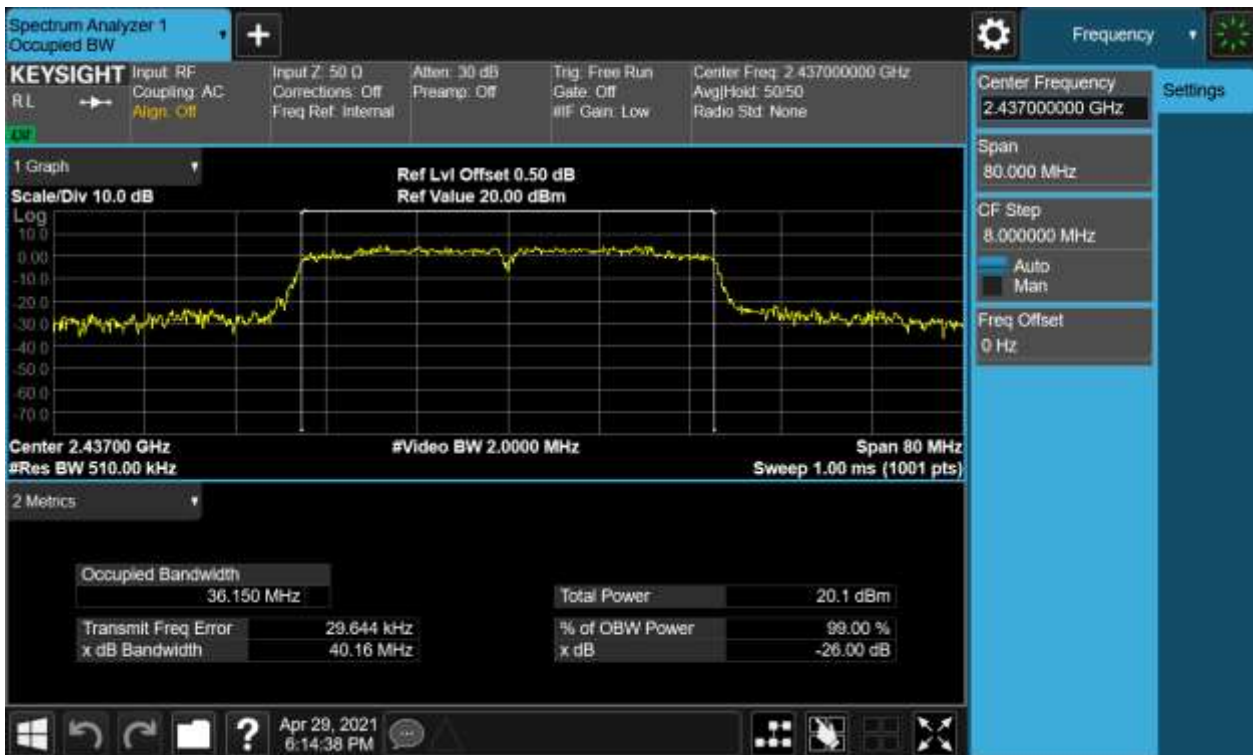
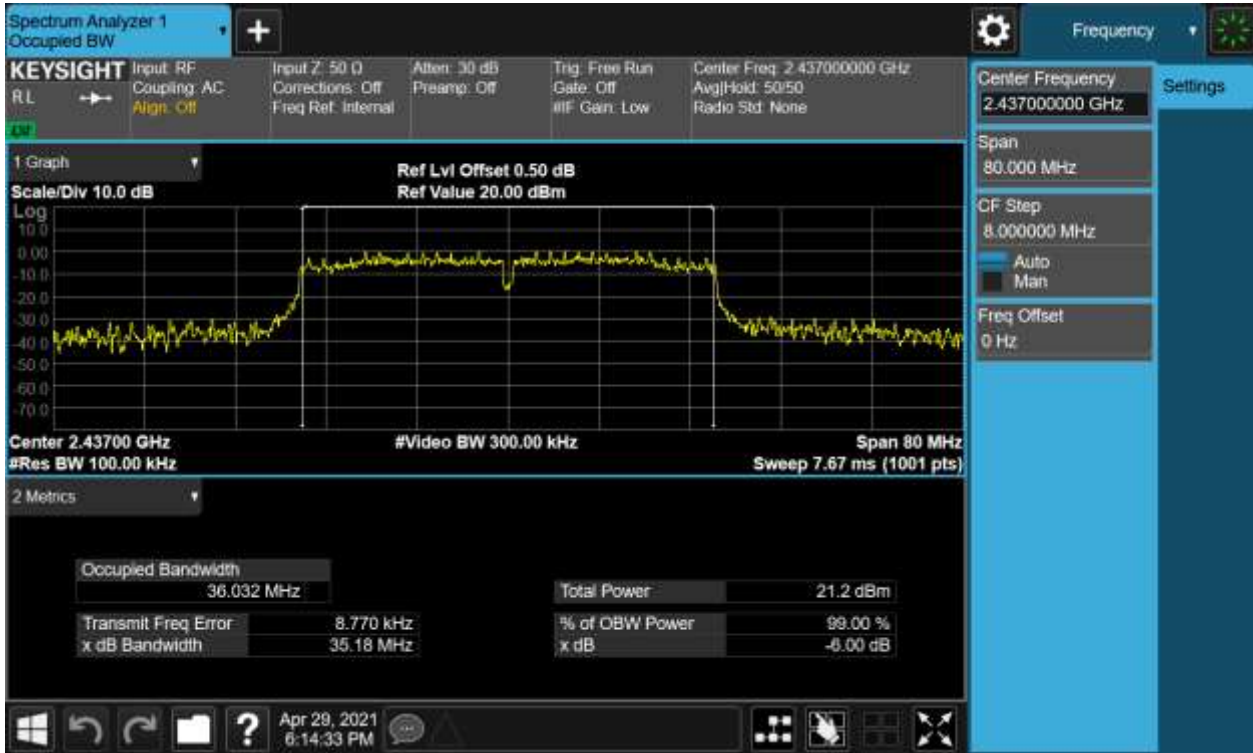
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Figure 11: 6dB Bandwidth and 99% Bandwidth, 802.11n(HT40), 2437MHz





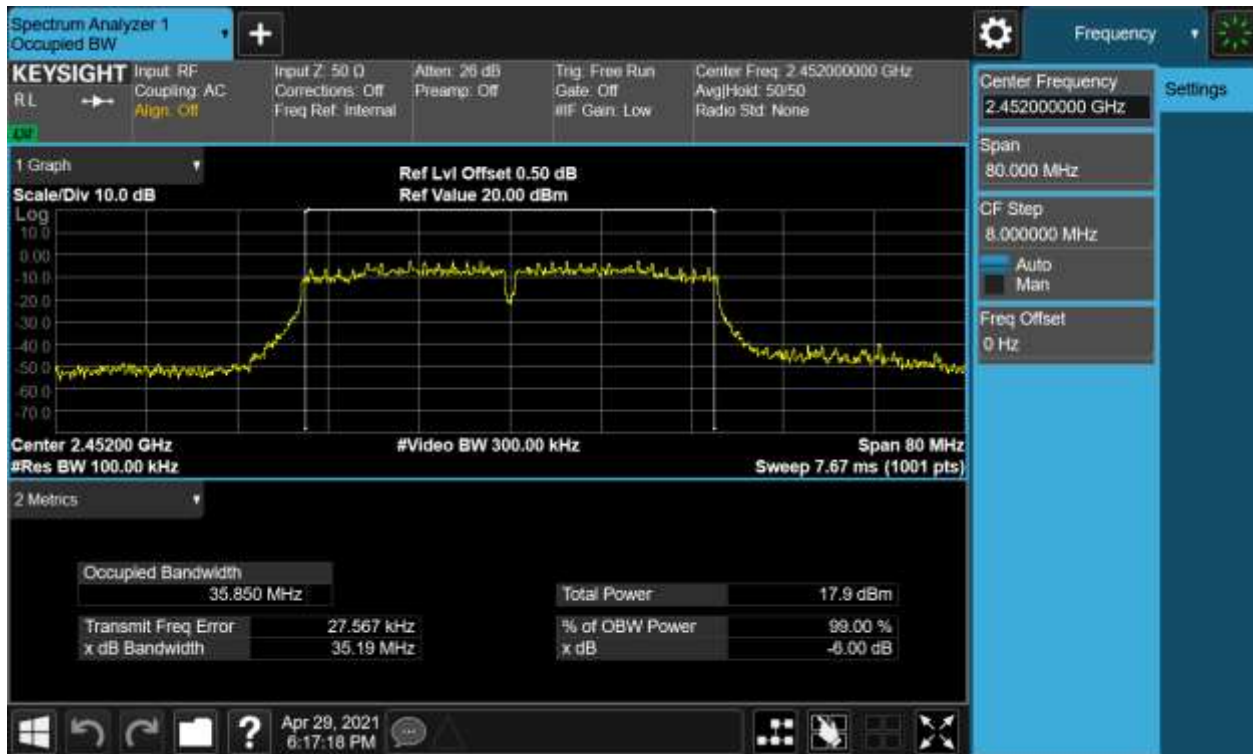
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Figure 12: 6dB Bandwidth and 99% Bandwidth, 802.11n(HT40), 2452MHz



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## 4.1.4 Power Spectral Density

### RESULT:

**PASS**

Test standard : FCC Part 15.247(e)  
RSS-247 5.2(2)  
Requirement : ANSI C63.10-2013, KDB 558074  
Kind of test site : Shielded room

### Test setup

Test Channel : Low/Middle/High  
Operation Mode : A.1.a  
Ambient temperature : 23°C  
Relative humidity : 52%

**Table 4: Power Spectral Density**

Test Mode	Test Channel (MHz)	Measured Result (dBm/3kHz)	Limit (dBm/3kHz)
802.11b	2412	-9.36	≤8
	2437	-8.51	
	2462	-9.02	
802.11g	2412	-12.57	
	2437	-11.52	
	2462	-12.71	
802.11n(HT20)	2412	-13.64	
	2437	-9.58	
	2462	-14.27	
802.11n(HT40)	2422	-14.63	
	2437	-14.29	
	2452	-15.95	

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Figure 13: Power Spectral Density, 802.11b, 2412MHz



Figure 14: Power Spectral Density, 802.11b, 2437MHz



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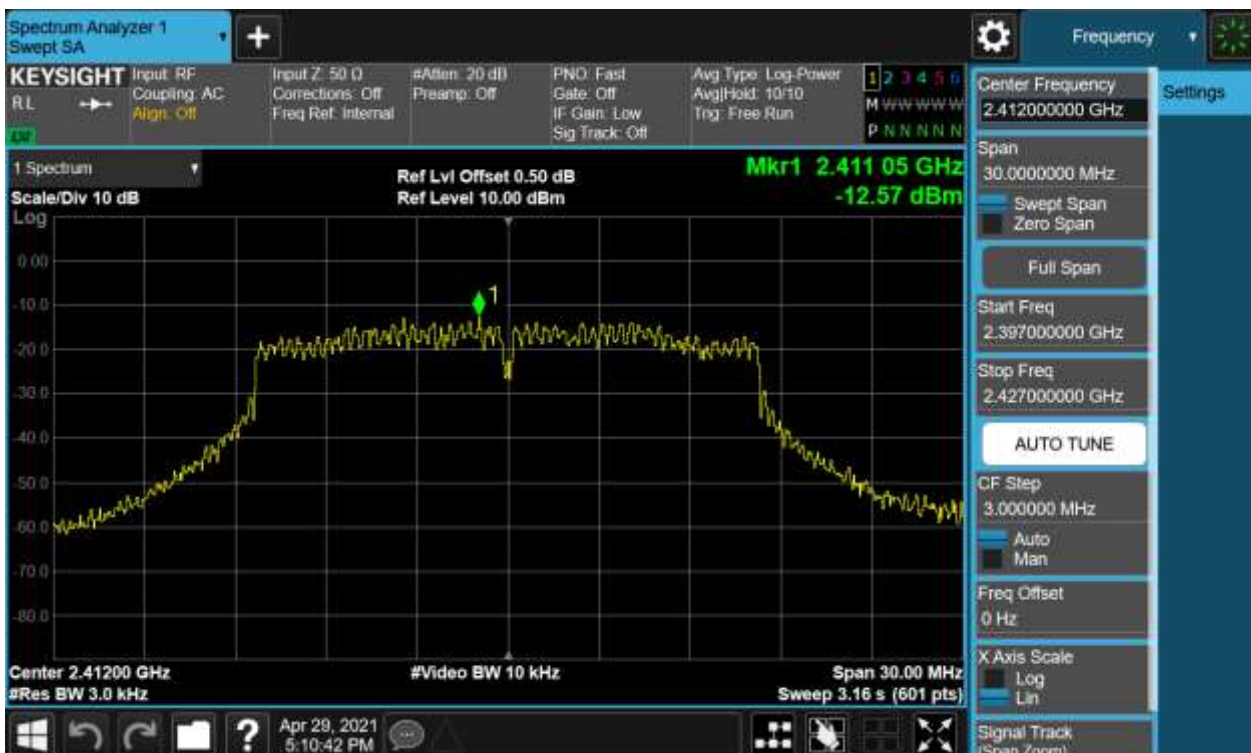
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Figure 15: Power Spectral Density, 802.11b, 2462MHz



Figure 16: Power Spectral Density, 802.11g, 2412MHz





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Figure 17: Power Spectral Density, 802.11g, 2437MHz

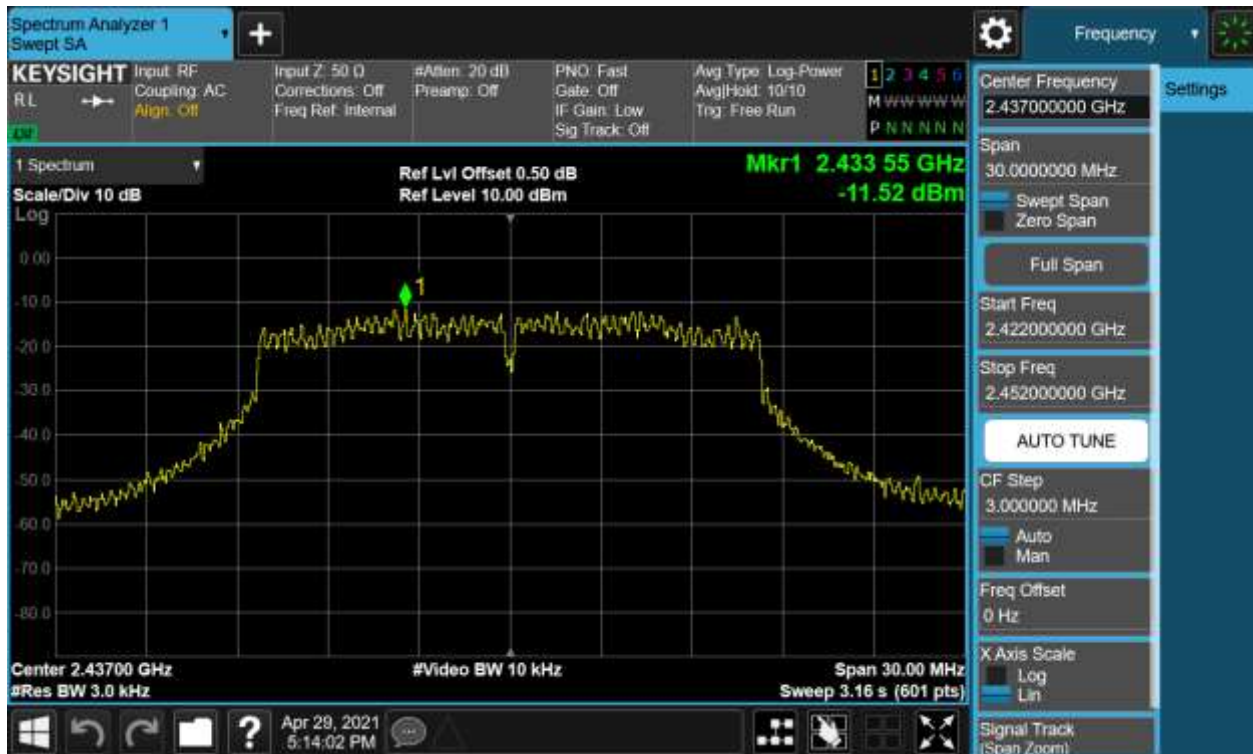
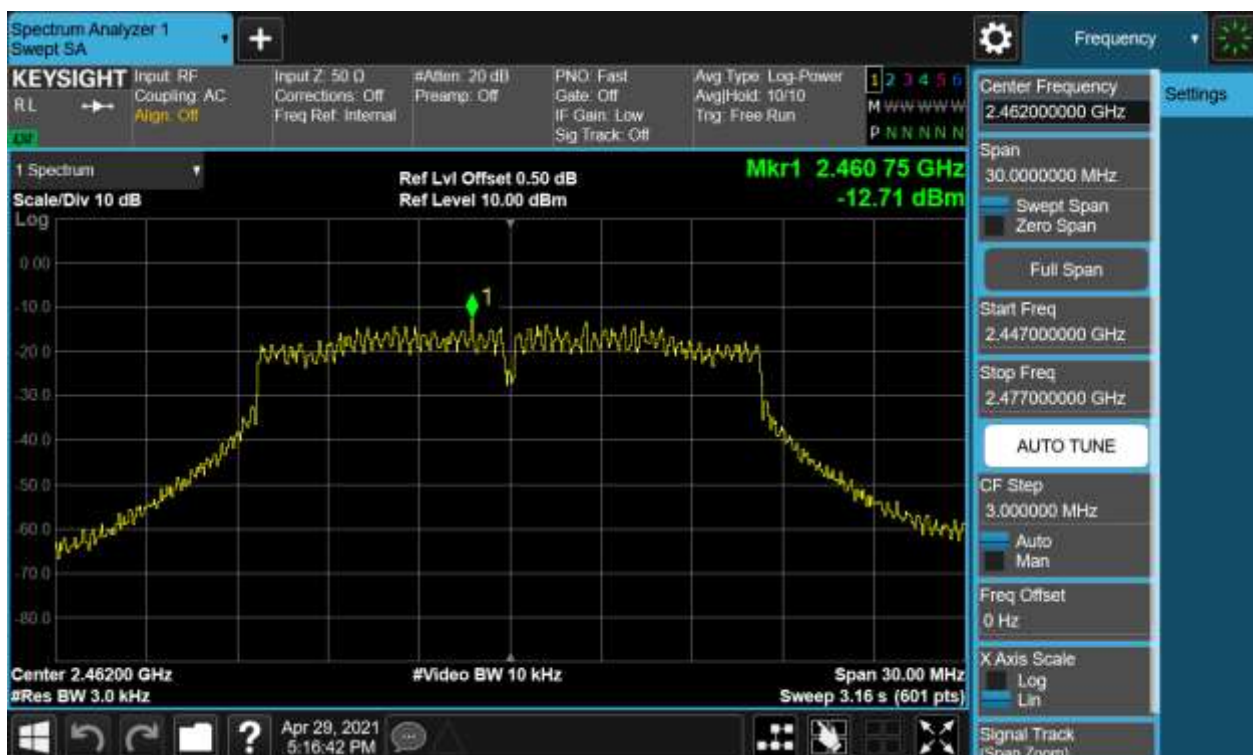


Figure 18: Power Spectral Density, 802.11g, 2462MHz



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Figure 19: Power Spectral Density, 802.11n(HT20), 2412MHz

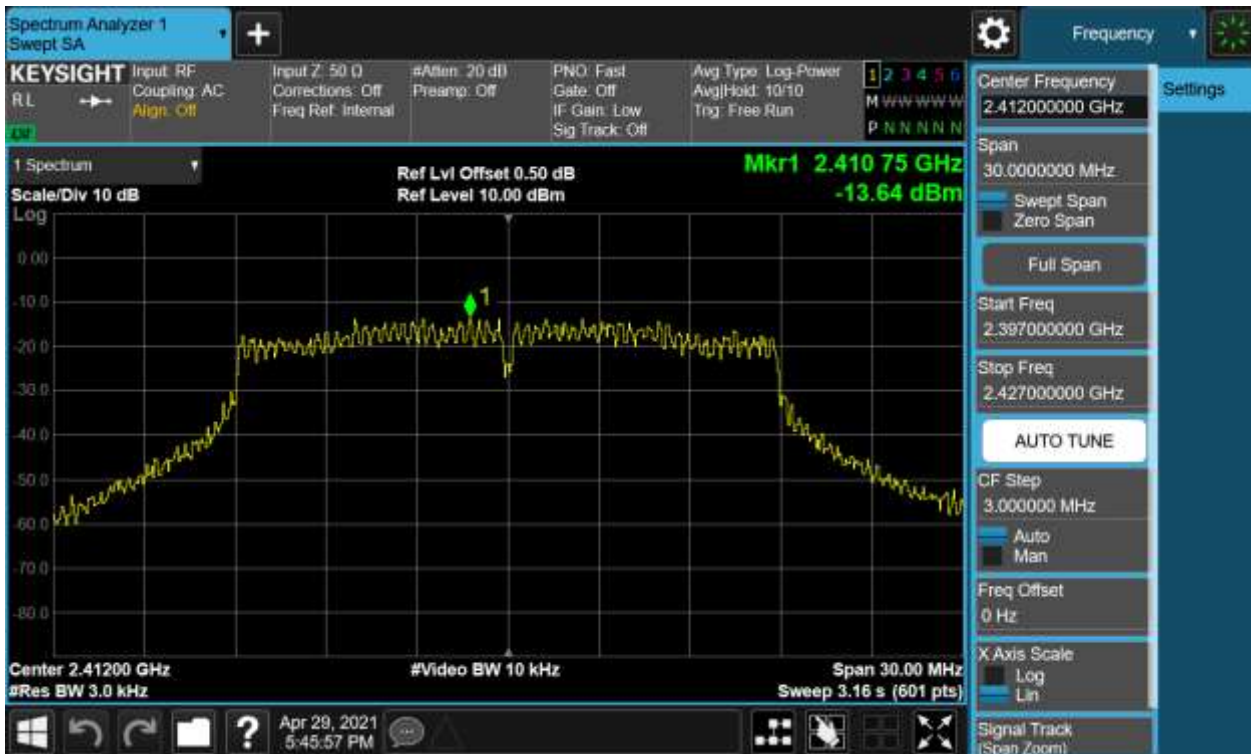


Figure 20: Power Spectral Density, 802.11n(HT20), 2437MHz



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Figure 21: Power Spectral Density, 802.11n(HT20), 2462MHz

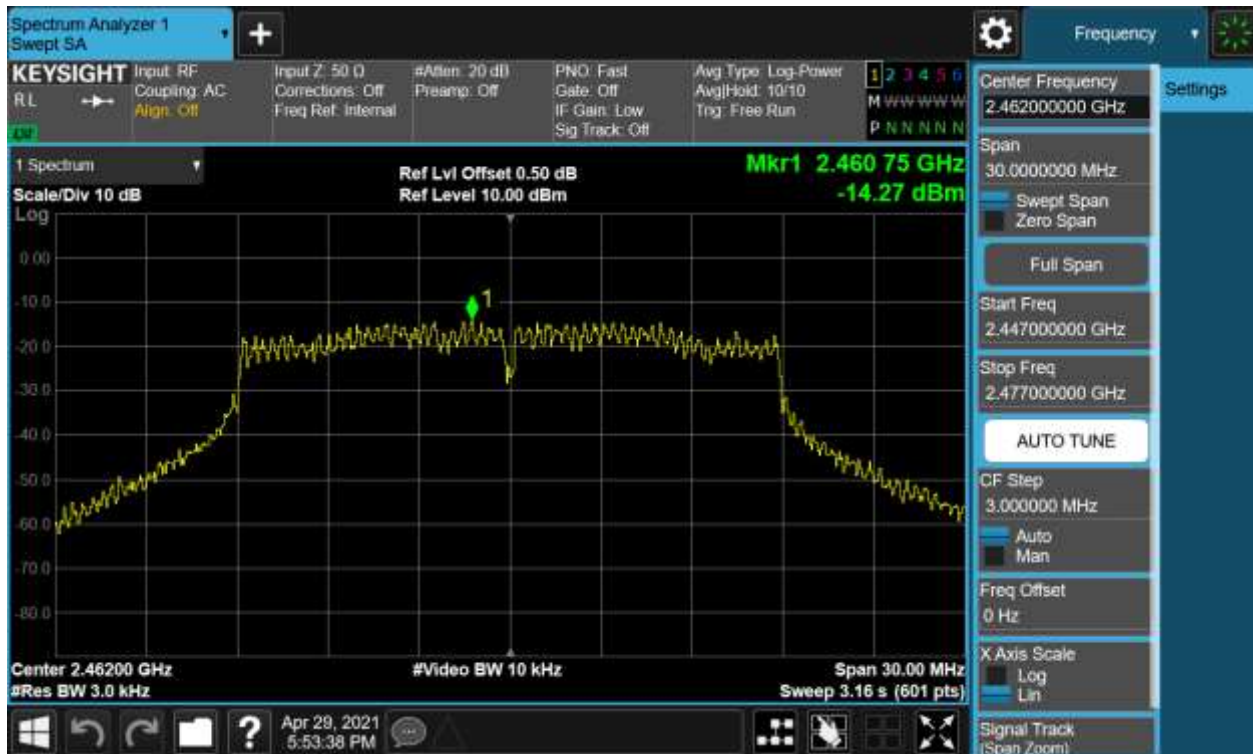


Figure 22: Power Spectral Density, 802.11n(HT40), 2422MHz





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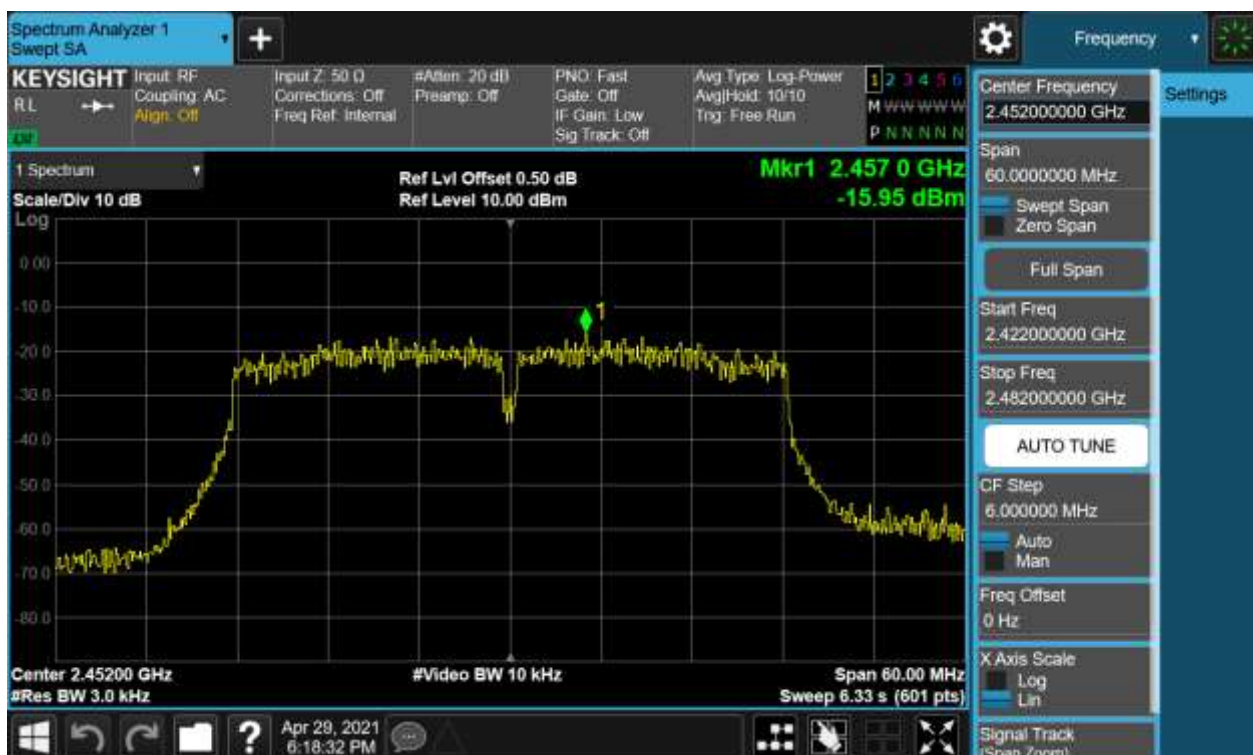
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Figure 23: Power Spectral Density, 802.11n(HT40), 2437MHz



Figure 24: Power Spectral Density, 802.11n(HT40), 2452MHz



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## 4.1.5 Conducted Spurious Emission & Authorized-band band-edge

RESULT:

PASS

Test standard : FCC Part 15.247(d), 15.209  
RSS-247 5.5  
RSS-Gen 8.9

Requirement : ANSI C63.10-2013, KDB 558074

Kind of test site : Shielded room

### Test setup

Test Channel : Low/Middle/High for spurious, Low/High for Band Edge

Operation Mode : A.1.a

Ambient temperature : 23°C

Relative humidity : 52%

For details refer to following test plot.

Figure 25: Conducted Spurious Emission & Authorized-band band-edge, 802.11b, 2412MHz Carrier Level



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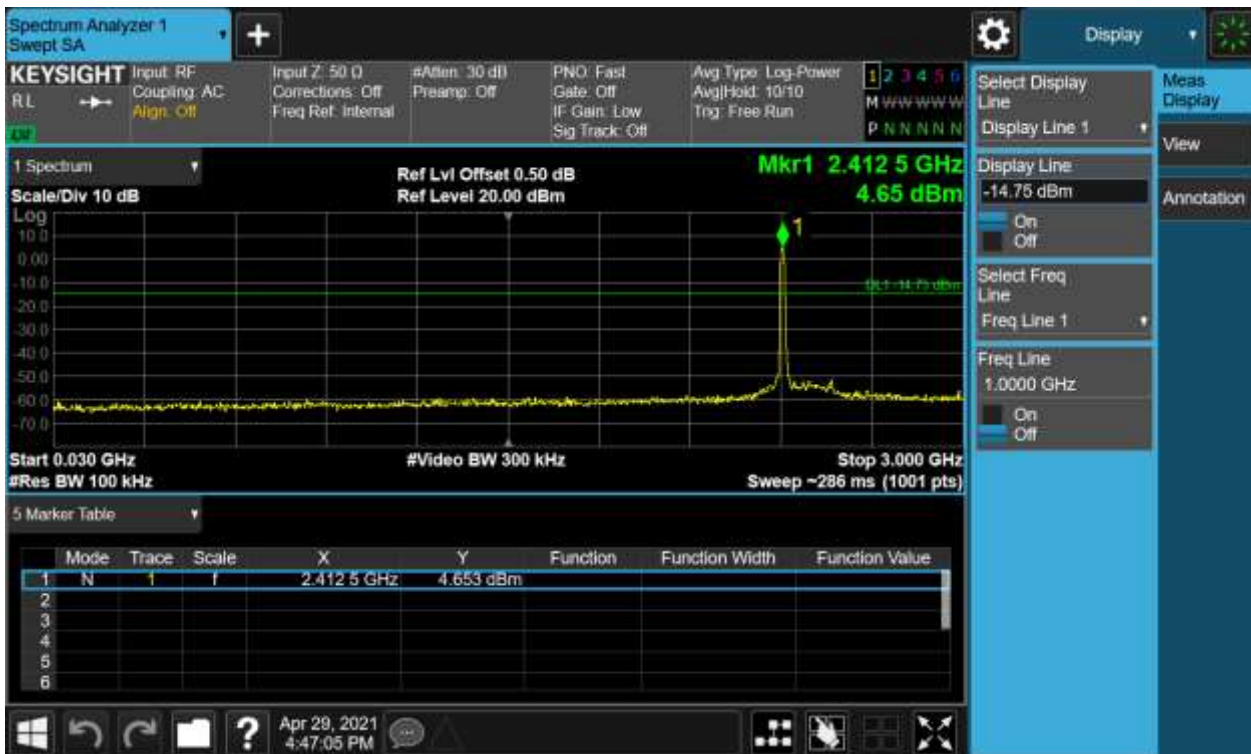
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## Band Edge



## Conducted spurious emissions 30MHz-25GHz





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Figure 26: Conducted Spurious Emission & Authorized-band band-edge, 802.11b, 2437MHz Carrier Level



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## Conducted spurious emissions 30MHz-25GHz





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Figure 27: Conducted Spurious Emission & Authorized-band band-edge, 802.11b, 2462MHz Carrier Level



## Band Edge



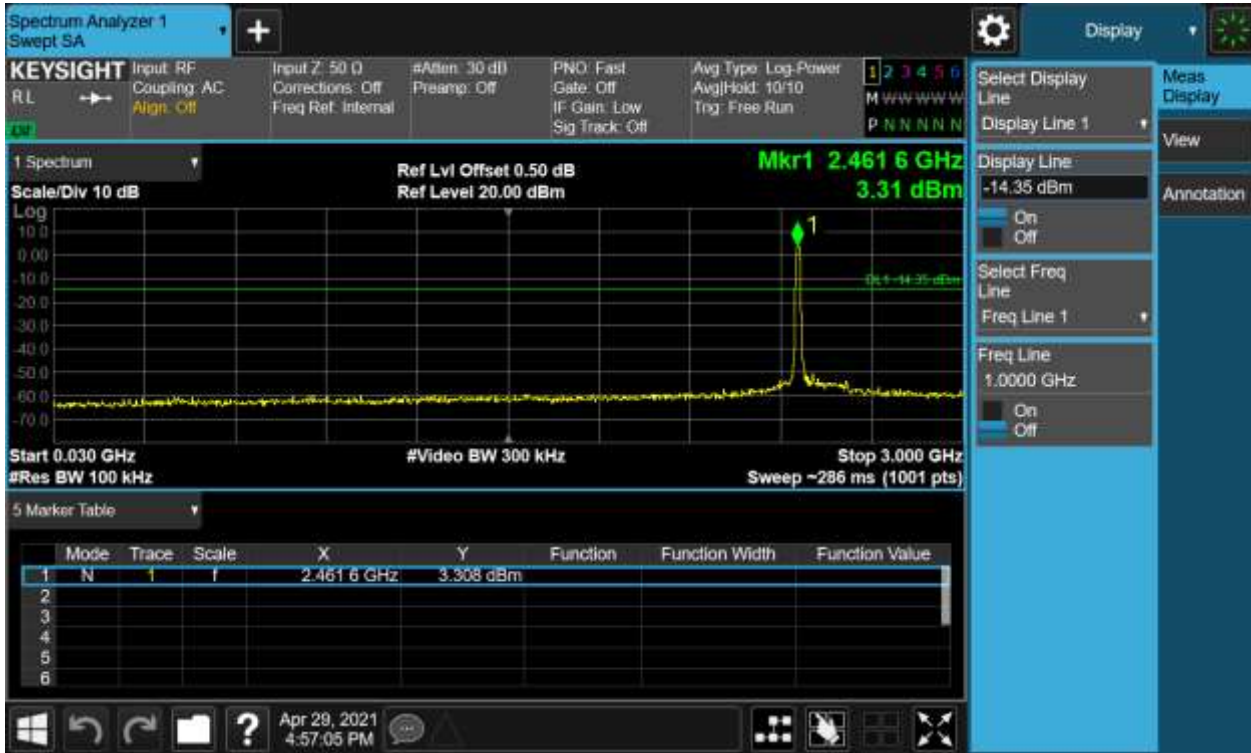
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## Conducted spurious emissions 30MHz-25GHz



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Figure 28: Conducted Spurious Emission & Authorized-band band-edge, 802.11g, 2412MHz Carrier Level



## Band Edge





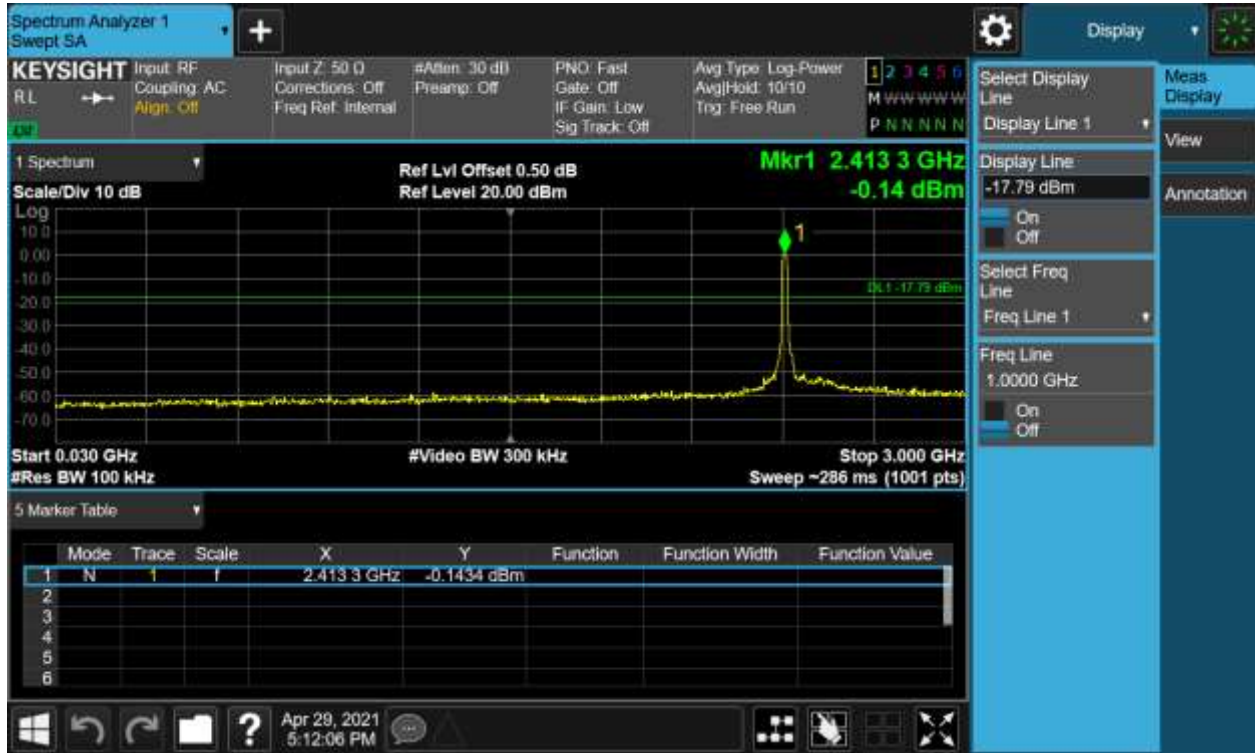
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## Conducted spurious emissions 30MHz-25GHz



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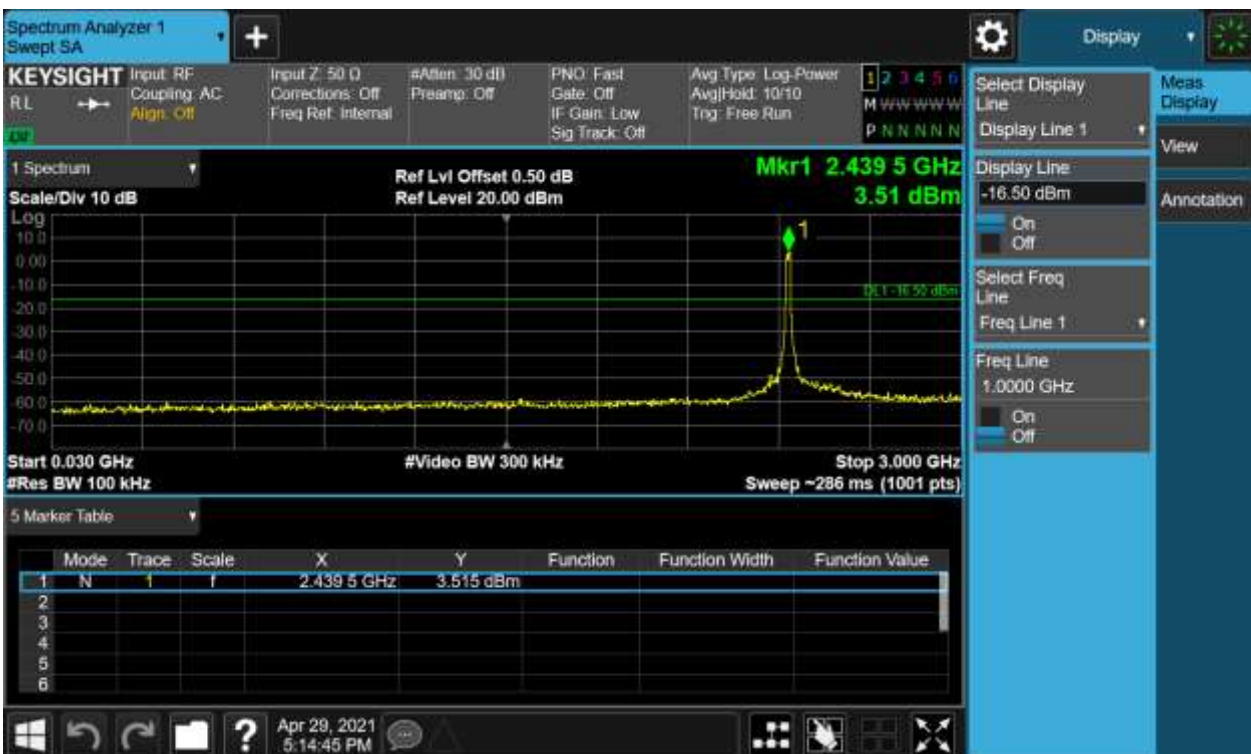
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Figure 29: Conducted Spurious Emission & Authorized-band band-edge, 802.11g, 2437MHz Carrier Level



Conducted spurious emissions 30MHz-25GHz





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Figure 30: Conducted Spurious Emission & Authorized-band band-edge, 802.11g, 2462MHz Carrier Level



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## Band Edge



## Conducted spurious emissions 30MHz-25GHz



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Figure 31: Conducted Spurious Emission & Authorized-band band-edge, 802.11n(HT20), 2412MHz Carrier Level





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## Band Edge



## Conducted spurious emissions 30MHz-25GHz



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Figure 32: Conducted Spurious Emission & Authorized-band band-edge, 802.11n(HT20), 2437MHz Carrier Level





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## Conducted spurious emissions 30MHz-25GHz



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Figure 33: Conducted Spurious Emission & Authorized-band band-edge, 802.11n(HT20), 2462MHz Carrier Level



## Band Edge



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## Conducted spurious emissions 30MHz-25GHz





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Figure 34: Conducted Spurious Emission & Authorized-band band-edge, 802.11n(HT40), 2422MHz Carrier Level



## Band Edge



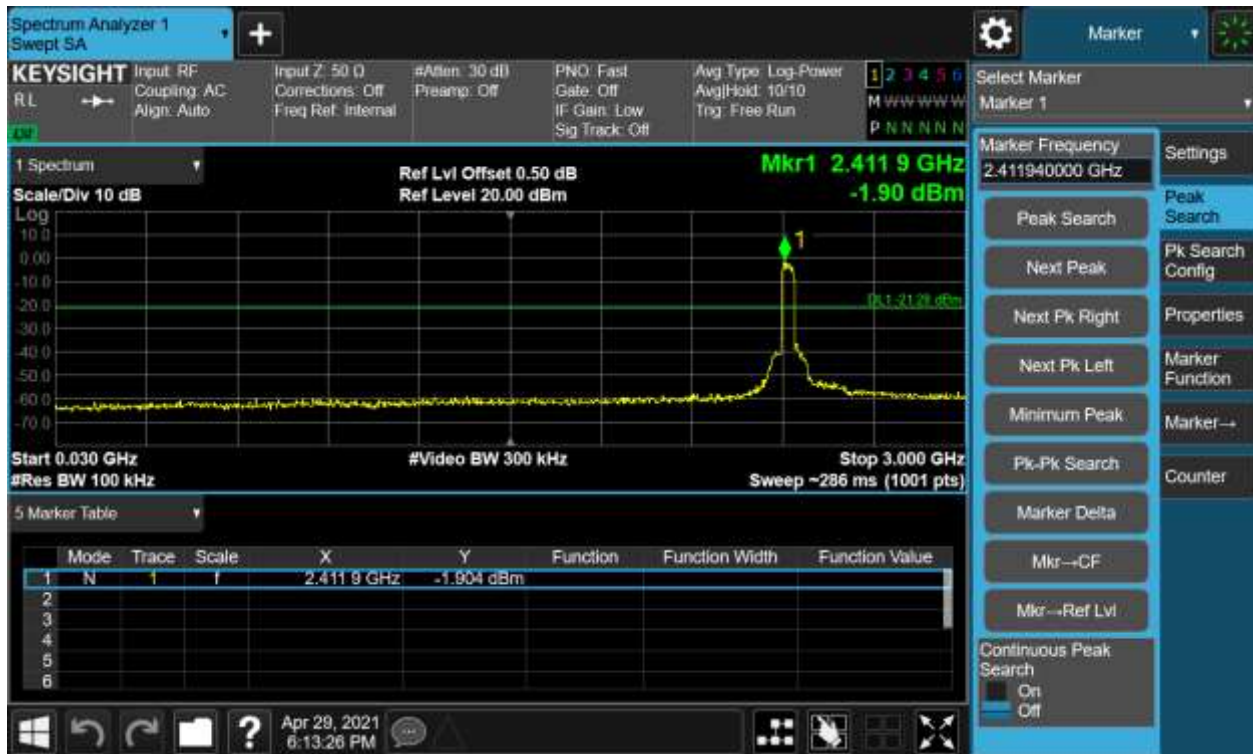
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## Conducted spurious emissions 30MHz-25GHz





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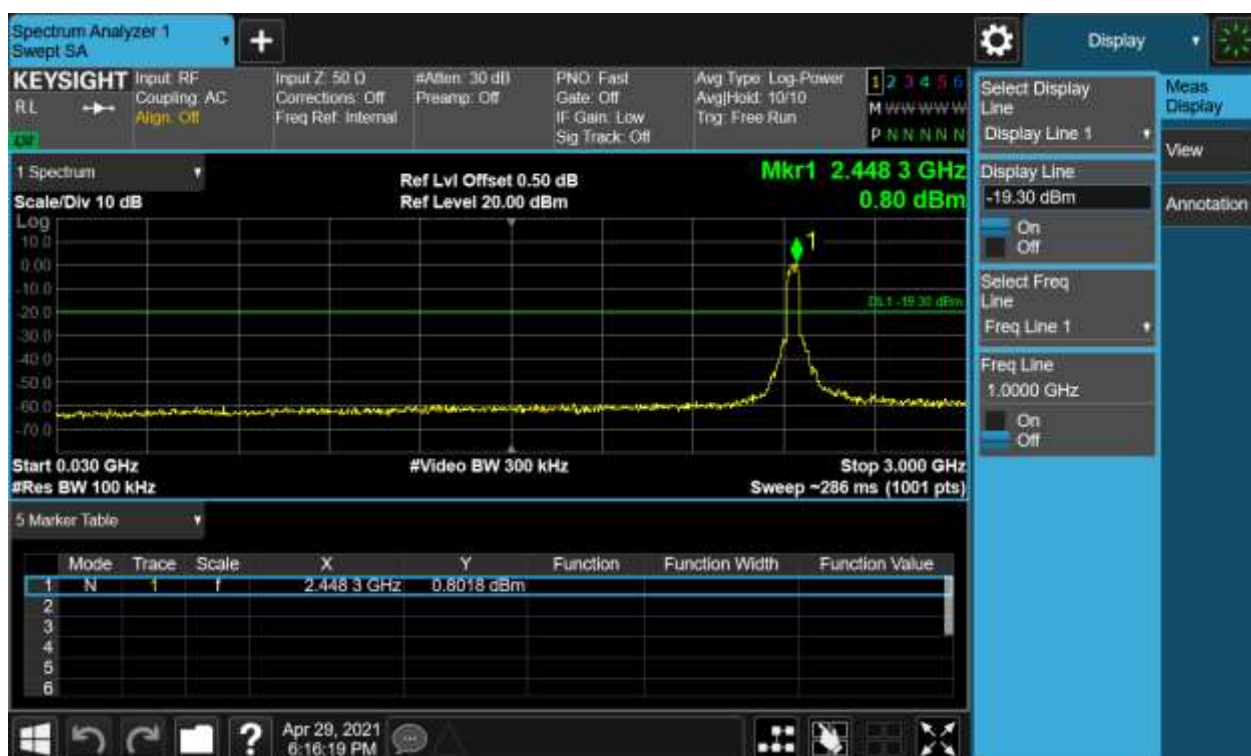
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Figure 35: Conducted Spurious Emission & Authorized-band band-edge, 802.11n(HT40), 2437MHz Carrier Level



Conducted spurious emissions 30MHz-25GHz



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Figure 36: Conducted Spurious Emission & Authorized-band band-edge, 802.11n(HT40), 2452MHz Carrier Level



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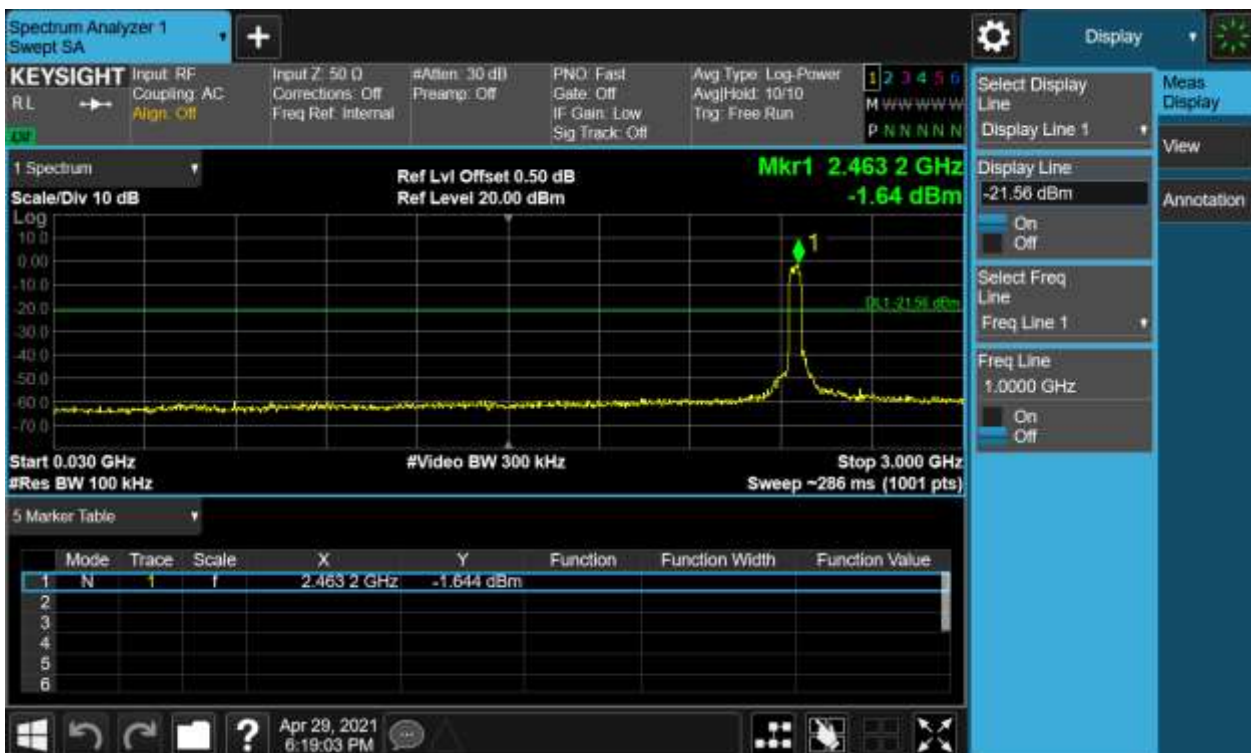
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## Band Edge



## Conducted spurious emissions 30MHz-25GHz





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## 4.1.6 Radiated Spurious Emission

RESULT:

**PASS**

Test standard : FCC Part 15.247(d), 15.205, 15.209  
RSS-247 5.5  
Requirement : ANSI C63.10-2013, KDB 558074  
Kind of test site : 3m Semi-Anechoic Chamber

### Test setup

Test Channel : Low/Middle/High  
Operation Mode : A  
Ambient temperature : 23°C  
Relative humidity : 52%

### Notes

*Test plots please refer to the annex document "SHE21040013-02GE DATA WIFI 2.4GHz-TX EXHIBIT A".*

1. For 9 kHz ~ 30 MHz, the amplitude of spurious emissions that are attenuated by more than 20dB below the permissible. The value has no need to be reported.
2. The spurious above 18GHz is noise only and 20dB below the limit. The value has no need to be reported.
3. The EUT is working in the Normal link mode below 1 GHz.
4. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement -X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report.



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## 4.1.7 Band Edge (Restricted-band band-edge)

RESULT:

**PASS**

Test standard : FCC Part 15.247(d), 15.205, 15.209  
RSS-247 5.5  
Requirement : ANSI C63.10-2013, KDB 558074  
Kind of test site : 3m Semi-Anechoic Chamber

### Test setup

Test Channel : Low/Middle/High  
Operation Mode : A.1  
Ambient temperature : 23°C  
Relative humidity : 52%

### Notes:

Test plots please refer to the annex document "SHE21040013-02GE DATA WIFI 2.4GHz-TX EXHIBIT A".

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## 4.2 Mains Emissions

### 4.2.1 Conducted Emission on AC Mains

RESULT:

**PASS**

Test standard : FCC Part 15.207(a)  
RSS-Gen 8.8  
Requirement : ANSI C63.10-2013  
Kind of test site : Shielded room

#### Test setup

Input Voltage : AC 120V, 60Hz  
Operation Mode : A  
Earthing : Not Connected  
Ambient temperature : 23°C  
Relative humidity : 52%

For details refer to following test plot.

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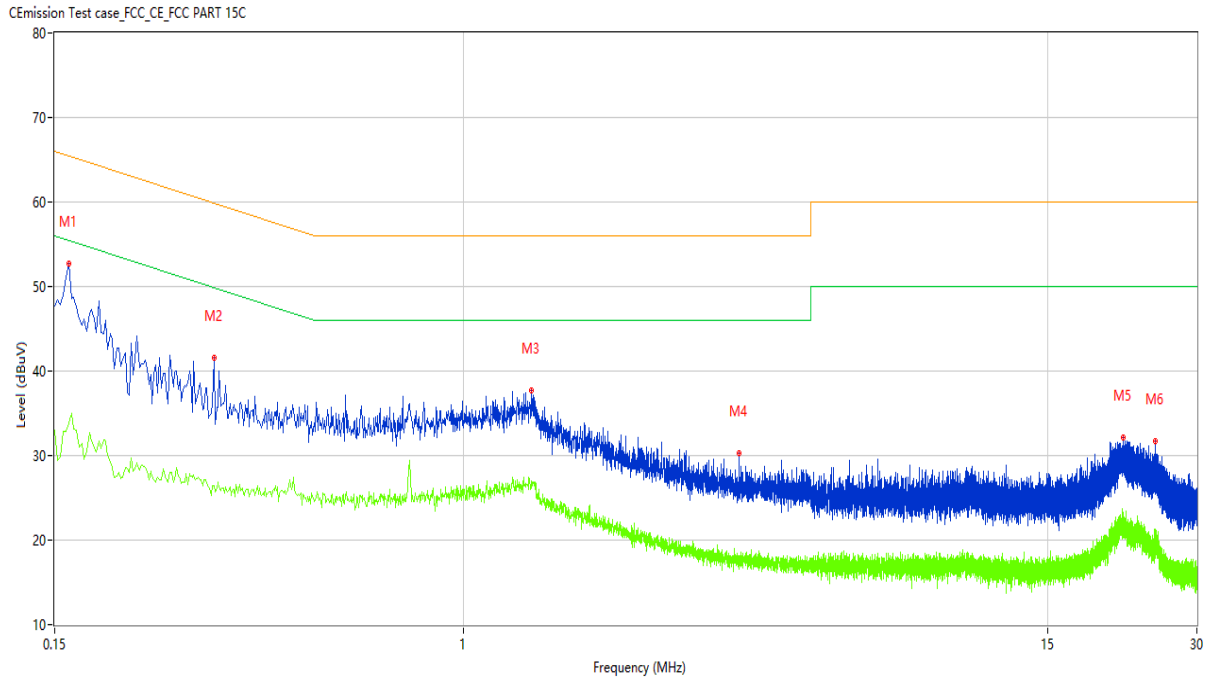
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Note: The all configurations were tested respectively, but only the worst configuration shown here.

**Figure 37: Conducted Emission on AC Mains, L Phase**



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.154	53.11	9.67	65.78	-12.67	Peak	L	Pass
1*	0.154	46.07	9.67	65.78	-19.71	QP	L	Pass
1**	0.154	29.87	9.67	55.78	-25.91	AV	L	Pass
2	0.314	38.80	9.71	59.86	-21.06	Peak	L	Pass
2*	0.314	27.80	9.71	59.86	-32.06	QP	L	Pass
2**	0.314	26.40	9.71	49.86	-23.46	AV	L	Pass
3	1.370	29.40	9.67	56.00	-26.60	Peak	L	Pass
3*	1.370	22.43	9.67	56.00	-33.57	QP	L	Pass
3**	1.370	26.95	9.67	46.00	-19.05	AV	L	Pass
4	3.594	22.09	9.68	56.00	-33.91	Peak	L	Pass
4*	3.594	15.15	9.68	56.00	-40.85	QP	L	Pass
4**	3.594	18.13	9.68	46.00	-27.87	AV	L	Pass
5	21.330	29.89	9.44	60.00	-30.11	Peak	L	Pass
5*	21.330	25.09	9.44	60.00	-34.91	QP	L	Pass
5**	21.330	21.87	9.44	50.00	-28.13	AV	L	Pass
6	24.702	27.17	9.43	60.00	-32.83	Peak	L	Pass
6*	24.702	21.78	9.43	60.00	-38.22	QP	L	Pass
6**	24.702	20.23	9.43	50.00	-29.77	AV	L	Pass

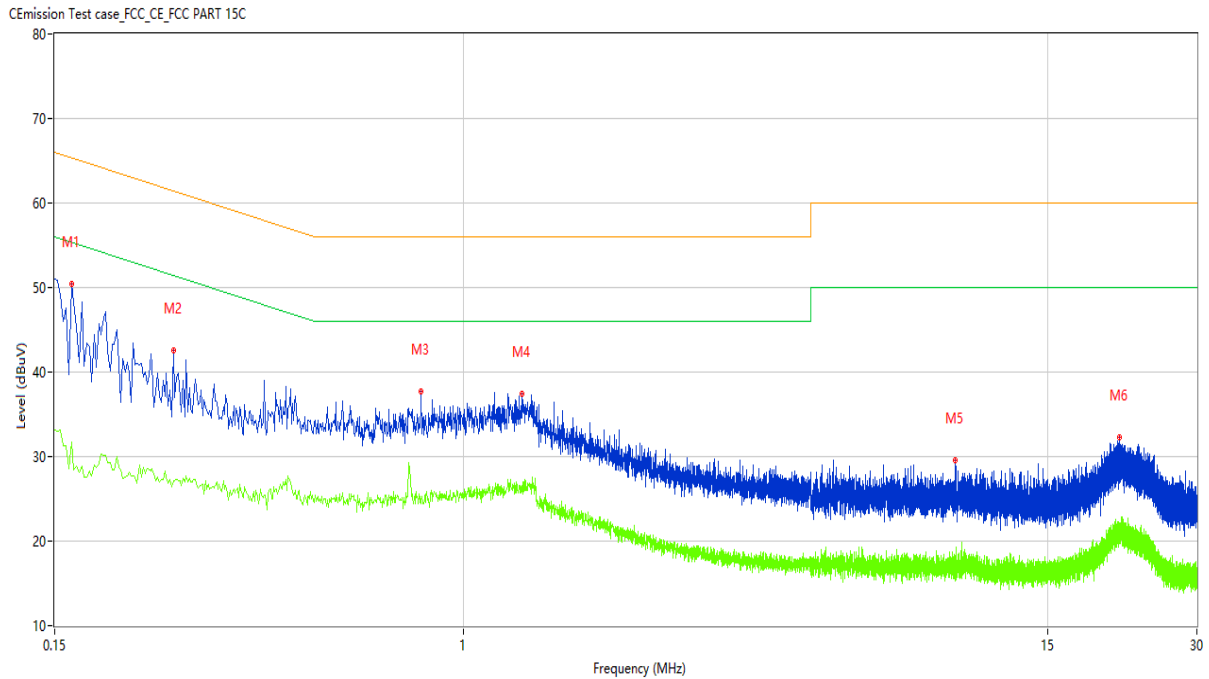
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**Figure 38: Conducted Emission on AC Mains, N Phase**



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.162	50.88	9.67	65.36	-14.48	Peak	N	Pass
1*	0.162	41.72	9.67	65.36	-23.64	QP	N	Pass
1**	0.162	31.76	9.67	55.36	-23.60	AV	N	Pass
2	0.260	41.34	9.70	61.43	-20.09	Peak	N	Pass
2*	0.260	31.82	9.70	61.43	-29.61	QP	N	Pass
2**	0.260	27.08	9.70	51.43	-24.35	AV	N	Pass
3	0.822	28.91	9.75	56.00	-27.09	Peak	N	Pass
3*	0.822	21.82	9.75	56.00	-34.18	QP	N	Pass
3**	0.822	24.73	9.75	46.00	-21.27	AV	N	Pass
4	1.312	30.21	9.67	56.00	-25.79	Peak	N	Pass
4*	1.312	22.49	9.67	56.00	-33.51	QP	N	Pass
4**	1.312	26.50	9.67	46.00	-19.50	AV	N	Pass
5	9.778	22.89	9.65	60.00	-37.11	Peak	N	Pass
5*	9.778	16.27	9.65	60.00	-43.73	QP	N	Pass
5**	9.778	16.84	9.65	50.00	-33.16	AV	N	Pass
6	20.968	30.07	9.45	60.00	-29.93	Peak	N	Pass
6*	20.968	24.84	9.45	60.00	-35.16	QP	N	Pass
6**	20.968	21.76	9.45	50.00	-28.24	AV	N	Pass



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## 5 Appendixes

### 5.1 Photographs of the Sample



Front of the sample



Rear of the sample

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## 5.2 Set-up for Conducted Emissions



## 5.3 Set-up for Conducted RF test at Antenna Port



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## 5.4 Set-up for Spurious Emissions below 1GHz



## 5.5 Set-up for Spurious Emissions above 1GHz



\*\*\*End of the report\*\*\*