

## TEST REPORT

**Product** : Wall-Mount AP Router  
**Trade mark** : N/A  
**Model/Type reference** : WF2A  
**Serial Number** : N/A  
**Report Number** : EED32I00114602  
**FCC ID** : 2AH3Z-WF2A  
**Date of Issue** : Dec. 08, 2016  
**Test Standards** : 47 CFR Part 15Subpart C (2015)  
**Test result** : PASS

Prepared for:

**DAN-CHIEF TECHNOLOGY CO., LTD**  
**4F., NO. 12, LN. 270, SEC. 3, BEI-SHEN RD., SHEN KENG DIST.,**  
**NEW TAIPEI CITY 22205, TAIWAN**

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Dec. 08, 2016

Check No.: 2384364341

## 2 Version

Version No.	Date	Description
00	Dec. 08, 2016	Original

### 3 Test Summary

Test Item	Test Requirement	Test method	Result
<b>Antenna Requirement</b>	47 CFR Part 15 Subpart C Section 15.203/15.247 (c)	ANSI C63.10-2013	PASS
<b>AC Power Line Conducted Emission</b>	47 CFR Part 15 Subpart C Section 15.207	ANSI C63.10-2013	PASS
<b>Conducted Peak Output Power</b>	47 CFR Part 15 Subpart C Section 15.247 (b)(3)	ANSI C63.10-2013/ KDB 558074 D01v03r05 KDB 662911 D01v02r01	PASS
<b>6dB Occupied Bandwidth</b>	47 CFR Part 15 Subpart C Section 15.247 (a)(2)	ANSI C63.10-2013/ KDB 558074 D01v03r05	PASS
<b>Power Spectral Density</b>	47 CFR Part 15 Subpart C Section 15.247 (e)	ANSI C63.10-2013/ KDB 558074 D01v03r05 KDB 662911 D01v02r01	PASS
<b>Band-edge for RF Conducted Emissions</b>	47 CFR Part 15 Subpart C Section 15.247(d)	ANSI C63.10-2013/ KDB 558074 D01v03r05 KDB 662911 D01v02r01	PASS
<b>RF Conducted Spurious Emissions</b>	47 CFR Part 15 Subpart C Section 15.247(d)	ANSI C63.10-2013/ KDB 558074 D01v03r05 KDB 662911 D01v02r01	PASS
<b>Radiated Spurious Emissions</b>	47 CFR Part 15 Subpart C Section 15.205/15.209	ANSI C63.10-2013	PASS
<b>Restricted bands around fundamental frequency (Radiated Emission)</b>	47 CFR Part 15 Subpart C Section 15.205/15.209	ANSI C63.10-2013	PASS

Remark:

Test according to ANSI C63.4-2014 & ANSI C63.10-2013.

The tested sample and the sample information are provided by the client.

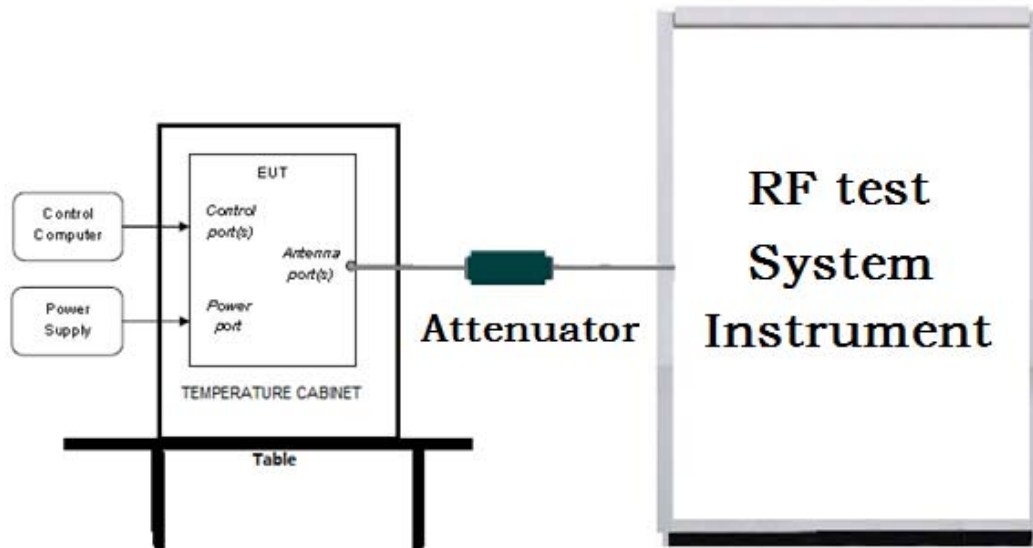
## 4 Content

<b>1 COVER PAGE</b> .....	<b>1</b>
<b>2 VERSION</b> .....	<b>2</b>
<b>3 TEST SUMMARY</b> .....	<b>3</b>
<b>4 CONTENT</b> .....	<b>4</b>
<b>5 TEST REQUIREMENT</b> .....	<b>5</b>
5.1 TEST SETUP.....	5
5.1.1 For Conducted test setup.....	5
5.1.2 For Radiated Emissions test setup.....	5
5.1.3 For Conducted Emissions test setup.....	6
5.2 TEST ENVIRONMENT.....	6
5.3 TEST CONDITION.....	6
<b>6 GENERAL INFORMATION</b> .....	<b>8</b>
6.1 CLIENT INFORMATION.....	8
6.2 GENERAL DESCRIPTION OF EUT.....	8
6.3 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD.....	8
6.4 DESCRIPTION OF SUPPORT UNITS.....	9
6.5 TEST LOCATION.....	9
6.6 TEST FACILITY.....	9
6.7 DEVIATION FROM STANDARDS.....	10
6.8 ABNORMALITIES FROM STANDARD CONDITIONS.....	10
6.9 OTHER INFORMATION REQUESTED BY THE CUSTOMER.....	10
6.10 MEASUREMENT UNCERTAINTY (95% CONFIDENCE LEVELS, K=2).....	11
<b>7 EQUIPMENT LIST</b> .....	<b>12</b>
<b>8 RADIO TECHNICAL REQUIREMENTS SPECIFICATION</b> .....	<b>14</b>
Appendix A): Conducted Peak Output Power.....	15
Appendix B): 6dB Occupied Bandwidth.....	17
Appendix C): Band-edge for RF Conducted Emissions.....	30
Appendix D): RF Conducted Spurious Emissions.....	39
Appendix E): Power Spectral Density.....	64
Appendix F): Antenna Requirement.....	77
Appendix G): AC Power Line Conducted Emission.....	78
Appendix H): Restricted bands around fundamental frequency (Radiated).....	81
Appendix I): Radiated Spurious Emissions.....	113
<b>PHOTOGRAPHS OF TEST SETUP</b> .....	<b>132</b>
<b>PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS</b> .....	<b>135</b>

## 5 Test Requirement

### 5.1 Test setup

#### 5.1.1 For Conducted test setup



#### 5.1.2 For Radiated Emissions test setup

##### Radiated Emissions setup:

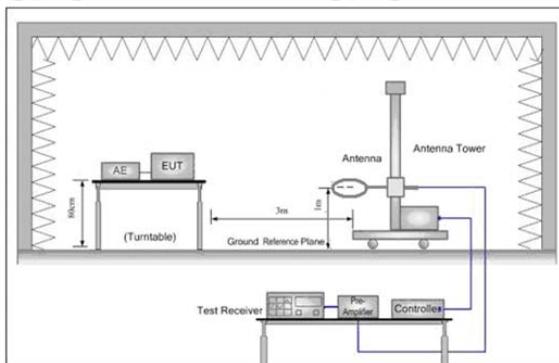


Figure 1. Below 30MHz

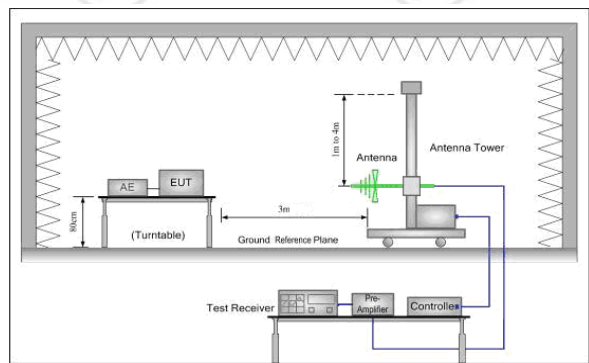


Figure 2. 30MHz to 1GHz

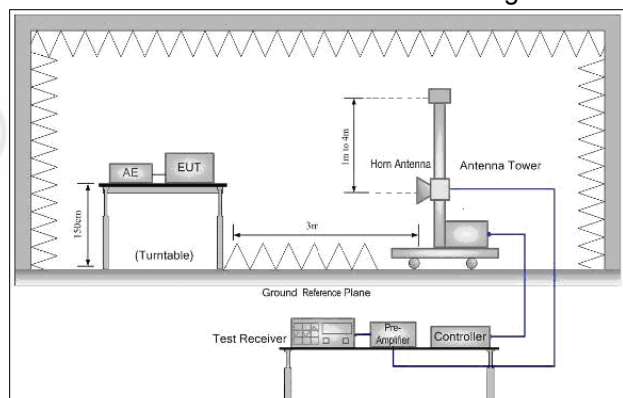
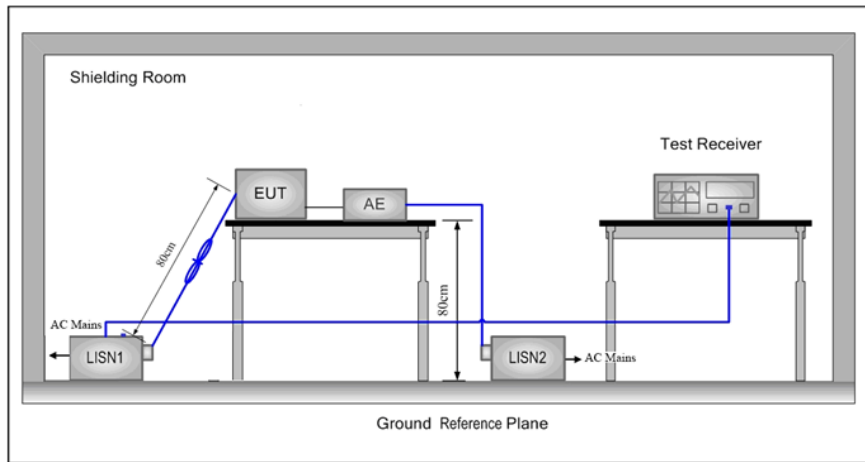


Figure 3. Above 1GHz

**5.1.3 For Conducted Emissions test setup**  
**Conducted Emissions setup**



**5.2 Test Environment**

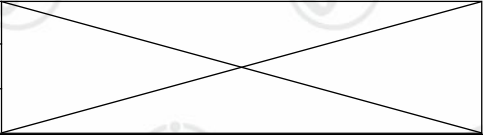
<b>Operating Environment:</b>	
Temperature:	24 °C
Humidity:	55 % RH
Atmospheric Pressure:	1010mbar

**5.3 Test Condition**

Test channel:

Test Mode	Tx	RF Channel		
		Low(L)	Middle(M)	High(H)
802.11b/g/n(HT20)	2412MHz ~2462 MHz	Channel 1	Channel 6	Channel11
		2412MHz	2437MHz	2462MHz
802.11n(HT40)	2422MHz ~2452 MHz	Channel 1	Channel 4	Channel7
		2422MHz	2437MHz	2452MHz
Transmitting mode:	Keep the EUT at Transmit mode			

**Test mode:**
**Pre-scan under all rate at lowest channel for antenna**

<b>Mode</b>	<b>802.11b</b>								
<b>Data Rate</b>	<b>1Mbps</b>	<b>2Mbps</b>	<b>5.5Mbps</b>	<b>11Mbps</b>					
Power(dBm)	9.35	9.40	9.43	9.45					
<b>Mode</b>	<b>802.11g</b>								
<b>Data Rate</b>	<b>6Mbps</b>	<b>9Mbps</b>	<b>12Mbps</b>	<b>18Mbps</b>	<b>24Mbps</b>	<b>36Mbps</b>	<b>48Mbps</b>	<b>54Mbps</b>	
Power(dBm)	9.26	9.25	9.21	9.20	9.17	9.15	9.11	9.04	
<b>Mode</b>	<b>802.11n (HT20)</b>								
<b>Data Rate</b>	<b>6.5Mbps</b>	<b>13Mbps</b>	<b>19.5Mbps</b>	<b>26Mbps</b>	<b>39Mbps</b>	<b>52Mbps</b>	<b>58.5Mbps</b>	<b>65Mbps</b>	
Power(dBm)	8.88	8.85	8.81	8.80	8.74	8.71	8.70	8.66	
<b>Mode</b>	<b>802.11n (HT40)</b>								
<b>Data Rate</b>	<b>13.5Mbps</b>	<b>27Mbps</b>	<b>40.5Mbps</b>	<b>54Mbps</b>	<b>81Mbps</b>	<b>108Mbps</b>	<b>121.5Mbps</b>	<b>135Mbps</b>	
Power(dBm)	8.27	8.25	8.22	8.20	8.20	8.19	8.13	8.11	

Through Pre-scan, 11Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20); 13.5Mbps of rate is the worst case of 802.11n(HT40).

## 6 General Information

### 6.1 Client Information

Applicant:	DAN-CHIEF TECHNOLOGY CO., LTD
Address of Applicant:	4F., NO. 12, LN. 270, SEC. 3, BEI-SHEN RD., SHEN KENG DIST., NEW TAIPEI CITY 22205, TAIWAN
Manufacturer:	NINGBO DAN-CHIEF NETWORK TECHNOLOGIES CO. LTD
Address of Manufacturer:	No.601 Hengshan West Road, Beilun District, Ningbo Zhejiang, China
Factory:	NINGBO DAN-CHIEF NETWORK TECHNOLOGIES CO. LTD
Address of Factory:	No.601 Hengshan West Road, Beilun District, Ningbo Zhejiang, China

### 6.2 General Description of EUT

Product Name:	Wall-Mount AP Router
Model No.(EUT):	WF2A
Trade Mark:	N/A
EUT Supports Radios application:	Wlan 2.4GHz 802.11b/g/n(HT20&HT40)
Power Supply:	DC 44-57V
Sample Received Date:	Nov. 17, 2016
Sample tested Date:	Nov. 17, 2016 to Dec. 05, 2016

### 6.3 Product Specification subjective to this standard

Operation Frequency:	IEEE 802.11b/g/n(HT20): 2412MHz to 2462MHz IEEE 802.11n(HT40): 2422MHz to 2452MHz
Channel Numbers:	IEEE 802.11b/g, IEEE 802.11n HT20: 11 Channels IEEE 802.11n HT40: 7 Channels
Channel Separation:	5MHz
Type of Modulation:	IEEE for 802.11b: DSSS(CCK,DQPSK,DBPSK) IEEE for 802.11g :OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE for 802.11n(HT20 and HT40) : OFDM (64QAM, 16QAM, QPSK,BPSK)
Sample Type:	fixed production
Test Power Grade:	0 (manufacturer declare)
Test Software of EUT:	MT7620 V1.0.6(manufacturer declare )
Antenna Type	Integral
Antenna Gain:	3dBi
Test Voltage:	DC 48V by POE Port

Operation Frequency each of channel(802.11b/g/n HT20)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz		



Operation Frequency each of channel(802.11n HT40)					
Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2422MHz	4	2437MHz	7	2452MHz
2	2427MHz	5	2442MHz		
3	2432MHz	6	2447MHz		

## 6.4 Description of Support Units

The EUT has been tested with associated equipment below.

1) support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
PC	HP	HP 430 G3	DOC	CTI
Router	--	TP-Link	DOC	CTI
adapter	MW	GST160A48	DOC	client
Router	VOLKTEK	HNS-8605P	DOC	client

## 6.5 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd.

Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China 518101

Telephone: +86 (0) 755 3368 3668 Fax:+86 (0) 755 3368 3385

No tests were sub-contracted.

## 6.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

### CNAS-Lab Code: L1910

Centre Testing International Group Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories..

### A2LA-Lab Cert. No. 3061.01

Centre Testing International Group Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

### FCC-Registration No.: 886427

Centre Testing International Group Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Registration 886427.

### IC-Registration No.: 7408A-2

The 3m Alternate Test Site of Centre Testing International Group Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 7408A-2 .

**IC-Registration No.: 7408B-1**

The 10m Alternate Test Site of Centre Testing International Group Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 7408B-1.

**NEMKO-Aut. No.: ELA503**

Centre Testing International Group Co., Ltd. has been assessed the quality assurance system, the testing facilities, qualifications and testing practices of the relevant parts of the organization. The quality assurance system of the Laboratory has been validated against ISO/IEC 17025 or equivalent. The laboratory also fulfils the conditions described in Nemko Document NLA-10.

**VCCI**

The Radiation 3 &10 meters site of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-4096.

Main Ports Conducted Interference Measurement of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: C-4563.

Telecommunication Ports Conducted Disturbance Measurement of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: T-2146.

The Radiation 3 meters site of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-758

## **6.7 Deviation from Standards**

None.

## **6.8 Abnormalities from Standard Conditions**

None.

## **6.9 Other Information Requested by the Customer**

None.

**6.10 Measurement Uncertainty (95% confidence levels, k=2)**

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9 x 10 <sup>-8</sup>
2	RF power, conducted	0.31dB (30MHz-1GHz)
		0.57dB (1GHz-18GHz)
3	Radiated Spurious emission test	4.5dB (30MHz-1GHz)
		4.8dB (1GHz-12.75GHz)
4	Conduction emission	3.6dB (9kHz to 150kHz)
		3.2dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	2.8%
7	DC power voltages	0.025%

## 7 Equipment List

RF test system					
Equipment	Manufacturer	Mode No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Signal Generator	Keysight	E8257D	MY53401106	04-01-2016	03-31-2017
Communication test set test set	Agilent	N4010A	MY51400230	04-01-2016	03-31-2017
Spectrum Analyzer	Keysight	N9010A	MY54510339	04-01-2016	03-31-2017
Signal Generator	Keysight	N5182B	MY53051549	04-01-2016	03-31-2017
High-pass filter	Sinoscite	FL3CX03WG18 NM12-0398-002	---	01-12-2016	01-11-2017
High-pass filter	MICRO-TRONICS	SPA-F-63029-4	---	01-12-2016	01-11-2017
DC Power	Keysight	E3642A	MY54436035	04-01-2016	03-31-2017
PC-1	Lenovo	R4960d	---	04-01-2016	03-31-2017
power meter & power sensor	R&S	OSP120	101374	04-01-2016	03-31-2017
RF control unit	JS Tonscend	JS0806-2	158060006	04-01-2016	03-31-2017
BT&WI-FI Automatic test software	JS Tonscend	JS1120-2	---	04-01-2016	03-31-2017

Conducted disturbance Test					
Equipment	Manufacturer	Mode No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Receiver	R&S	ESCI	100009	06-16-2016	06-15-2017
Temperature/ Humidity Indicator	TAYLOR	1451	1905	04-27-2016	04-26-2017
Communication test set	Agilent	E5515C	GB47050534	04-01-2016	03-31-2017
Communication test set	R&S	CMW500	152394	04-01-2016	03-31-2017
LISN	R&S	ENV216	100098	06-16-2016	06-15-2017
LISN	schwarzbeck	NNLK8121	8121-529	06-16-2016	06-15-2017
Voltage Probe	R&S	ESH2-Z3	--	07-09-2014	07-07-2017
Current Probe	R&S	EZ17	100106	06-16-2016	06-15-2017
ISN	TESEQ GmbH	ISN T800	30297	01-29-2015	01-27-2017

3M Semi/full-anechoic Chamber					
Equipment	Manufacturer	Mode No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
3M Chamber & Accessory Equipment	TDK	SAC-3	---	06-05-2016	06-05-2019
TRILOG Broadband Antenna	SCHWARZBECK	VULB9163	9163-484	05-23-2016	05-22-2017
Microwave Preamplifier	Agilent	8449B	3008A02425	02-04-2016	02-03-2017
Horn Antenna	ETS-LINDGREN	3117	00057410	06-30-2015	06-28-2018
Horn Antenna	A.H.SYSTEMS	SAS-574	374	06-30-2015	06-28-2018
Loop Antenna	ETS	6502	00071730	07-30-2015	07-28-2017
Spectrum Analyzer	R&S	FSP40	100416	06-16-2016	06-15-2017
Receiver	R&S	ESCI	100435	06-16-2016	06-15-2017
Multi device Controller	maturo	NCD/070/1071 1112	---	01-12-2016	01-11-2017
LISN	schwarzbeck	NNBM8125	81251547	06-16-2016	06-15-2017
LISN	schwarzbeck	NNBM8125	81251548	06-16-2016	06-15-2017
Signal Generator	Agilent	E4438C	MY45095744	04-01-2016	03-31-2017
Signal Generator	Keysight	E8257D	MY53401106	04-01-2016	03-31-2017
Temperature/ Humidity Indicator	TAYLOR	1451	1905	04-27-2016	04-26-2017
Communication test set	Agilent	E5515C	GB47050534	04-01-2016	03-31-2017
Cable line	Fulai(7M)	SF106	5219/6A	01-12-2016	01-11-2017
Cable line	Fulai(6M)	SF106	5220/6A	01-12-2016	01-11-2017
Cable line	Fulai(3M)	SF106	5216/6A	01-12-2016	01-11-2017
Cable line	Fulai(3M)	SF106	5217/6A	01-12-2016	01-11-2017
Communication test set	R&S	CMW500	152394	04-01-2016	03-31-2017
High-pass filter	Sinoscite	FL3CX03WG18 NM12-0398-002	---	01-12-2016	01-11-2017
High-pass filter	MICRO-TRONICS	SPA-F-63029-4	---	01-12-2016	01-11-2017
band rejection filter	Sinoscite	FL5CX01CA09 CL12-0395-001	---	01-12-2016	01-11-2017
band rejection filter	Sinoscite	FL5CX01CA08 CL12-0393-001	---	01-12-2016	01-11-2017
band rejection filter	Sinoscite	FL5CX02CA04 CL12-0396-002	---	01-12-2016	01-11-2017
band rejection filter	Sinoscite	FL5CX02CA03 CL12-0394-001	---	01-12-2016	01-11-2017

## 8 Radio Technical Requirements Specification

### Reference documents for testing:

No.	Identity	Document Title
1	FCC Part15C (2015)	Subpart C-Intentional Radiators
2	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices
3	KDB 662911 D01 Multiple Transmitter Output v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band
4	KDB 558074 D01 v03r05	DTS Meas Guidance

### Test Results List:

Test Requirement	Test method	Test item	Verdict	Note
Part15C Section 15.247 (b)(3)	ANSI C63.10/ KDB 558074 KDB 662911	Conducted Peak Output Power	PASS	Appendix A)
Part15C Section 15.247 (a)(2)	ANSI C63.10/ KDB 558074	6dB Occupied Bandwidth	PASS	Appendix B)
Part15C Section 15.247(d)	ANSI C63.10/ KDB 558074 KDB 662911	Band-edge for RF Conducted Emissions	PASS	Appendix C)
Part15C Section 15.247(d)	ANSI C63.10/ KDB 558074 KDB 662911	RF Conducted Spurious Emissions	PASS	Appendix D)
Part15C Section 15.247 (e)	ANSI C63.10/ KDB 558074 KDB 662911	Power Spectral Density	PASS	Appendix E)
Part15C Section 15.203/15.247 (c)	ANSI C63.10	Antenna Requirement	PASS	Appendix F)
Part15C Section 15.207	ANSI C63.10	AC Power Line Conducted Emission	PASS	Appendix G)
Part15C Section 15.205/15.209	ANSI C63.10	Restricted bands around fundamental frequency (Radiated Emission)	PASS	Appendix H)
Part15C Section 15.205/15.209	ANSI C63.10	Radiated Spurious Emissions	PASS	Appendix I)

## Appendix A): Conducted Peak Output Power

### Test Procedure

1. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit continuously.
3. Measure the conducted output power and record the results in the test report.

### Directional Antenna Gain

The TX chains are correlated, the antenna gain is equal among the chains.

Employs an antenna that operates simultaneously on multiple directional beams using the same frequency channels. No carrier aggregation techniques.

The directional gain is:

Antenna 1 Gain (dBi)	Antenna 2 Gain (dBi)	Correlated Chains Directional Gain (dBi)
0	0	3.01

### Result Table

Mode	Antenna	Channel	Conducted Peak Output Power [dBm]	Verdict
11B	Ant1	LCH	9.45	PASS
11B	Ant2	LCH	9.41	PASS
11B	Ant1	MCH	9.99	PASS
11B	Ant2	MCH	9.86	PASS
11B	Ant1	HCH	9.28	PASS
11B	Ant2	HCH	9.53	PASS
11G	Ant1	LCH	9.26	PASS
11G	Ant2	LCH	9.21	PASS
11G	Ant1	MCH	9	PASS
11G	Ant2	MCH	9.2	PASS
11G	Ant1	HCH	9.22	PASS
11G	Ant2	HCH	9.06	PASS
11N20SISO	Ant1	LCH	8.88	PASS
11N20SISO	Ant2	LCH	8.99	PASS
11N20SISO	Ant1	MCH	8.94	PASS
11N20SISO	Ant2	MCH	8.36	PASS
11N20SISO	Ant1	HCH	8.58	PASS
11N20SISO	Ant2	HCH	8.31	PASS
11N20MIMO	Ant1	LCH	7.48	PASS
11N20MIMO	Ant2	LCH	8.31	PASS
11N20MIMO	Ant1+2	LCH	10.92	PASS
11N20MIMO	Ant1	MCH	8	PASS
11N20MIMO	Ant2	MCH	8.24	PASS
11N20MIMO	Ant1+2	MCH	11.13	PASS
11N20MIMO	Ant1	HCH	8.06	PASS
11N20MIMO	Ant2	HCH	7.74	PASS
11N20MIMO	Ant1+2	HCH	10.91	PASS
11N40SISO	Ant1	LCH	8.27	PASS
11N40SISO	Ant2	LCH	8.29	PASS

11N40SISO	Ant1	MCH	8.59	PASS
11N40SISO	Ant2	MCH	8.21	PASS
11N40SISO	Ant1	HCH	8.47	PASS
11N40SISO	Ant2	HCH	8.08	PASS
11N40MIMO	Ant1	LCH	7.61	PASS
11N40MIMO	Ant2	LCH	8.46	PASS
11N40MIMO	Ant1+2	LCH	11.06	PASS
11N40MIMO	Ant1	MCH	8.13	PASS
11N40MIMO	Ant2	MCH	8.48	PASS
11N40MIMO	Ant1+2	MCH	11.31	PASS
11N40MIMO	Ant1	HCH	8.49	PASS
11N40MIMO	Ant2	HCH	8.38	PASS
11N40MIMO	Ant1+2	HCH	11.44	PASS



## Appendix B): 6dB Occupied Bandwidth Result Table

Mode	Antenna	Channel	6dB Bandwidth [MHz]	99% OBW [MHz]	Verdict	Remark
11B	Ant1	LCH	9.558	12.231	PASS	Peak detector
11B	Ant2	LCH	10.08	12.268	PASS	
11B	Ant1	MCH	10.04	12.242	PASS	
11B	Ant2	MCH	10.07	12.397	PASS	
11B	Ant1	HCH	10.07	12.252	PASS	
11B	Ant2	HCH	10.06	12.247	PASS	
11G	Ant1	LCH	16.38	16.493	PASS	
11G	Ant2	LCH	16.35	16.502	PASS	
11G	Ant1	MCH	16.36	16.490	PASS	
11G	Ant2	MCH	16.34	16.578	PASS	
11G	Ant1	HCH	16.35	16.498	PASS	
11G	Ant2	HCH	16.35	16.496	PASS	
11N20SISO	Ant1	LCH	17.29	17.575	PASS	
11N20SISO	Ant2	LCH	17.07	17.583	PASS	
11N20SISO	Ant1	MCH	17.07	17.581	PASS	
11N20SISO	Ant2	MCH	17.27	17.650	PASS	
11N20SISO	Ant1	HCH	17.05	17.582	PASS	
11N20SISO	Ant2	HCH	17.04	17.577	PASS	
11N20MIMO	Ant1	LCH	17.10	17.581	PASS	
11N20MIMO	Ant2	LCH	17.07	17.581	PASS	
11N20MIMO	Ant1	MCH	17.06	17.578	PASS	
11N20MIMO	Ant2	MCH	17.52	17.585	PASS	
11N20MIMO	Ant1	HCH	17.30	17.589	PASS	
11N20MIMO	Ant2	HCH	17.31	17.583	PASS	
11N40SISO	Ant1	LCH	36.02	36.180	PASS	
11N40SISO	Ant2	LCH	36.39	36.207	PASS	
11N40SISO	Ant1	MCH	36.05	36.157	PASS	
11N40SISO	Ant2	MCH	36.29	36.184	PASS	
11N40SISO	Ant1	HCH	36.29	36.150	PASS	
11N40SISO	Ant2	HCH	35.81	36.188	PASS	
11N40MIMO	Ant1	LCH	35.91	36.213	PASS	
11N40MIMO	Ant2	LCH	36.31	36.211	PASS	
11N40MIMO	Ant1	MCH	36.31	36.204	PASS	
11N40MIMO	Ant2	MCH	36.29	36.210	PASS	
11N40MIMO	Ant1	HCH	36.28	36.190	PASS	
11N40MIMO	Ant2	HCH	36.28	36.212	PASS	

**Test Graph**



<p>11B/MCH_Ant2</p>	<p>Keyight Spectrum Analyzer - Occupied BW Center Freq: 2.437000000 GHz Center Freq: 2.437000000 GHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset: 8.62 dB Ref: 28.62 dBm</p> <p>Center: 2.437 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 40 MHz Sweep: 4.267 ms</p> <p>Occupied Bandwidth: 12.397 MHz Total Power: 13.7 dBm Transmit Freq Error: 9.827 kHz OBW Power: 99.00 % x dB Bandwidth: 10.07 MHz x dB: -6.00 dB</p>
<p>11B/HCH_Ant1</p>	<p>Keyight Spectrum Analyzer - Occupied BW Center Freq: 2.462000000 GHz Center Freq: 2.462000000 GHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset: 13.56 dB Ref: 30.00 dBm</p> <p>Center: 2.462 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 40 MHz Sweep: 4.267 ms</p> <p>Occupied Bandwidth: 12.252 MHz Total Power: 13.3 dBm Transmit Freq Error: -8.745 kHz OBW Power: 99.00 % x dB Bandwidth: 10.07 MHz x dB: -6.00 dB</p>
<p>11B/HCH_Ant2</p>	<p>Keyight Spectrum Analyzer - Occupied BW Center Freq: 2.462000000 GHz Center Freq: 2.462000000 GHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset: 14.06 dB Ref: 30.00 dBm</p> <p>Center: 2.462 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 40 MHz Sweep: 4.267 ms</p> <p>Occupied Bandwidth: 12.247 MHz Total Power: 13.4 dBm Transmit Freq Error: -4.225 kHz OBW Power: 99.00 % x dB Bandwidth: 10.06 MHz x dB: -6.00 dB</p>

<p>11G/LCH_Ant1</p>	<p>Center Freq 2.412000000 GHz</p> <p>Ref Offset 8.06 dB Ref 29.06 dBm</p> <p>Center 2.412 GHz #Res BW 100 kHz</p> <p>Occupied Bandwidth <b>16.493 MHz</b></p> <p>Total Power 7.61 dBm</p> <p>Transmit Freq Error 9.579 kHz</p> <p>x dB Bandwidth 16.38 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB -6.00 dB</p>
<p>11G/LCH_Ant2</p>	<p>Center Freq 2.412000000 GHz</p> <p>Ref Offset 8.26 dB Ref 26.26 dBm</p> <p>Center 2.412 GHz #Res BW 100 kHz</p> <p>Occupied Bandwidth <b>16.502 MHz</b></p> <p>Total Power 7.59 dBm</p> <p>Transmit Freq Error -10.115 kHz</p> <p>x dB Bandwidth 16.35 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB -6.00 dB</p>
<p>11G/MCH_Ant1</p>	<p>Center Freq 2.437000000 GHz</p> <p>Ref Offset 8.02 dB Ref 28.02 dBm</p> <p>Center 2.437 GHz #Res BW 100 kHz</p> <p>Occupied Bandwidth <b>16.490 MHz</b></p> <p>Total Power 7.38 dBm</p> <p>Transmit Freq Error 15.631 kHz</p> <p>x dB Bandwidth 16.36 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB -6.00 dB</p>

<p>11G/MCH_Ant2</p>	<p>Keyight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.437000000 GHz</p> <p>Ref Offset 3.02 dB Ref 23.02 dBm</p> <p>Center 2.437 GHz #Res BW 100 kHz</p> <p>Occupied Bandwidth <b>16.578 MHz</b></p> <p>Total Power 7.66 dBm</p> <p>Transmit Freq Error -6.772 kHz</p> <p>x dB Bandwidth 16.34 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB -6.00 dB</p>
<p>11G/HCH_Ant1</p>	<p>Keyight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.462000000 GHz</p> <p>Ref Offset 8.06 dB Ref 28.06 dBm</p> <p>Center 2.462 GHz #Res BW 100 kHz</p> <p>Occupied Bandwidth <b>16.498 MHz</b></p> <p>Total Power 7.59 dBm</p> <p>Transmit Freq Error -6.841 kHz</p> <p>x dB Bandwidth 16.35 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB -6.00 dB</p>
<p>11G/HCH_Ant2</p>	<p>Keyight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.462000000 GHz</p> <p>Ref Offset 8.26 dB Ref 28.26 dBm</p> <p>Center 2.462 GHz #Res BW 100 kHz</p> <p>Occupied Bandwidth <b>16.496 MHz</b></p> <p>Total Power 7.37 dBm</p> <p>Transmit Freq Error -6.537 kHz</p> <p>x dB Bandwidth 16.35 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB -6.00 dB</p>

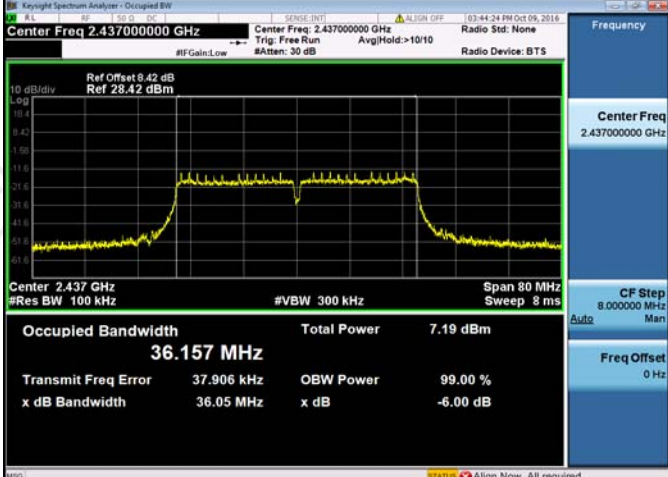
<p>11N20SISO/LCH_Ant1</p>	<p>KeySight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.412000000 GHz Center Freq: 2.412000000 GHz Radio Std: None</p> <p>Ref Offset 9.16 dB Ref 29.16 dBm</p> <p>Center 2.412 GHz Span 40 MHz</p> <p>Occupied Bandwidth 17.575 MHz Total Power 7.38 dBm</p> <p>Transmit Freq Error 16.035 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 17.29 MHz x dB -6.00 dB</p>
<p>11N20SISO/LCH_Ant2</p>	<p>KeySight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.412000000 GHz Center Freq: 2.412000000 GHz Radio Std: None</p> <p>Ref Offset 6.96 dB Ref 26.96 dBm</p> <p>Center 2.412 GHz Span 40 MHz</p> <p>Occupied Bandwidth 17.583 MHz Total Power 7.54 dBm</p> <p>Transmit Freq Error 7.179 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 17.07 MHz x dB -6.00 dB</p>
<p>11N20SISO/MCH_Ant1</p>	<p>KeySight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.437000000 GHz Center Freq: 2.437000000 GHz Radio Std: None</p> <p>Ref Offset 8.52 dB Ref 28.52 dBm</p> <p>Center 2.437 GHz Span 40 MHz</p> <p>Occupied Bandwidth 17.581 MHz Total Power 7.49 dBm</p> <p>Transmit Freq Error 23.037 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 17.07 MHz x dB -6.00 dB</p>

<p>11N20SISO/MCH_Ant2</p>	<p>Keyight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.437000000 GHz    Center Freq: 2.437000000 GHz    Radio Std: None</p> <p>Ref Offset: 3.02 dB    Ref 23.02 dBm</p> <p>Center 2.437 GHz    #VBW 300 kHz    Span 40 MHz</p> <p>#Res BW 100 kHz    Sweep 4.267 ms</p> <p><b>Occupied Bandwidth 17.650 MHz</b>    Total Power 7.07 dBm</p> <p>Transmit Freq Error 10.390 kHz    OBW Power 99.00 %</p> <p>x dB Bandwidth 17.27 MHz    x dB -6.00 dB</p>
<p>11N20SISO/HCH_Ant1</p>	<p>Keyight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.462000000 GHz    Center Freq: 2.462000000 GHz    Radio Std: None</p> <p>Ref Offset: 8.06 dB    Ref 28.06 dBm</p> <p>Center 2.462 GHz    #VBW 300 kHz    Span 40 MHz</p> <p>#Res BW 100 kHz    Sweep 4.267 ms</p> <p><b>Occupied Bandwidth 17.582 MHz</b>    Total Power 7.10 dBm</p> <p>Transmit Freq Error 6.428 kHz    OBW Power 99.00 %</p> <p>x dB Bandwidth 17.05 MHz    x dB -6.00 dB</p>
<p>11N20SISO/HCH_Ant2</p>	<p>Keyight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.462000000 GHz    Center Freq: 2.462000000 GHz    Radio Std: None</p> <p>Ref Offset: 8.06 dB    Ref 28.06 dBm</p> <p>Center 2.462 GHz    #VBW 300 kHz    Span 40 MHz</p> <p>#Res BW 100 kHz    Sweep 4.267 ms</p> <p><b>Occupied Bandwidth 17.577 MHz</b>    Total Power 6.87 dBm</p> <p>Transmit Freq Error 1.613 kHz    OBW Power 99.00 %</p> <p>x dB Bandwidth 17.04 MHz    x dB -6.00 dB</p>

<p>11N20MIMO/LCH_Ant1</p>	<p>KeySight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.412000000 GHz Center Freq: 2.412000000 GHz Radio Std: None</p> <p>Ref Offset: 8.36 dB Ref 28.36 dBm</p> <p>Center 2.412 GHz Span 40 MHz</p> <p>Occupied Bandwidth 17.581 MHz Total Power 5.97 dBm</p> <p>Transmit Freq Error 24.138 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 17.10 MHz x dB -6.00 dB</p>
<p>11N20MIMO/LCH_Ant2</p>	<p>KeySight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.412000000 GHz Center Freq: 2.412000000 GHz Radio Std: None</p> <p>Ref Offset: 8.36 dB Ref 28.36 dBm</p> <p>Center 2.412 GHz Span 40 MHz</p> <p>Occupied Bandwidth 17.581 MHz Total Power 6.84 dBm</p> <p>Transmit Freq Error 20.563 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 17.07 MHz x dB -6.00 dB</p>
<p>11N20MIMO/MCH_Ant1</p>	<p>KeySight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.437000000 GHz Center Freq: 2.437000000 GHz Radio Std: None</p> <p>Ref Offset: 8.32 dB Ref 28.32 dBm</p> <p>Center 2.437 GHz Span 40 MHz</p> <p>Occupied Bandwidth 17.578 MHz Total Power 6.62 dBm</p> <p>Transmit Freq Error 30.848 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 17.06 MHz x dB -6.00 dB</p>

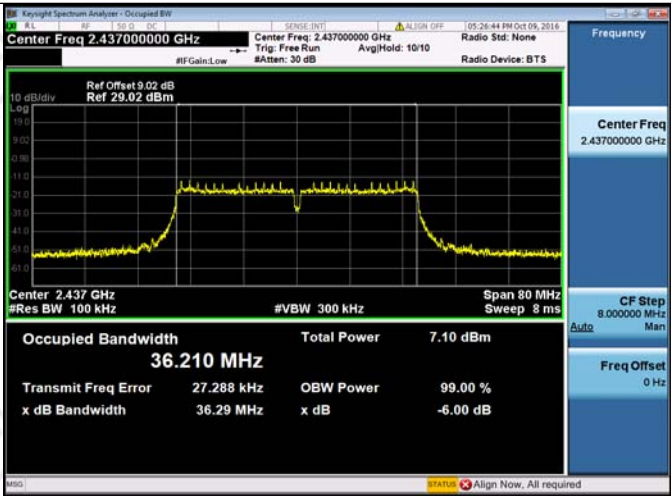
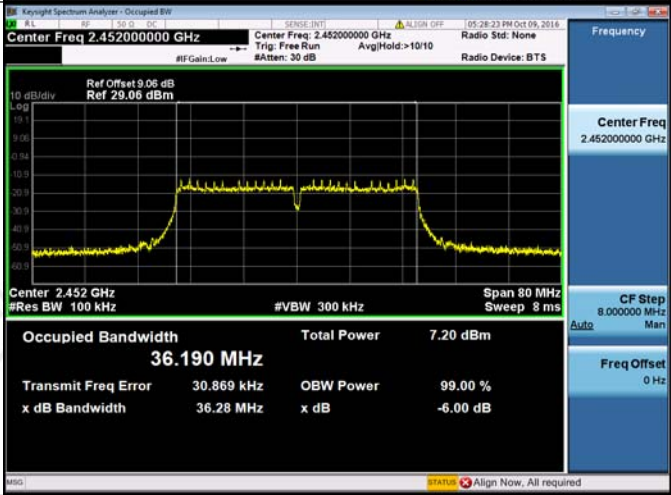
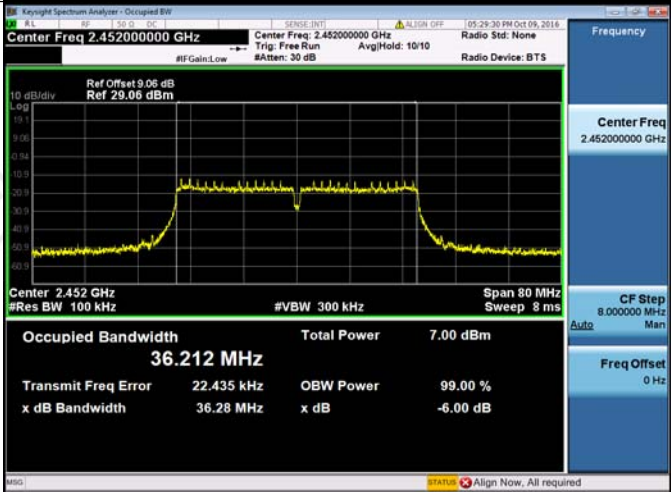


<p>11N20MIMO/MCH_Ant2</p>	<p>KeySight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.437000000 GHz</p> <p>Ref Offset 8.32 dB Ref 28.32 dBm</p> <p>Center 2.437 GHz #Res BW 100 kHz</p> <p>Occupied Bandwidth <b>17.585 MHz</b></p> <p>Total Power 6.73 dBm</p> <p>Transmit Freq Error 25.173 kHz</p> <p>x dB Bandwidth 17.52 MHz</p>
<p>11N20MIMO/HCH_Ant1</p>	<p>KeySight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.462000000 GHz</p> <p>Ref Offset 8.36 dB Ref 28.36 dBm</p> <p>Center 2.462 GHz #Res BW 100 kHz</p> <p>Occupied Bandwidth <b>17.589 MHz</b></p> <p>Total Power 6.61 dBm</p> <p>Transmit Freq Error 17.437 kHz</p> <p>x dB Bandwidth 17.30 MHz</p>
<p>11N20MIMO/HCH_Ant2</p>	<p>KeySight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.462000000 GHz</p> <p>Ref Offset 8.36 dB Ref 28.36 dBm</p> <p>Center 2.462 GHz #Res BW 100 kHz</p> <p>Occupied Bandwidth <b>17.583 MHz</b></p> <p>Total Power 6.27 dBm</p> <p>Transmit Freq Error 23.873 kHz</p> <p>x dB Bandwidth 17.31 MHz</p>

<p>11N40SISO/LCH_Ant1</p>	 <p>Keyight Spectrum Analyzer - Occupied BW Center Freq 2.42200000 GHz Center Freq: 2.422000000 GHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 8.5 dB Ref 28.80 dBm</p> <p>Center 2.422 GHz #Res BW 100 kHz #VBW 300 kHz Span 80 MHz Sweep 8 ms</p> <p>Occupied Bandwidth <b>36.180 MHz</b> Total Power 6.87 dBm Transmit Freq Error 45.414 kHz OBW Power 99.00 % x dB Bandwidth 36.02 MHz x dB -6.00 dB</p> <p>Frequency Center Freq 2.422000000 GHz CF Step 8.000000 MHz Freq Offset 0 Hz</p>
<p>11N40SISO/LCH_Ant2</p>	 <p>Keyight Spectrum Analyzer - Occupied BW Center Freq 2.42200000 GHz Center Freq: 2.422000000 GHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11.7 dB Ref 30.00 dBm</p> <p>Center 2.422 GHz #Res BW 100 kHz #VBW 300 kHz Span 80 MHz Sweep 8 ms</p> <p>Occupied Bandwidth <b>36.207 MHz</b> Total Power 7.18 dBm Transmit Freq Error 10.453 kHz OBW Power 99.00 % x dB Bandwidth 36.39 MHz x dB -6.00 dB</p> <p>Frequency Center Freq 2.422000000 GHz CF Step 8.000000 MHz Freq Offset 0 Hz</p>
<p>11N40SISO/MCH_Ant1</p>	 <p>Keyight Spectrum Analyzer - Occupied BW Center Freq 2.43700000 GHz Center Freq: 2.437000000 GHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 8.42 dB Ref 28.42 dBm</p> <p>Center 2.437 GHz #Res BW 100 kHz #VBW 300 kHz Span 80 MHz Sweep 8 ms</p> <p>Occupied Bandwidth <b>36.157 MHz</b> Total Power 7.19 dBm Transmit Freq Error 37.906 kHz OBW Power 99.00 % x dB Bandwidth 36.05 MHz x dB -6.00 dB</p> <p>Frequency Center Freq 2.437000000 GHz CF Step 8.000000 MHz Freq Offset 0 Hz</p>

<p>11N40SISO/MCH_Ant2</p>	<p>Keyight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.437000000 GHz</p> <p>Ref Offset 7.72 dB Ref 27.72 dBm</p> <p>Center 2.437 GHz #Res BW 100 kHz</p> <p>Occupied Bandwidth <b>36.184 MHz</b></p> <p>Total Power 6.84 dBm</p> <p>Transmit Freq Error 860 Hz</p> <p>x dB Bandwidth 36.29 MHz</p>
<p>11N40SISO/HCH_Ant1</p>	<p>Keyight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.452000000 GHz</p> <p>Ref Offset 8.16 dB Ref 28.16 dBm</p> <p>Center 2.452 GHz #Res BW 100 kHz</p> <p>Occupied Bandwidth <b>36.150 MHz</b></p> <p>Total Power 7.10 dBm</p> <p>Transmit Freq Error 13.847 kHz</p> <p>x dB Bandwidth 36.29 MHz</p>
<p>11N40SISO/HCH_Ant2</p>	<p>Keyight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.452000000 GHz</p> <p>Ref Offset 7.76 dB Ref 27.76 dBm</p> <p>Center 2.452 GHz #Res BW 100 kHz</p> <p>Occupied Bandwidth <b>36.188 MHz</b></p> <p>Total Power 6.66 dBm</p> <p>Transmit Freq Error -6.743 kHz</p> <p>x dB Bandwidth 35.81 MHz</p>

<p>11N40MIMO/LCH_Ant1</p>	<p>KeySight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.42200000 GHz</p> <p>Ref Offset 8.9 dB Ref 28.90 dBm</p> <p>Center 2.422 GHz #Res BW 100 kHz</p> <p>Occupied Bandwidth <b>36.213 MHz</b></p> <p>Total Power 6.17 dBm</p> <p>Transmit Freq Error 54.701 kHz</p> <p>x dB Bandwidth 35.91 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB -6.00 dB</p>
<p>11N40MIMO/LCH_Ant2</p>	<p>KeySight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.42200000 GHz</p> <p>Ref Offset 8.9 dB Ref 28.90 dBm</p> <p>Center 2.422 GHz #Res BW 100 kHz</p> <p>Occupied Bandwidth <b>36.211 MHz</b></p> <p>Total Power 7.00 dBm</p> <p>Transmit Freq Error 36.246 kHz</p> <p>x dB Bandwidth 36.31 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB -6.00 dB</p>
<p>11N40MIMO/MCH_Ant1</p>	<p>KeySight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.43700000 GHz</p> <p>Ref Offset 9.02 dB Ref 29.02 dBm</p> <p>Center 2.437 GHz #Res BW 100 kHz</p> <p>Occupied Bandwidth <b>36.204 MHz</b></p> <p>Total Power 6.67 dBm</p> <p>Transmit Freq Error 55.700 kHz</p> <p>x dB Bandwidth 36.31 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB -6.00 dB</p>

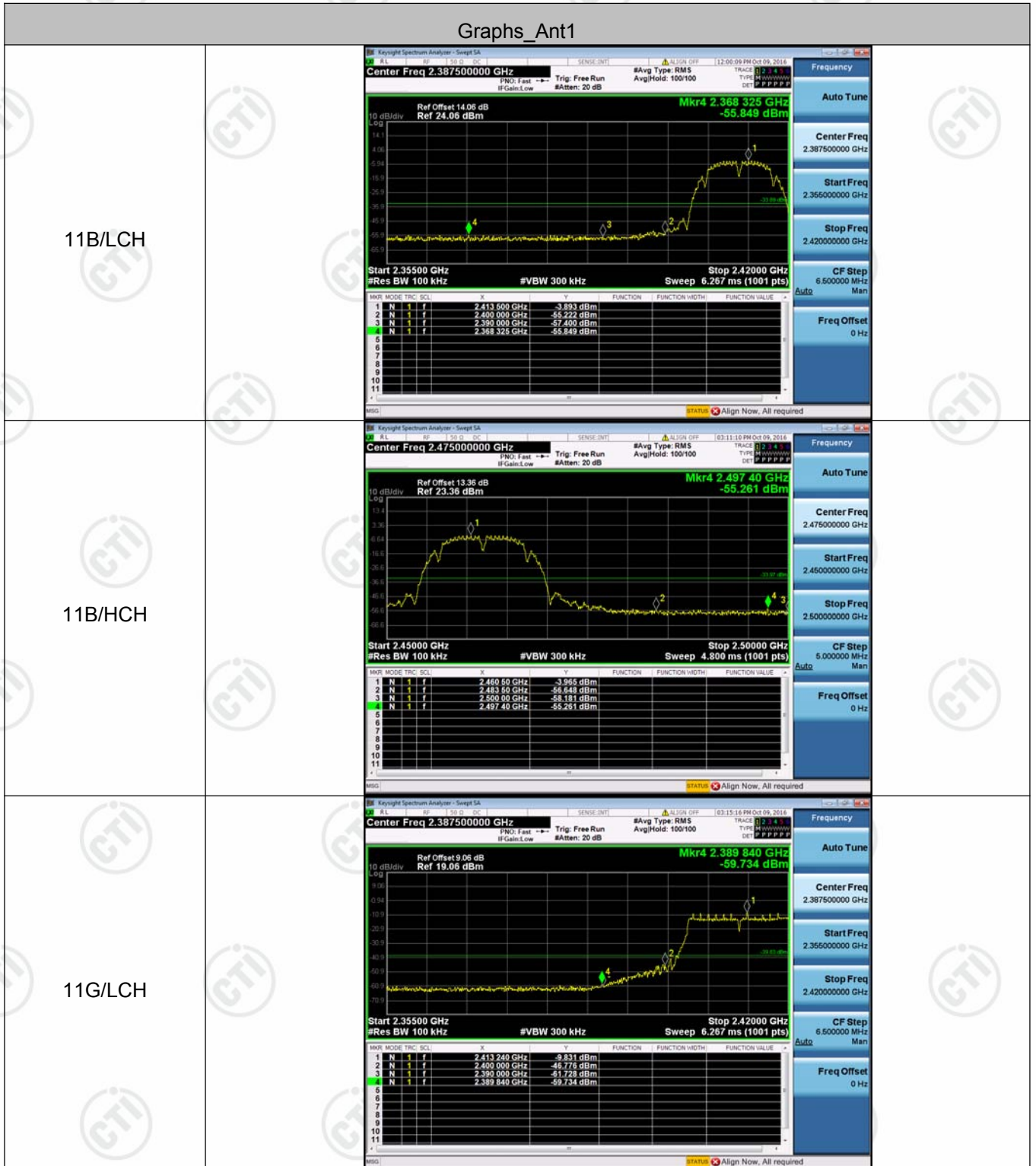
<p>11N40MIMO/MCH_Ant2</p>	 <p>KeySight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.437000000 GHz</p> <p>Ref Offset 9.02 dB Ref 29.02 dBm</p> <p>Center 2.437 GHz #Res BW 100 kHz</p> <p>Span 80 MHz Sweep 8 ms</p> <p>Occupied Bandwidth <b>36.210 MHz</b></p> <p>Total Power 7.10 dBm</p> <p>Transmit Freq Error 27.288 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 36.29 MHz</p> <p>x dB -6.00 dB</p>
<p>11N40MIMO/HCH_Ant1</p>	 <p>KeySight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.452000000 GHz</p> <p>Ref Offset 9.06 dB Ref 29.06 dBm</p> <p>Center 2.452 GHz #Res BW 100 kHz</p> <p>Span 80 MHz Sweep 8 ms</p> <p>Occupied Bandwidth <b>36.190 MHz</b></p> <p>Total Power 7.20 dBm</p> <p>Transmit Freq Error 30.869 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 36.28 MHz</p> <p>x dB -6.00 dB</p>
<p>11N40MIMO/HCH_Ant2</p>	 <p>KeySight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.452000000 GHz</p> <p>Ref Offset 9.06 dB Ref 29.06 dBm</p> <p>Center 2.452 GHz #Res BW 100 kHz</p> <p>Span 80 MHz Sweep 8 ms</p> <p>Occupied Bandwidth <b>36.212 MHz</b></p> <p>Total Power 7.00 dBm</p> <p>Transmit Freq Error 22.435 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 36.28 MHz</p> <p>x dB -6.00 dB</p>

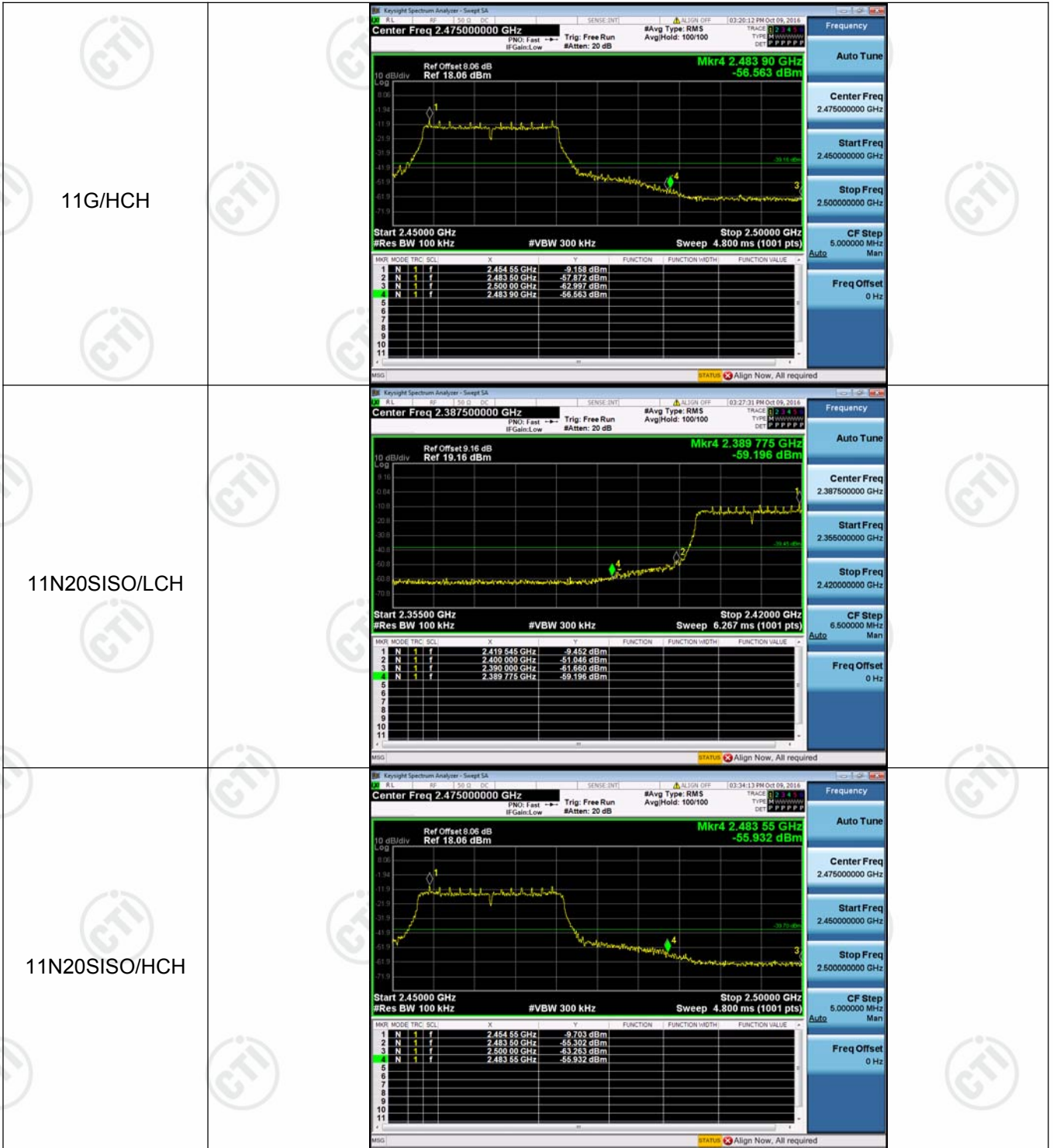
## Appendix C): Band-edge for RF Conducted Emissions

### Result Table

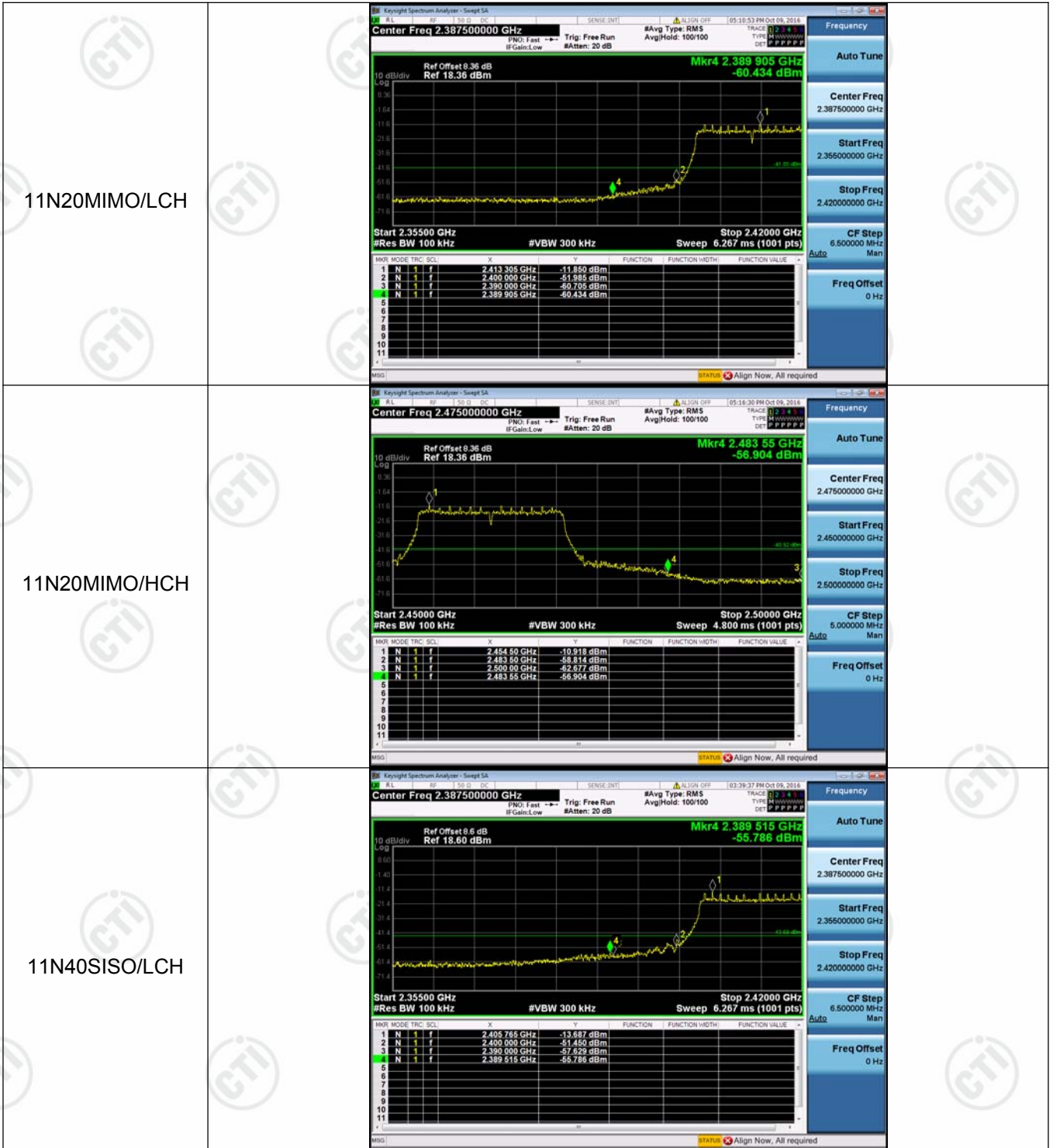
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11B	Ant1	LCH	-3.893	-55.849	-33.89	PASS
11B	Ant2	LCH	-3.817	-58.098	-33.82	PASS
11B	Ant1	HCH	-3.965	-55.261	-33.97	PASS
11B	Ant2	HCH	-3.673	-54.910	-33.67	PASS
11G	Ant1	LCH	-9.831	-59.734	-39.83	PASS
11G	Ant2	LCH	-9.692	-57.458	-39.69	PASS
11G	Ant1	HCH	-9.158	-56.563	-39.16	PASS
11G	Ant2	HCH	-9.325	-58.248	-39.33	PASS
11N20SISO	Ant1	LCH	-9.452	-59.196	-39.45	PASS
11N20SISO	Ant2	LCH	-9.434	-55.825	-39.43	PASS
11N20SISO	Ant1	HCH	-9.703	-55.932	-39.7	PASS
11N20SISO	Ant2	HCH	-10.084	-56.189	-40.08	PASS
11N20MIMO	Ant1	LCH	-11.850	-60.434	-41.85	PASS
11N20MIMO	Ant2	LCH	-10.167	-58.917	-40.17	PASS
11N20MIMO	Ant1	HCH	-10.918	-56.904	-40.92	PASS
11N20MIMO	Ant2	HCH	-10.503	-58.281	-40.5	PASS
11N40SISO	Ant1	LCH	-13.687	-55.786	-43.69	PASS
11N40SISO	Ant2	LCH	-13.455	-56.737	-43.46	PASS
11N40SISO	Ant1	HCH	-13.475	-51.213	-43.48	PASS
11N40SISO	Ant2	HCH	-14.207	-52.896	-44.21	PASS
11N40MIMO	Ant1	LCH	-14.035	-56.662	-44.04	PASS
11N40MIMO	Ant2	LCH	-12.965	-53.057	-42.97	PASS
11N40MIMO	Ant1	HCH	-13.629	-52.657	-43.63	PASS
11N40MIMO	Ant2	HCH	-13.587	-52.482	-43.59	PASS

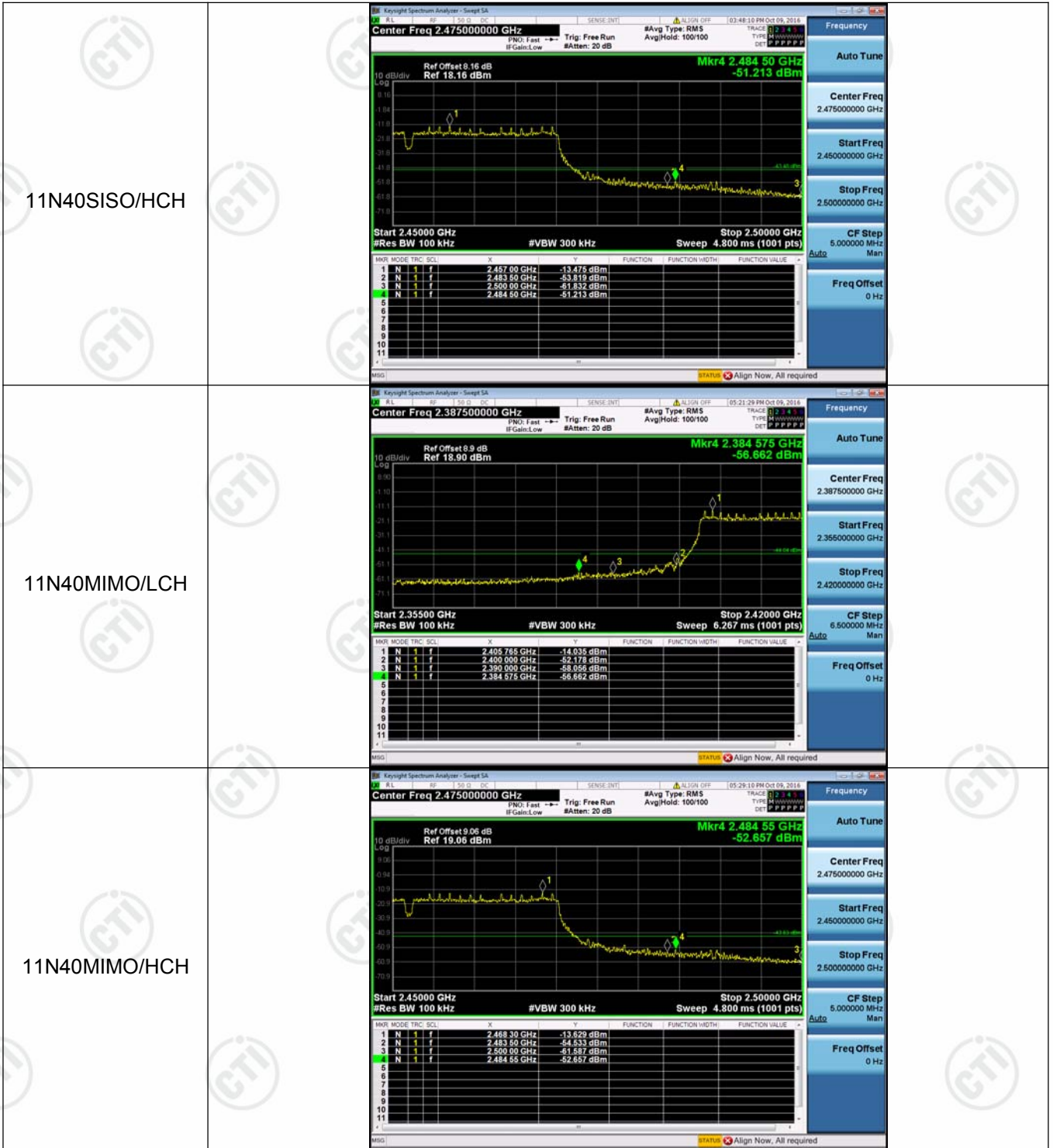
**Test Graph**

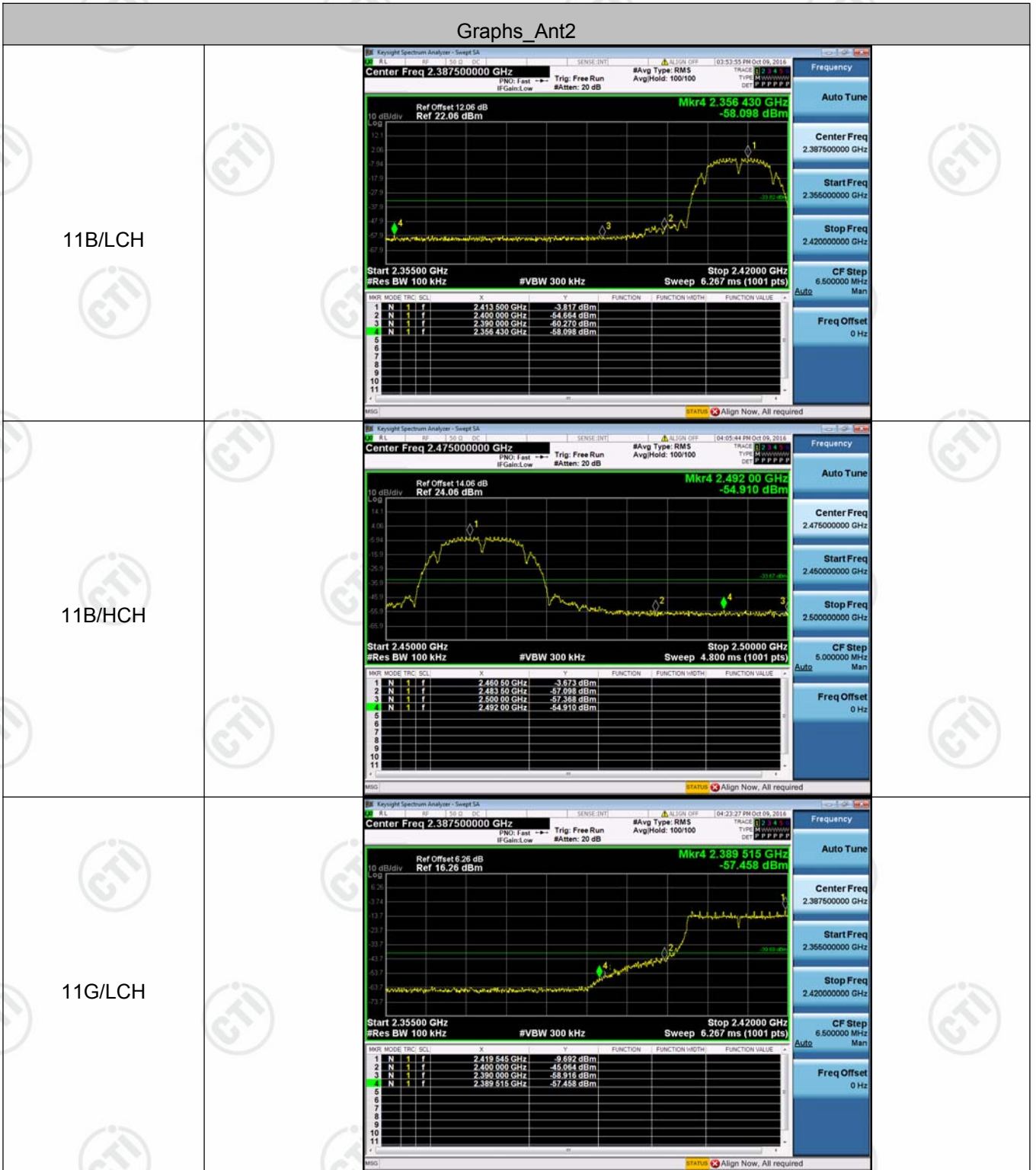


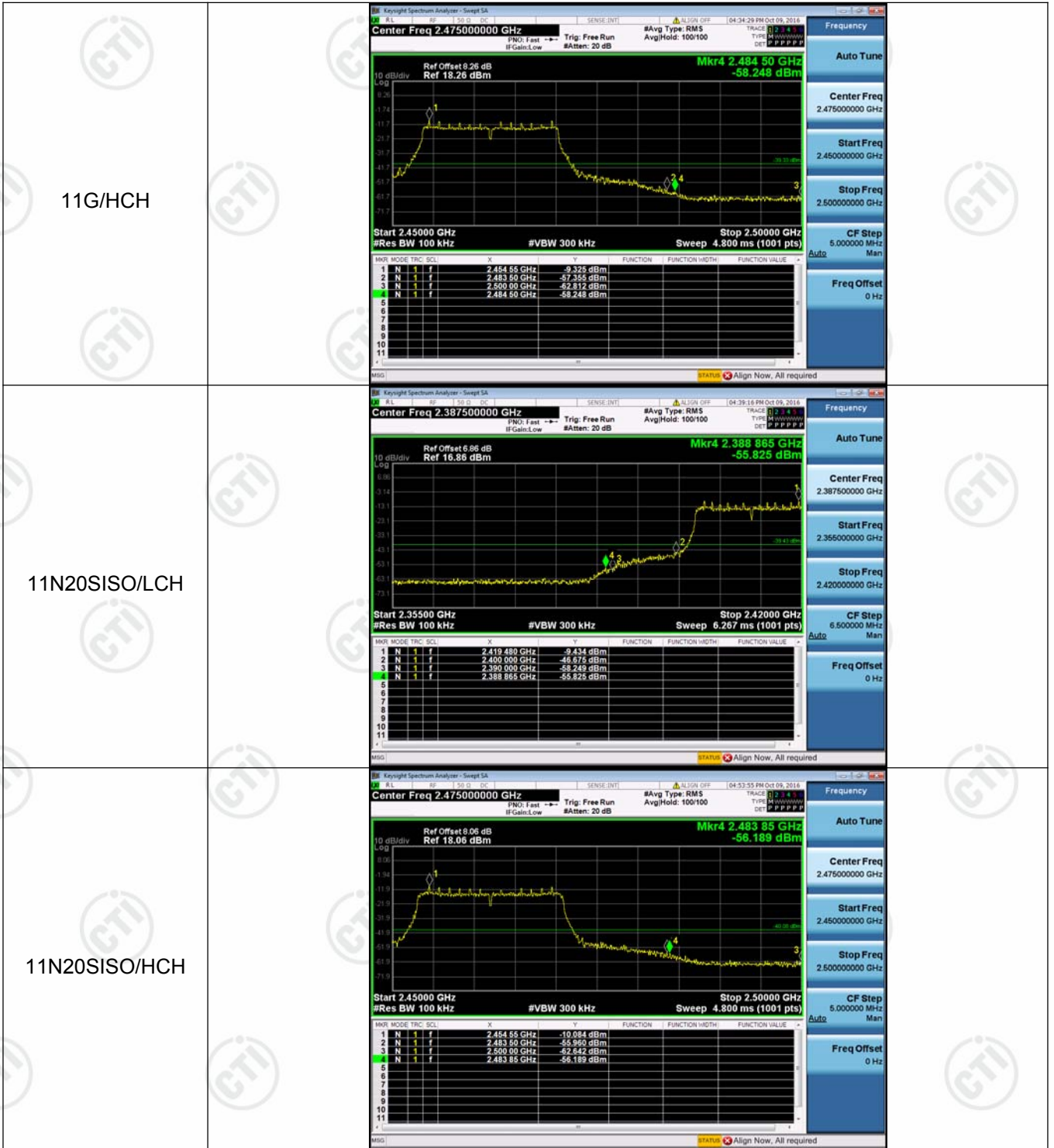


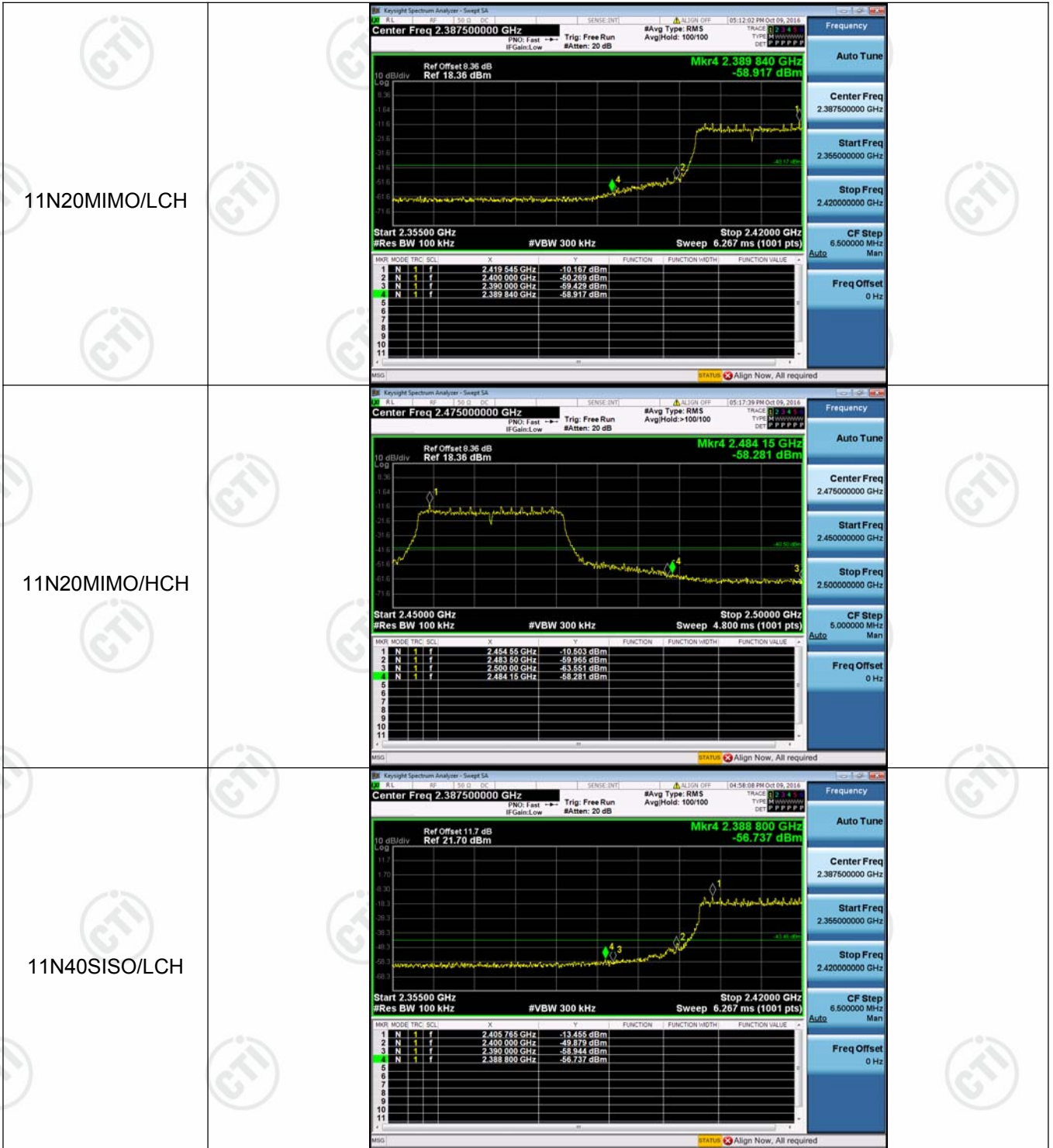


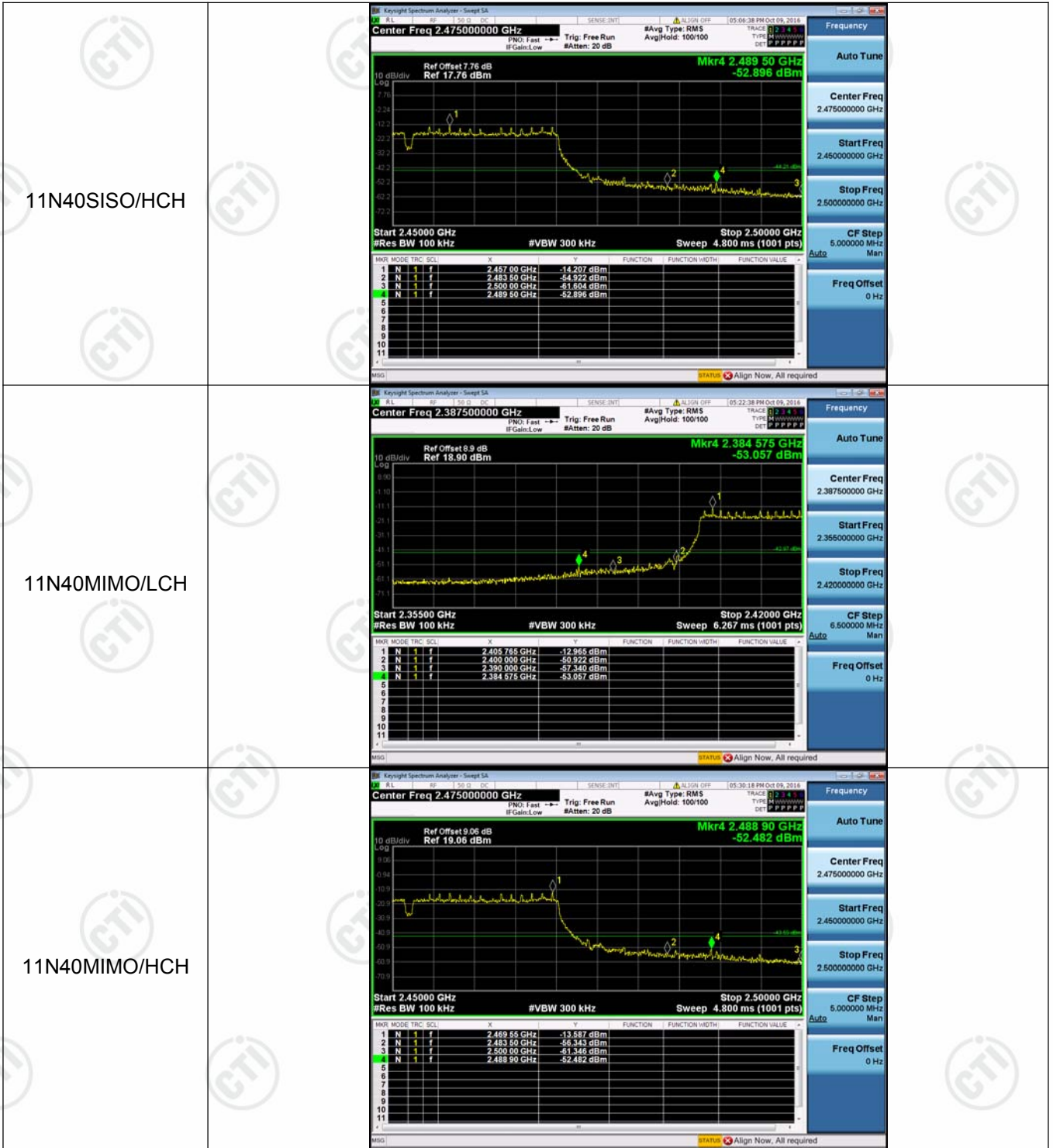












## Appendix D): RF Conducted Spurious Emissions

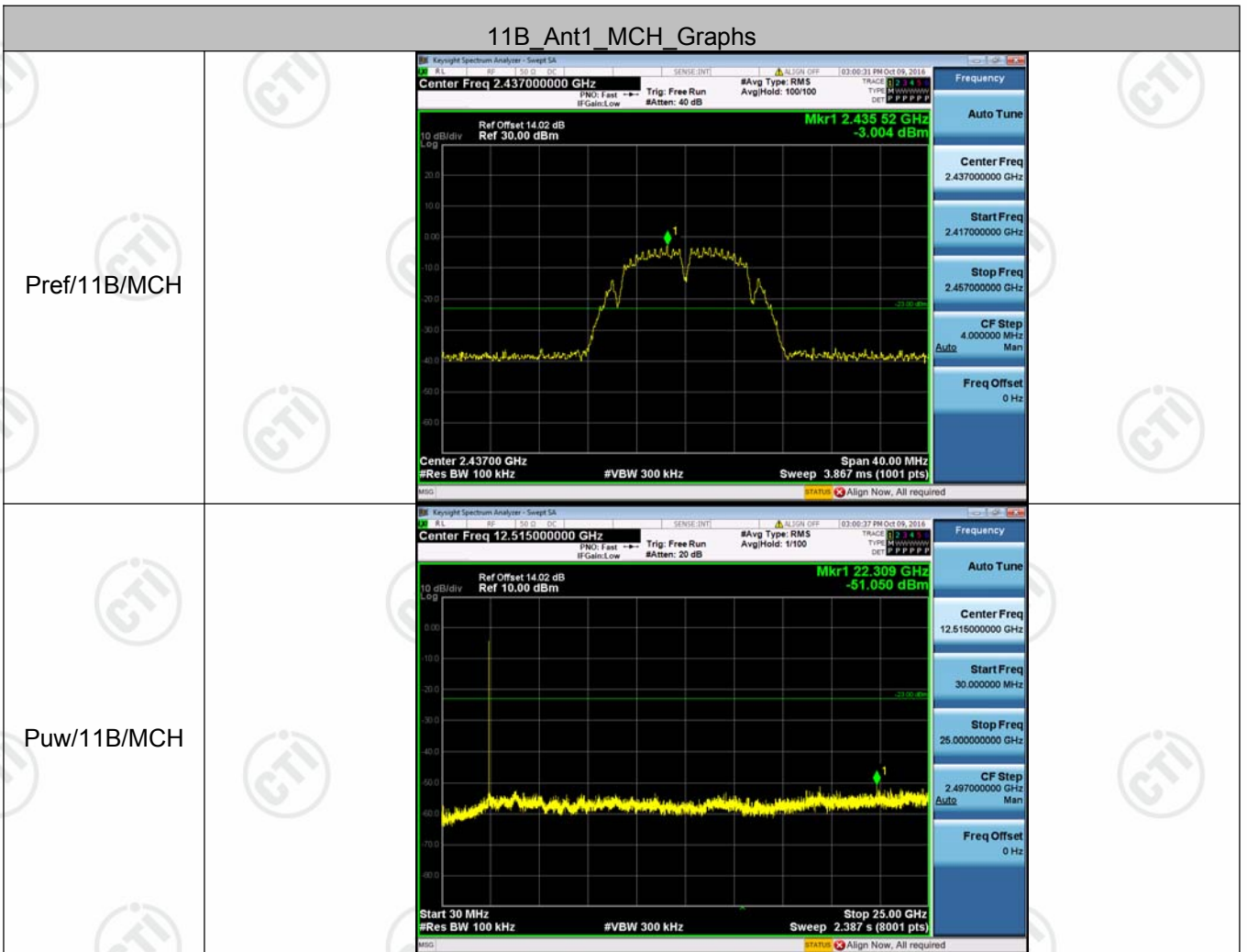
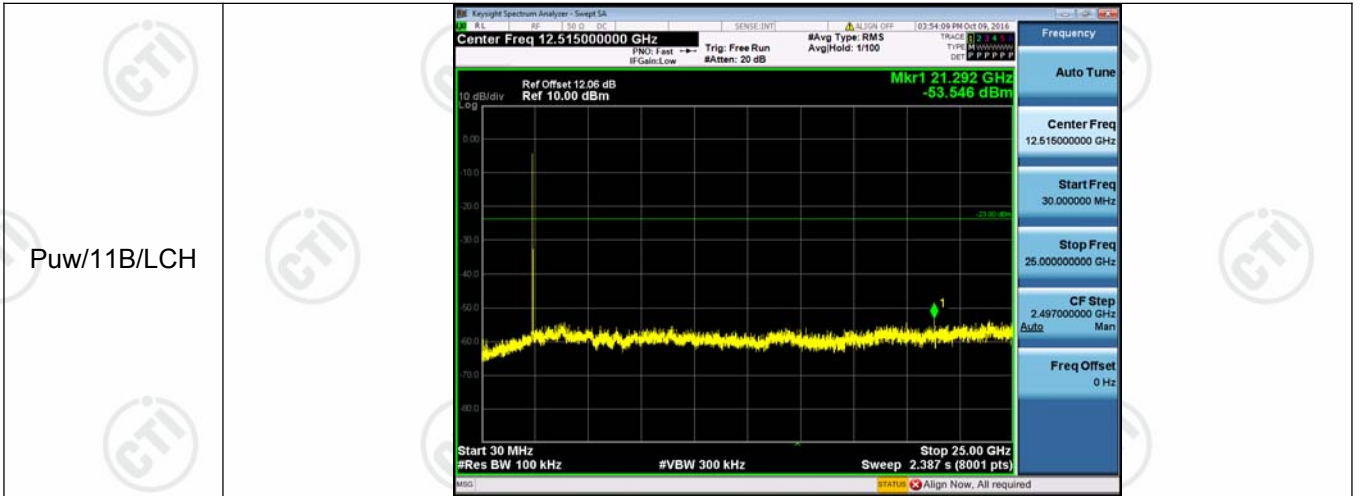
**Result Table**

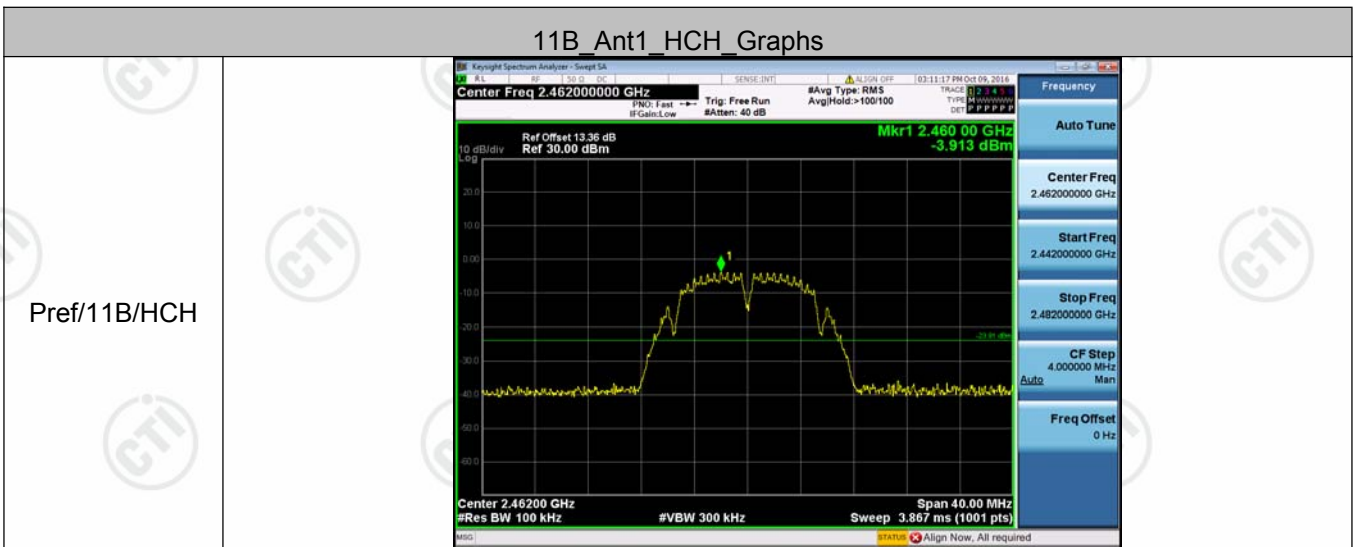
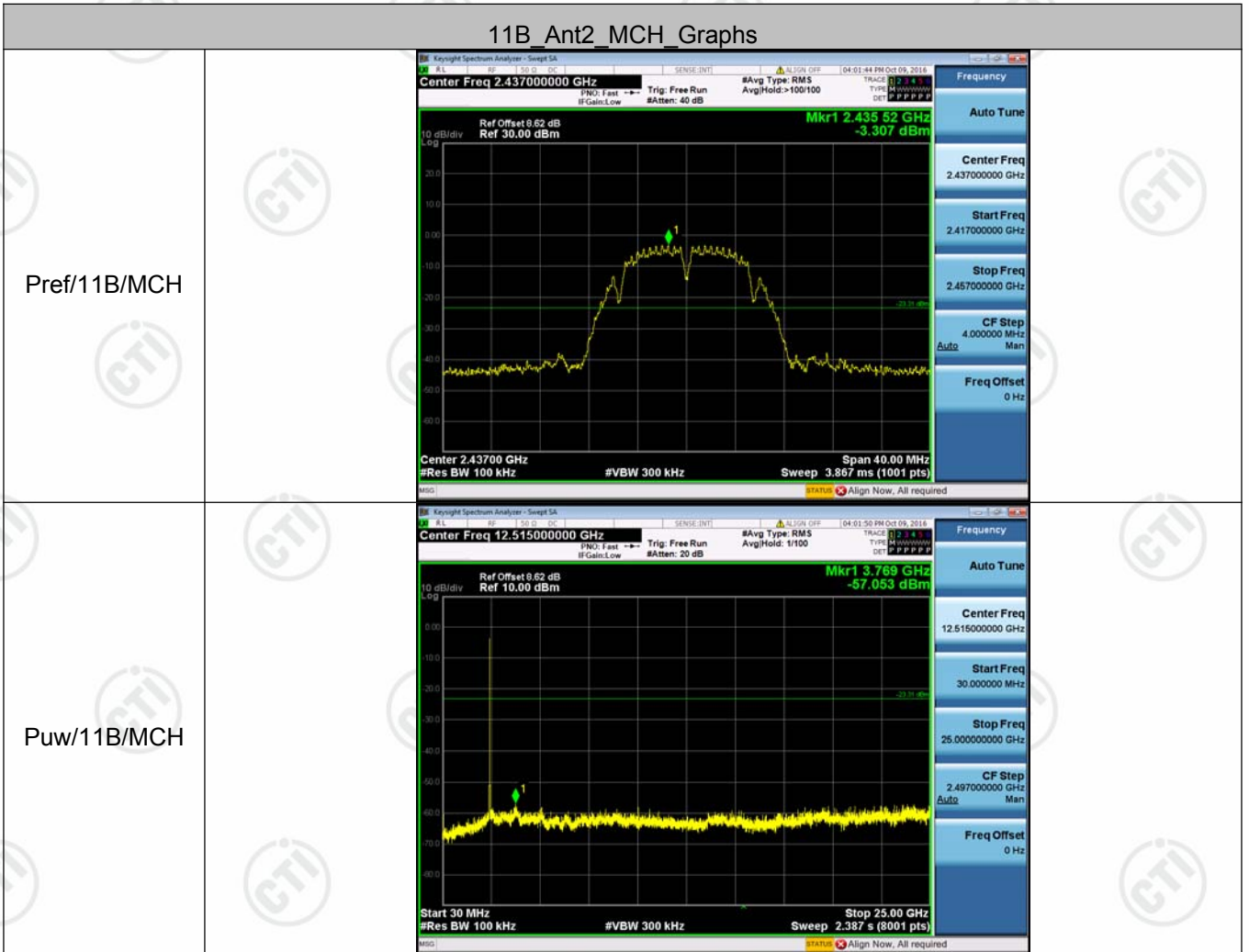
Mode	Antenna	Channel	Pref [dBm]	Puw[dBm]	Verdict
11B	Ant1	LCH	-3.863	<Limit	PASS
11B	Ant2	LCH	-3.797	<Limit	PASS
11B	Ant1	MCH	-3.004	<Limit	PASS
11B	Ant2	MCH	-3.307	<Limit	PASS
11B	Ant1	HCH	-3.913	<Limit	PASS
11B	Ant2	HCH	-3.626	<Limit	PASS
11G	Ant1	LCH	-9.067	<Limit	PASS
11G	Ant2	LCH	-9.391	<Limit	PASS
11G	Ant1	MCH	-9.206	<Limit	PASS
11G	Ant2	MCH	-9.239	<Limit	PASS
11G	Ant1	HCH	-9.09	<Limit	PASS
11G	Ant2	HCH	-9.758	<Limit	PASS
11N20SISO	Ant1	LCH	-9.65	<Limit	PASS
11N20SISO	Ant2	LCH	-9.681	<Limit	PASS
11N20SISO	Ant1	MCH	-9.888	<Limit	PASS
11N20SISO	Ant2	MCH	-9.954	<Limit	PASS
11N20SISO	Ant1	HCH	-10.106	<Limit	PASS
11N20SISO	Ant2	HCH	-9.92	<Limit	PASS
11N20MIMO	Ant1	LCH	-11.197	<Limit	PASS
11N20MIMO	Ant2	LCH	-10.242	<Limit	PASS
11N20MIMO	Ant1	MCH	-10.614	<Limit	PASS
11N20MIMO	Ant2	MCH	-10.209	<Limit	PASS
11N20MIMO	Ant1	HCH	-10.379	<Limit	PASS
11N20MIMO	Ant2	HCH	-10.883	<Limit	PASS
11N40SISO	Ant1	LCH	-13.113	<Limit	PASS
11N40SISO	Ant2	LCH	-13.239	<Limit	PASS
11N40SISO	Ant1	MCH	-12.929	<Limit	PASS
11N40SISO	Ant2	MCH	-13.571	<Limit	PASS
11N40SISO	Ant1	HCH	-13.469	<Limit	PASS
11N40SISO	Ant2	HCH	-13.23	<Limit	PASS
11N40MIMO	Ant1	LCH	-13.599	<Limit	PASS
11N40MIMO	Ant2	LCH	-13.25	<Limit	PASS
11N40MIMO	Ant1	MCH	-13.298	<Limit	PASS
11N40MIMO	Ant2	MCH	-12.914	<Limit	PASS
11N40MIMO	Ant1	HCH	-13.379	<Limit	PASS
11N40MIMO	Ant2	HCH	-12.626	<Limit	PASS

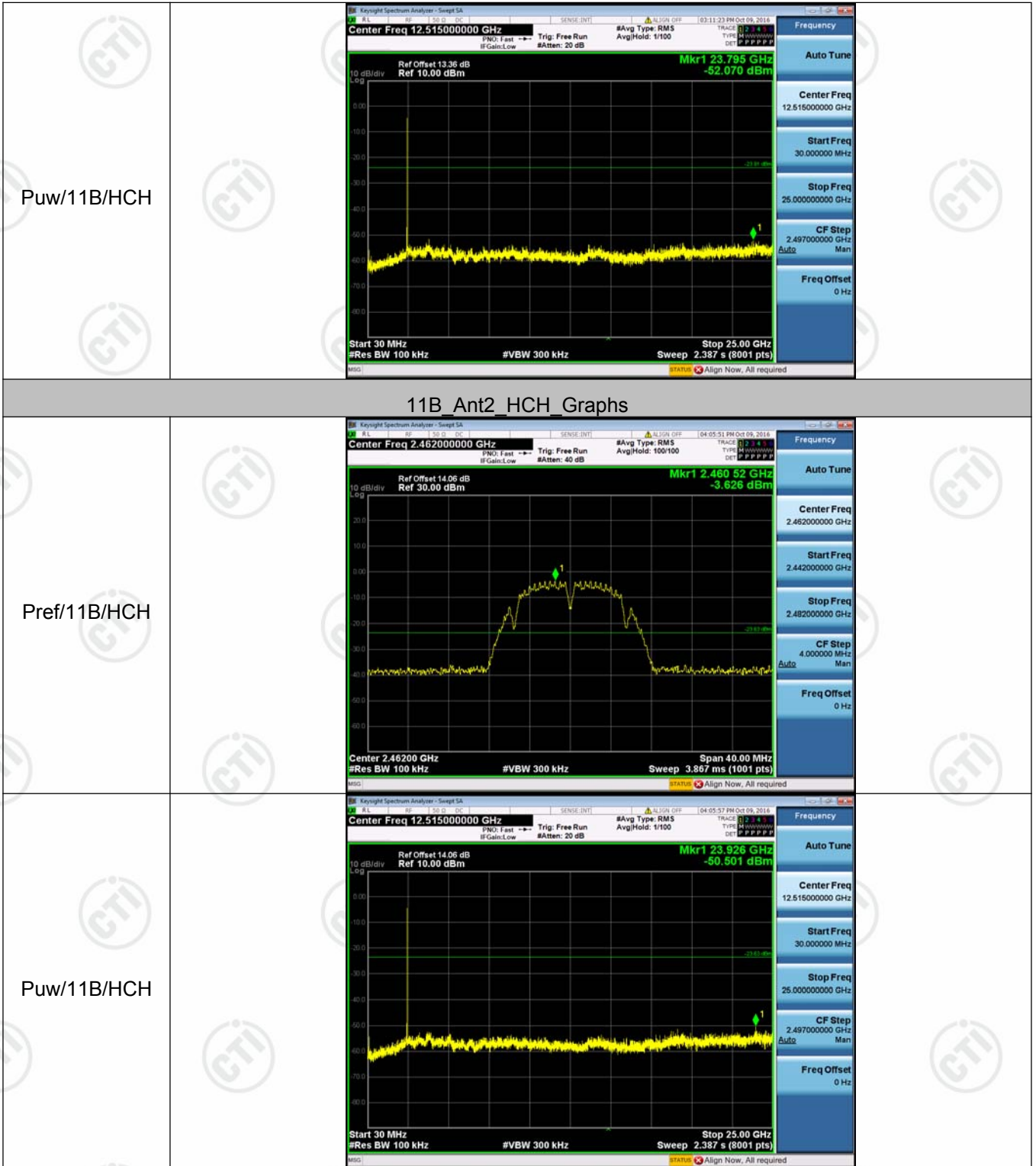
**Test Graph**

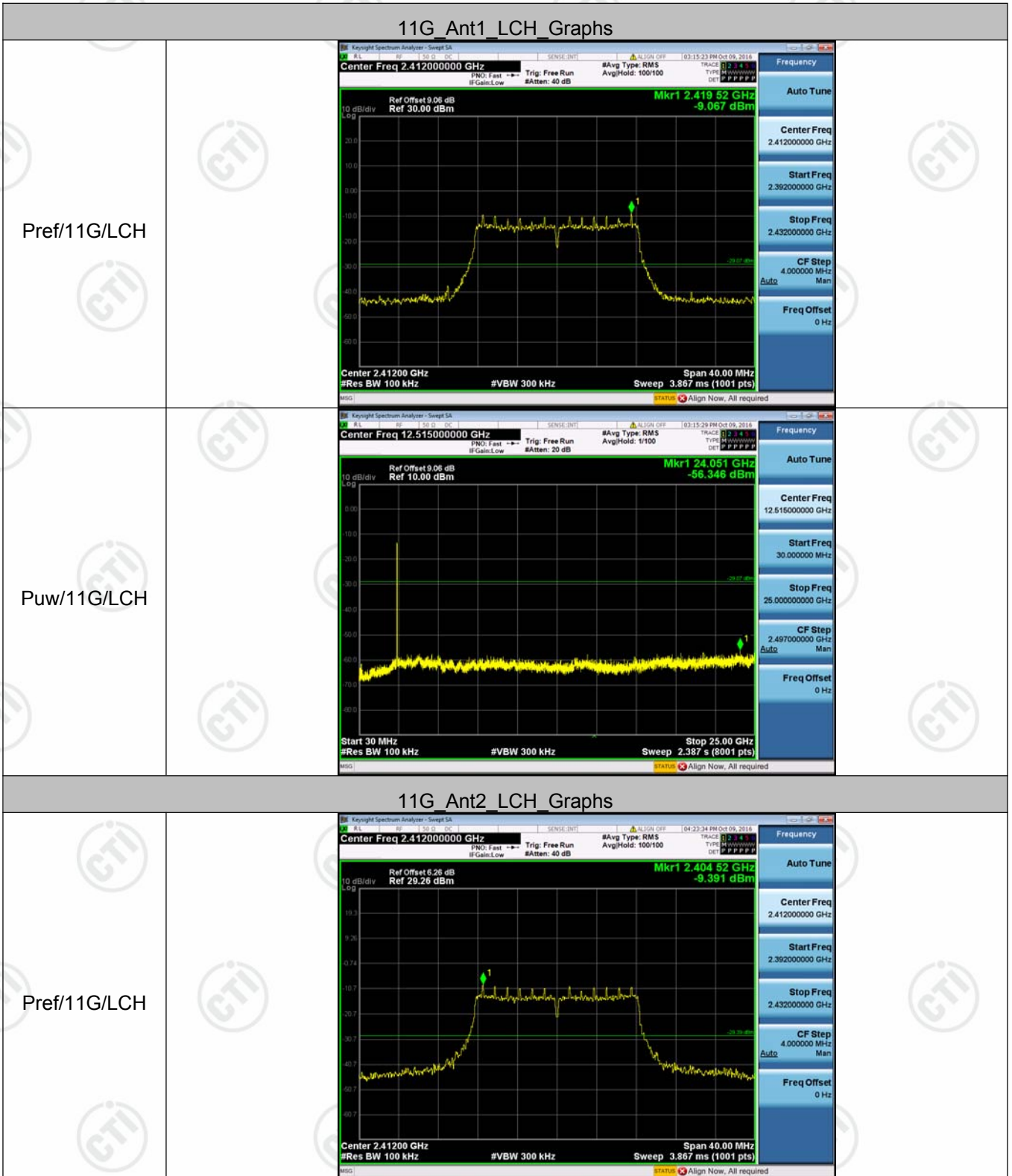


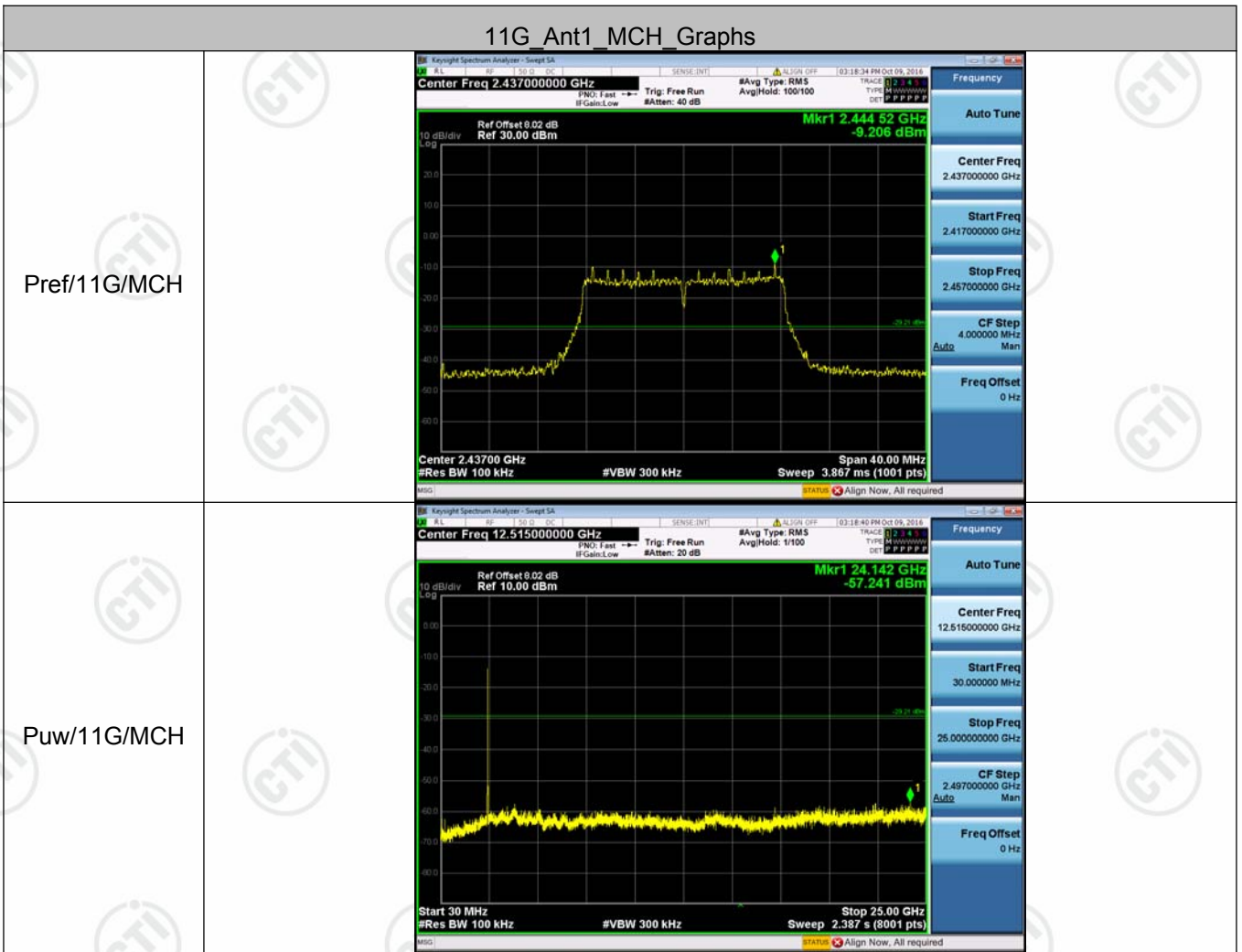
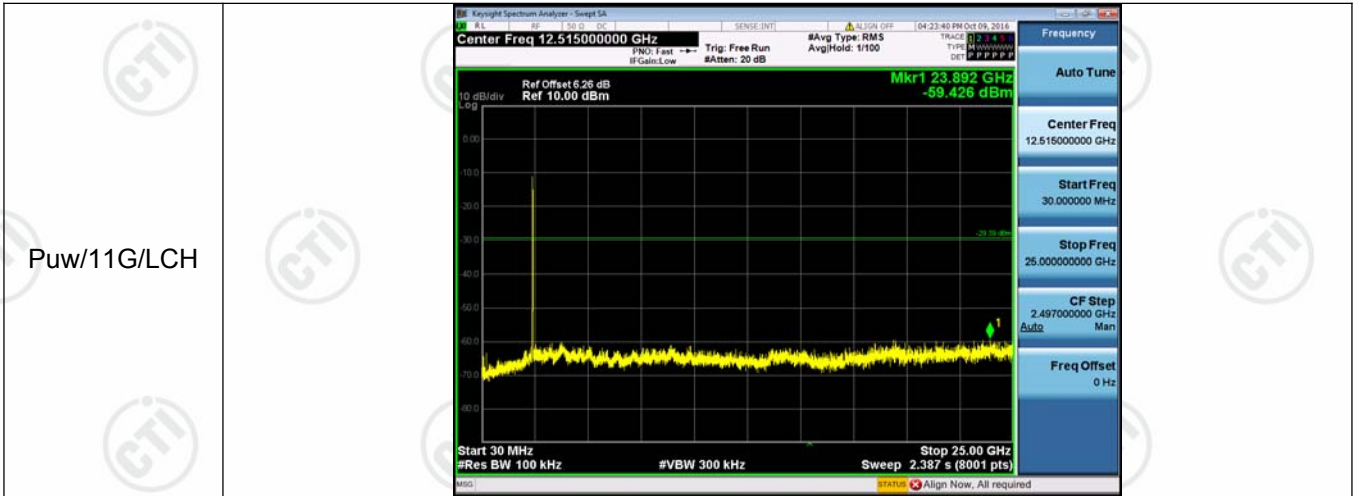


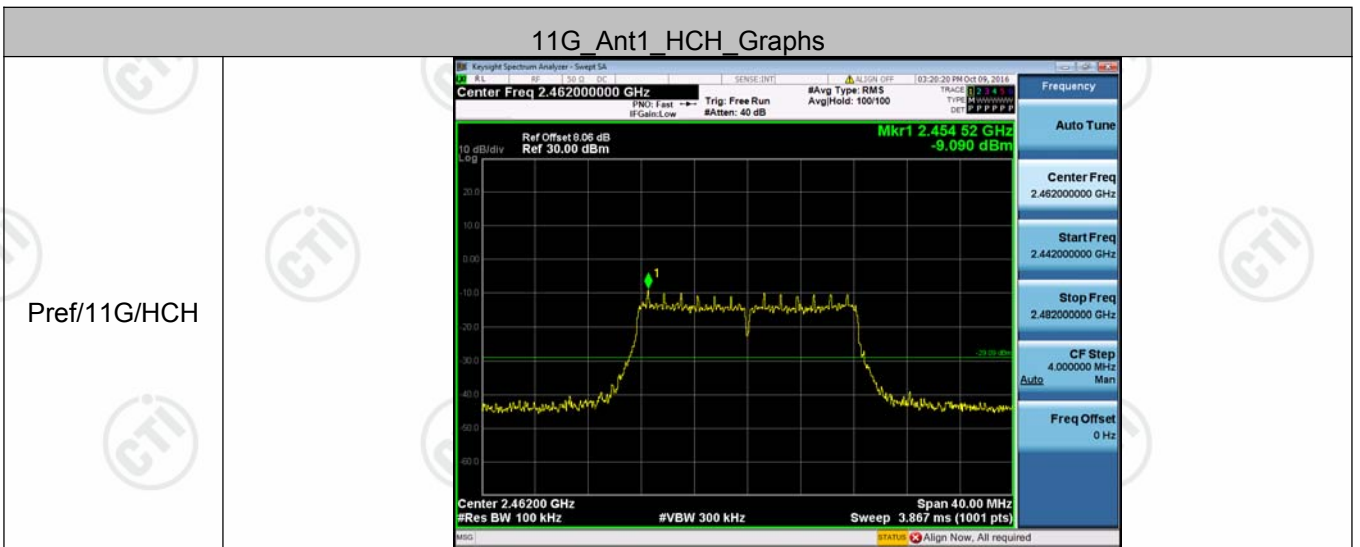
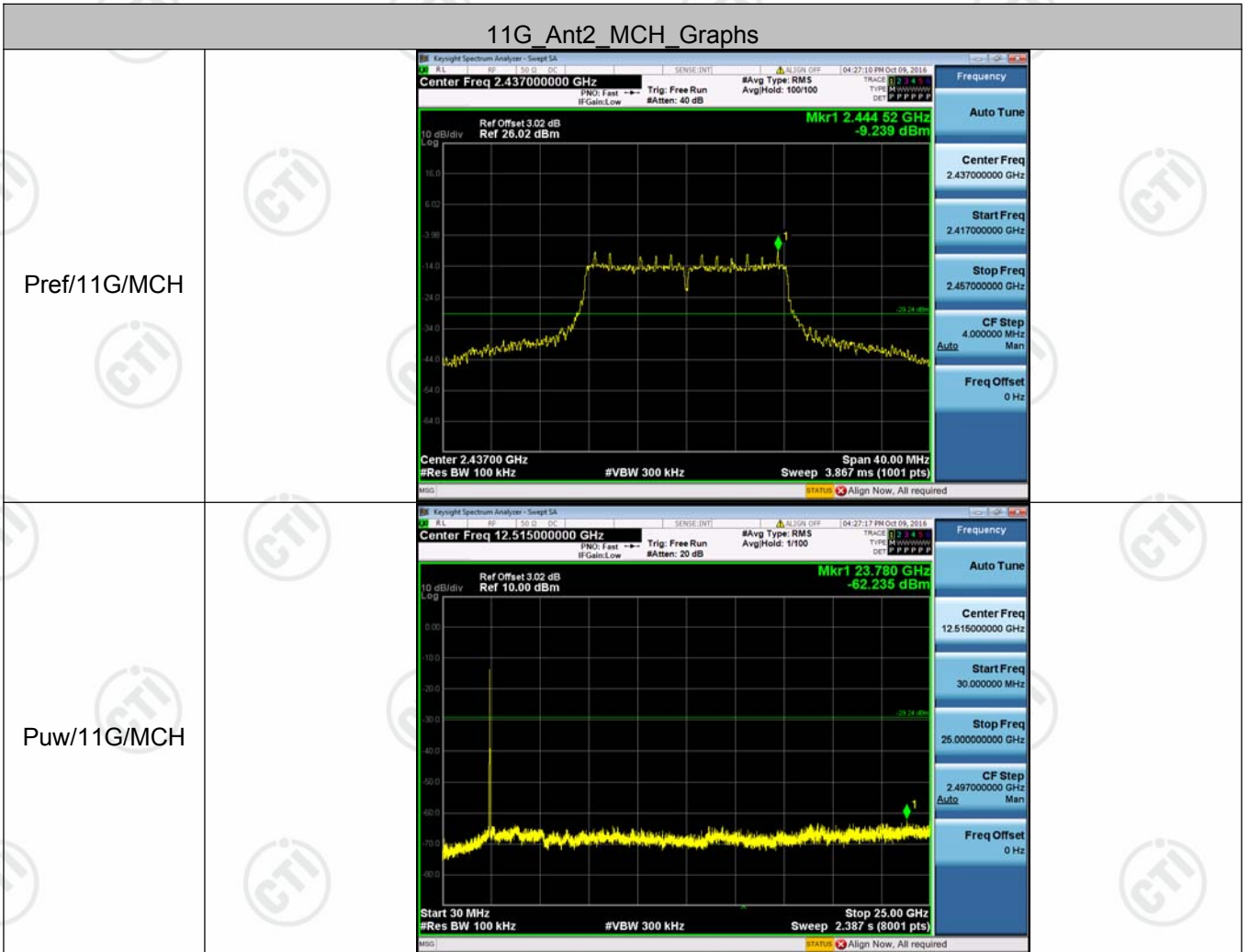


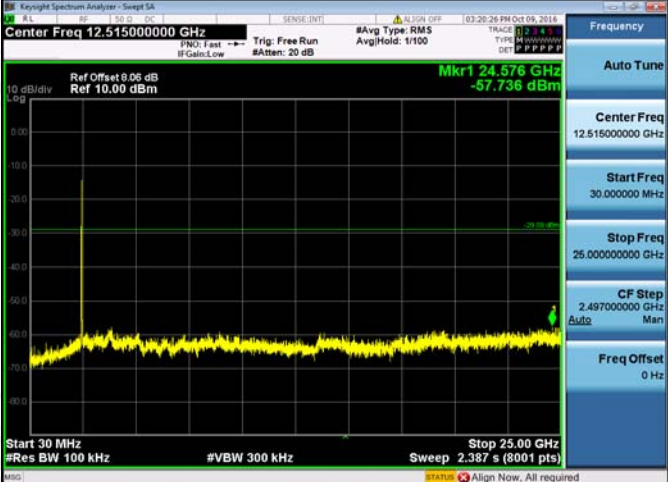
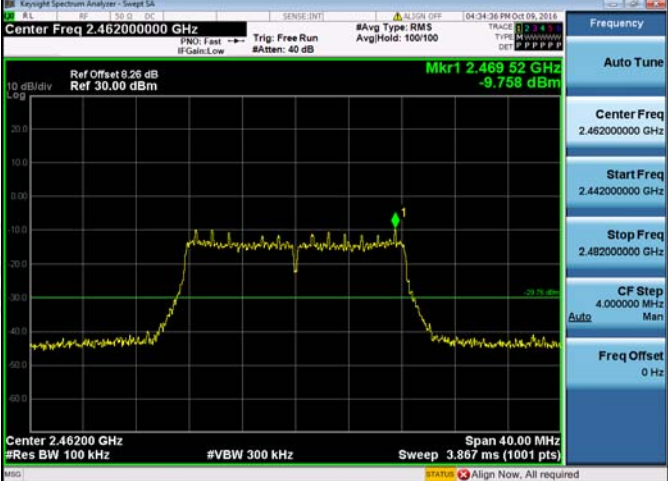
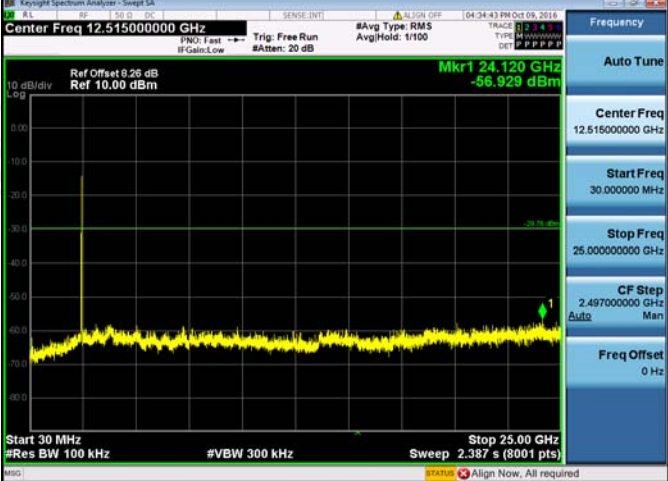




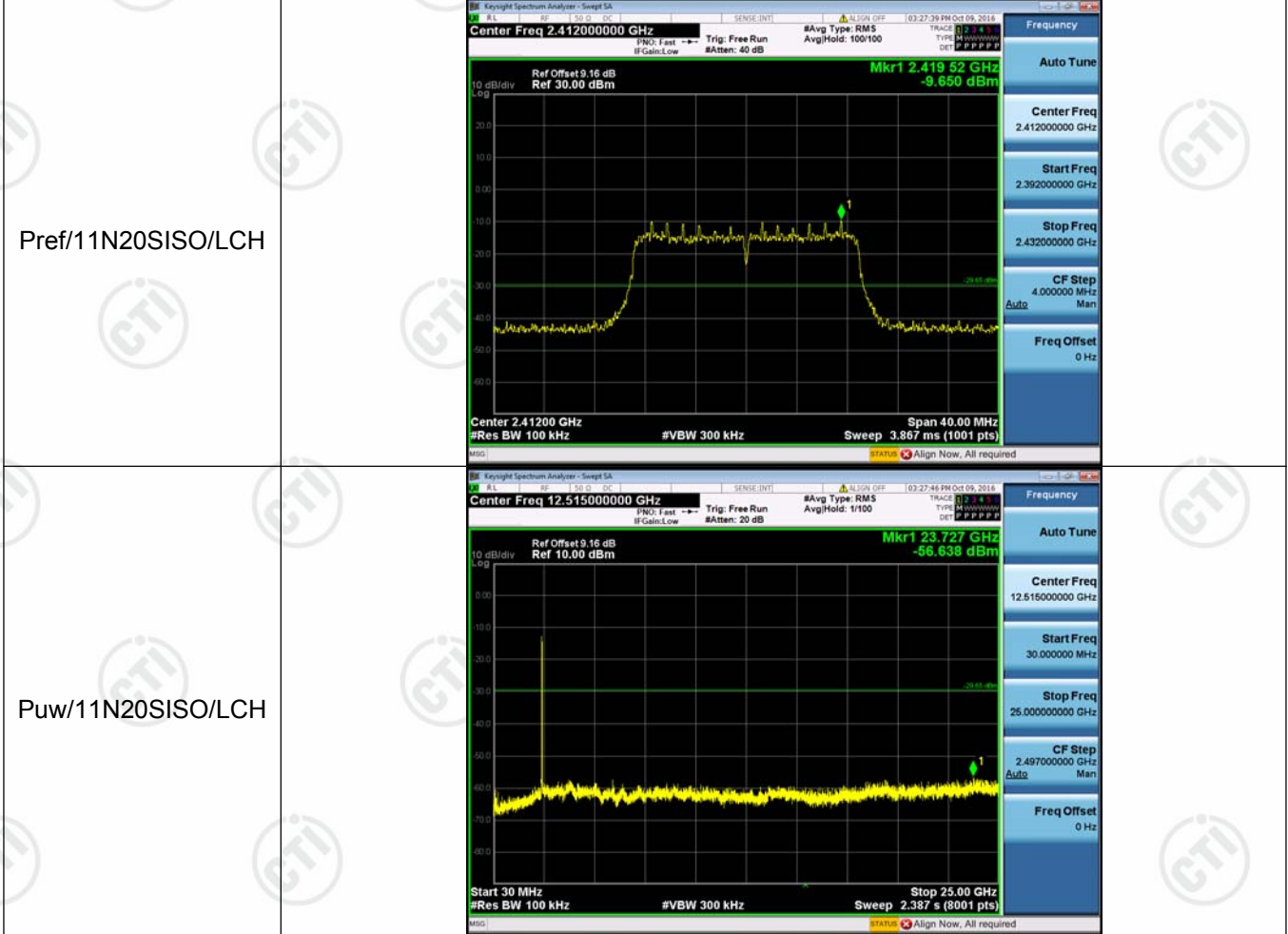




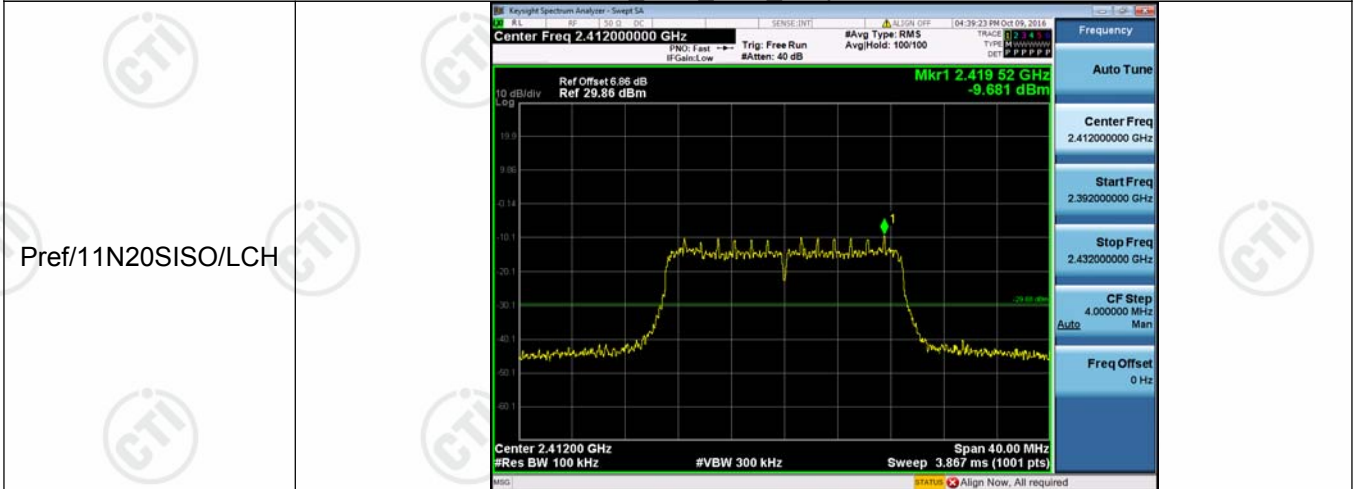


<p>Puw/11G/HCH</p>	
<p>11G_Ant2_HCH_Graphs</p>	
<p>Pref/11G/HCH</p>	
<p>Puw/11G/HCH</p>	

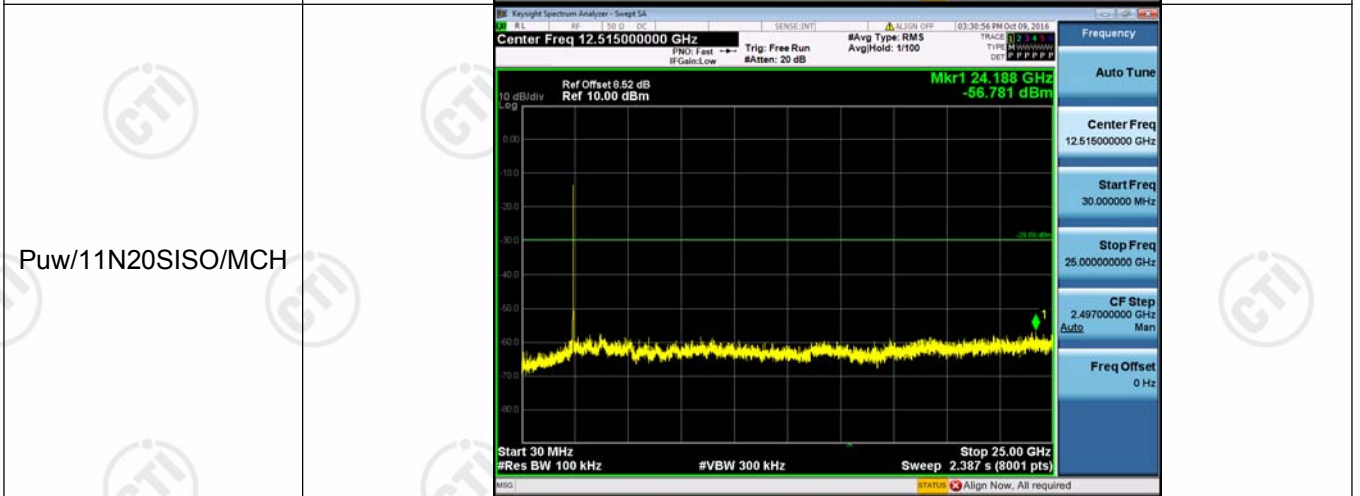
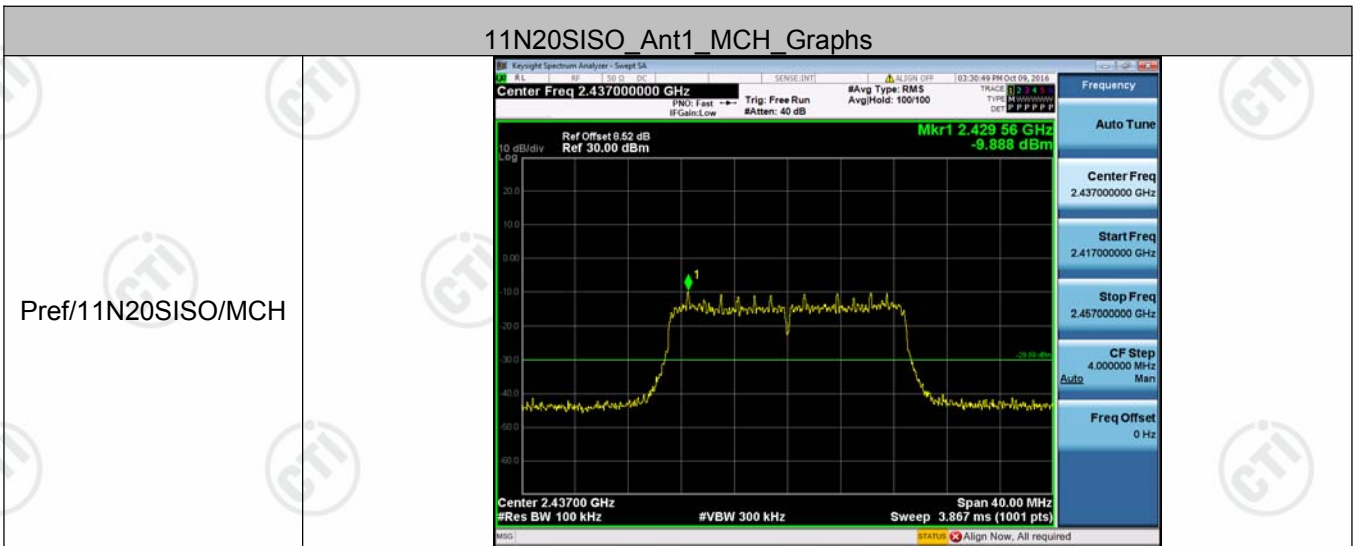
11N20SISO\_Ant1\_LCH\_Graphs



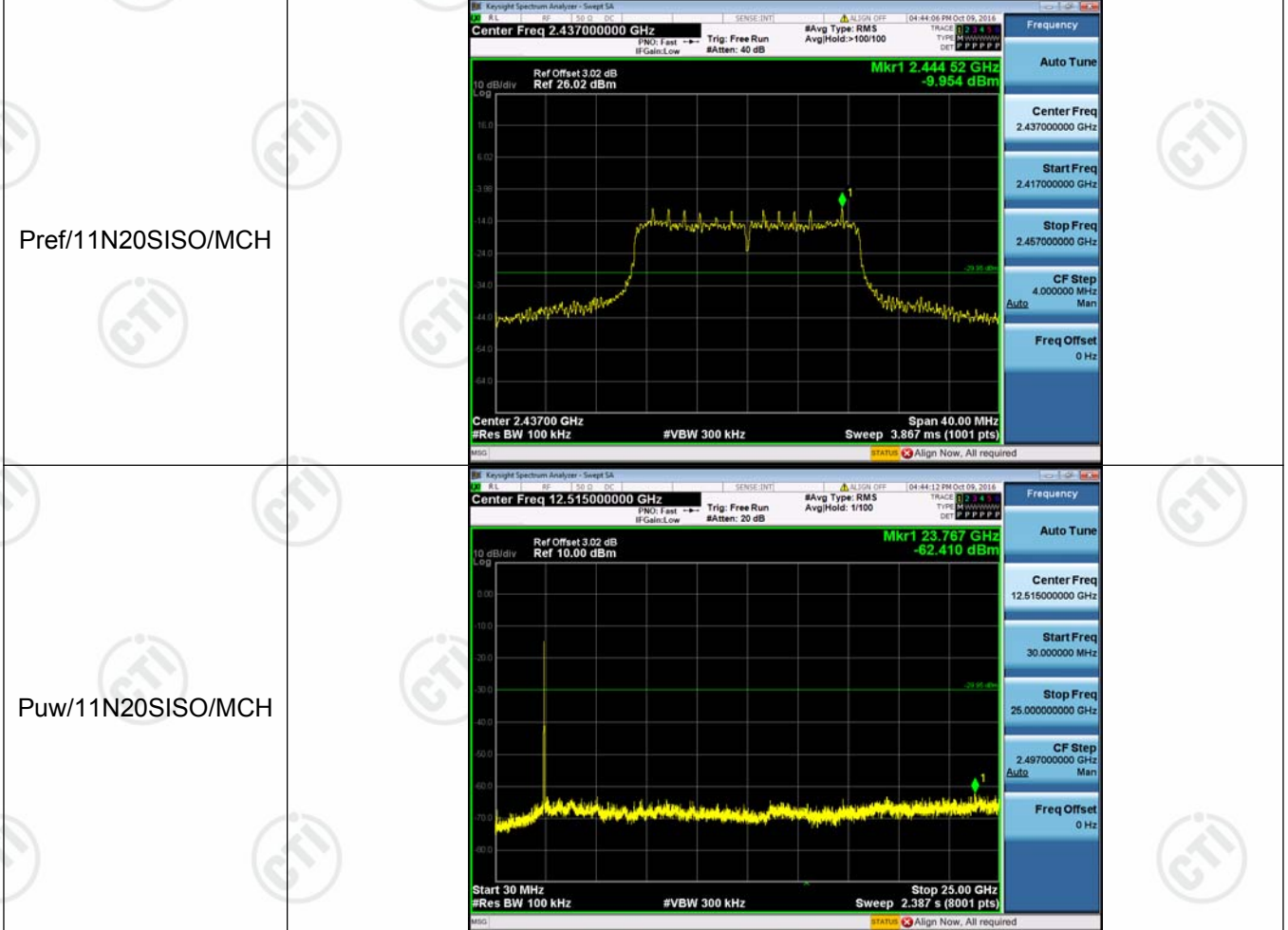
11N20SISO\_Ant2\_LCH\_Graphs



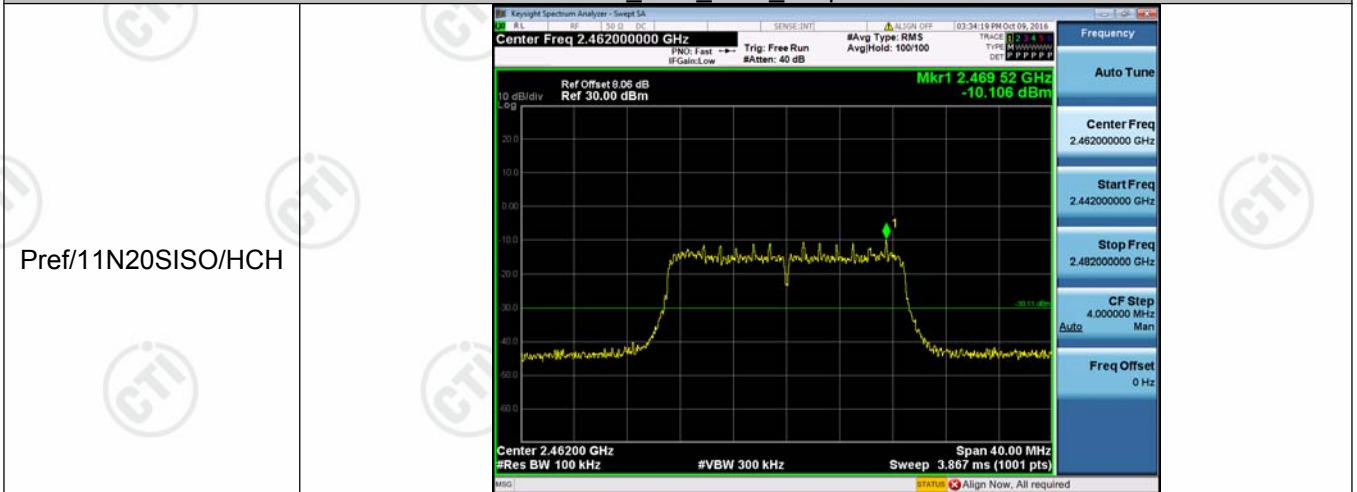


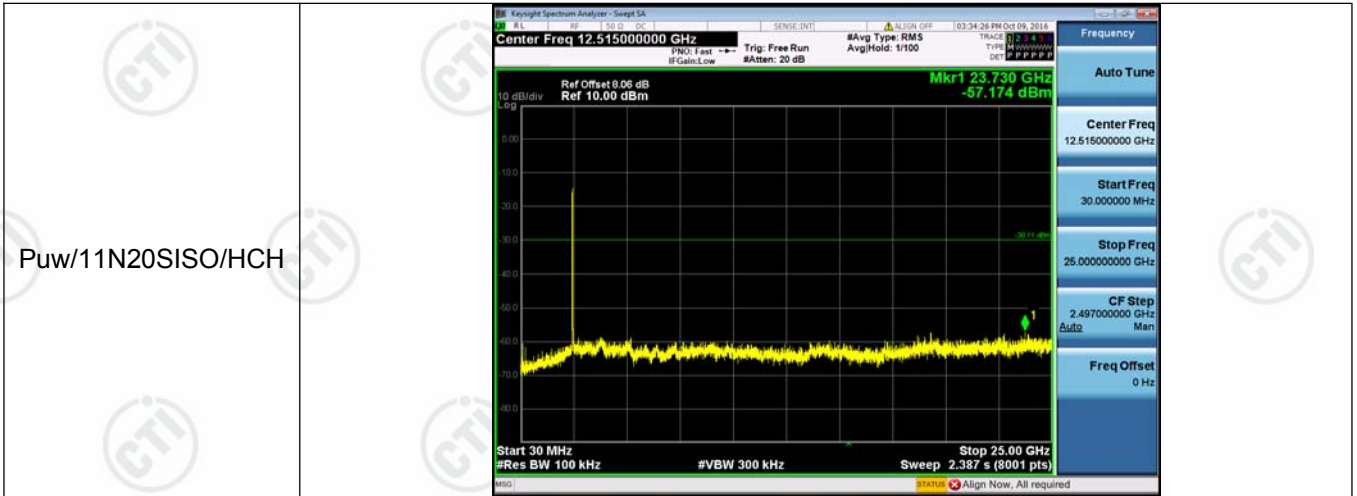


11N20SISO\_Ant2\_MCH\_Graphs

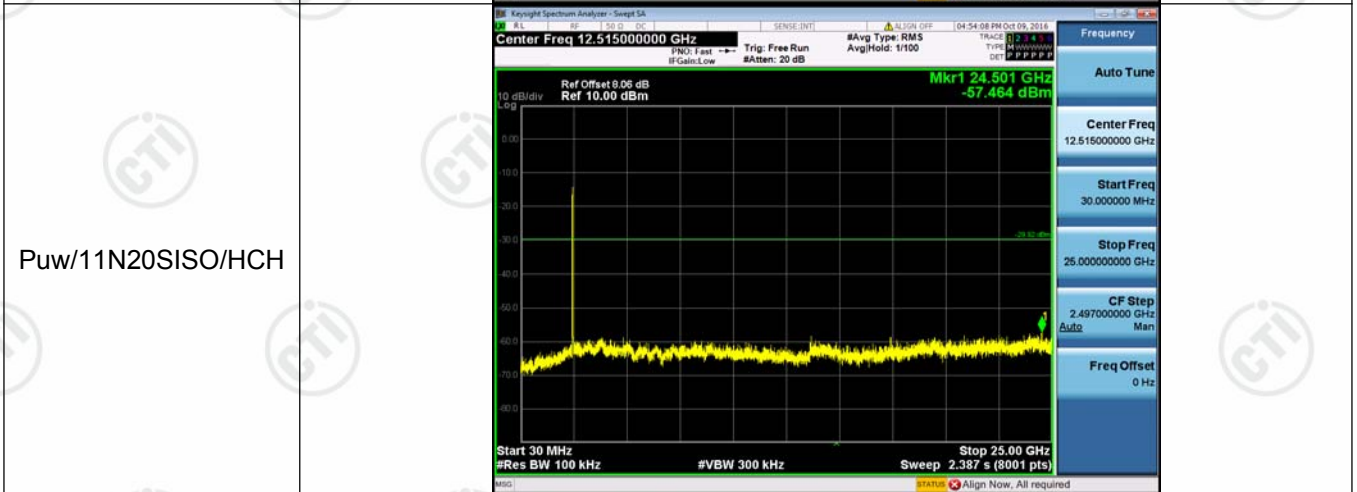
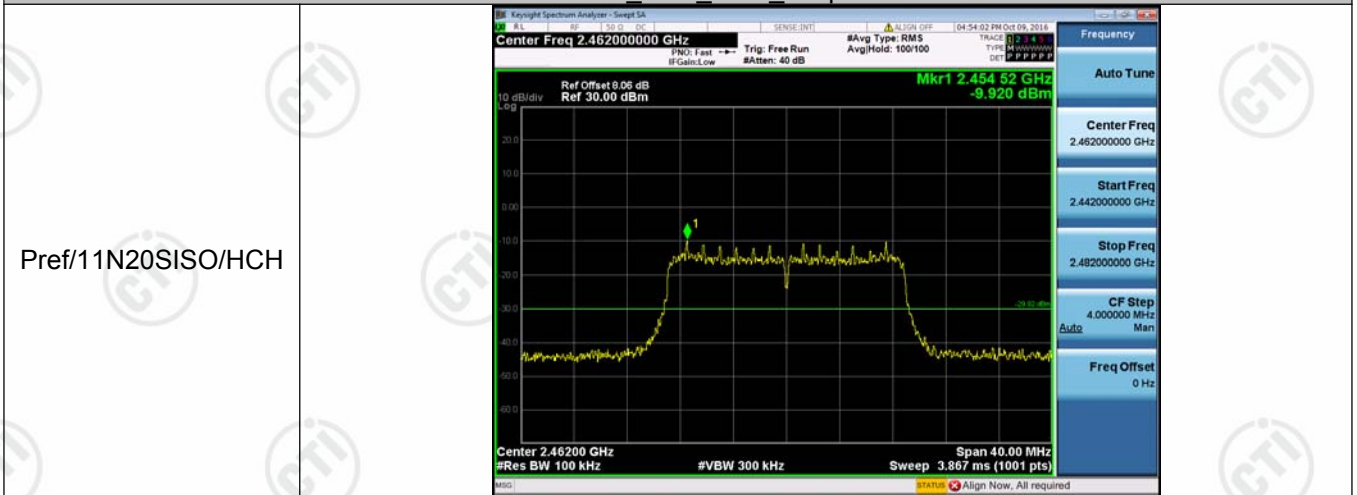


11N20SISO\_Ant1\_HCH\_Graphs

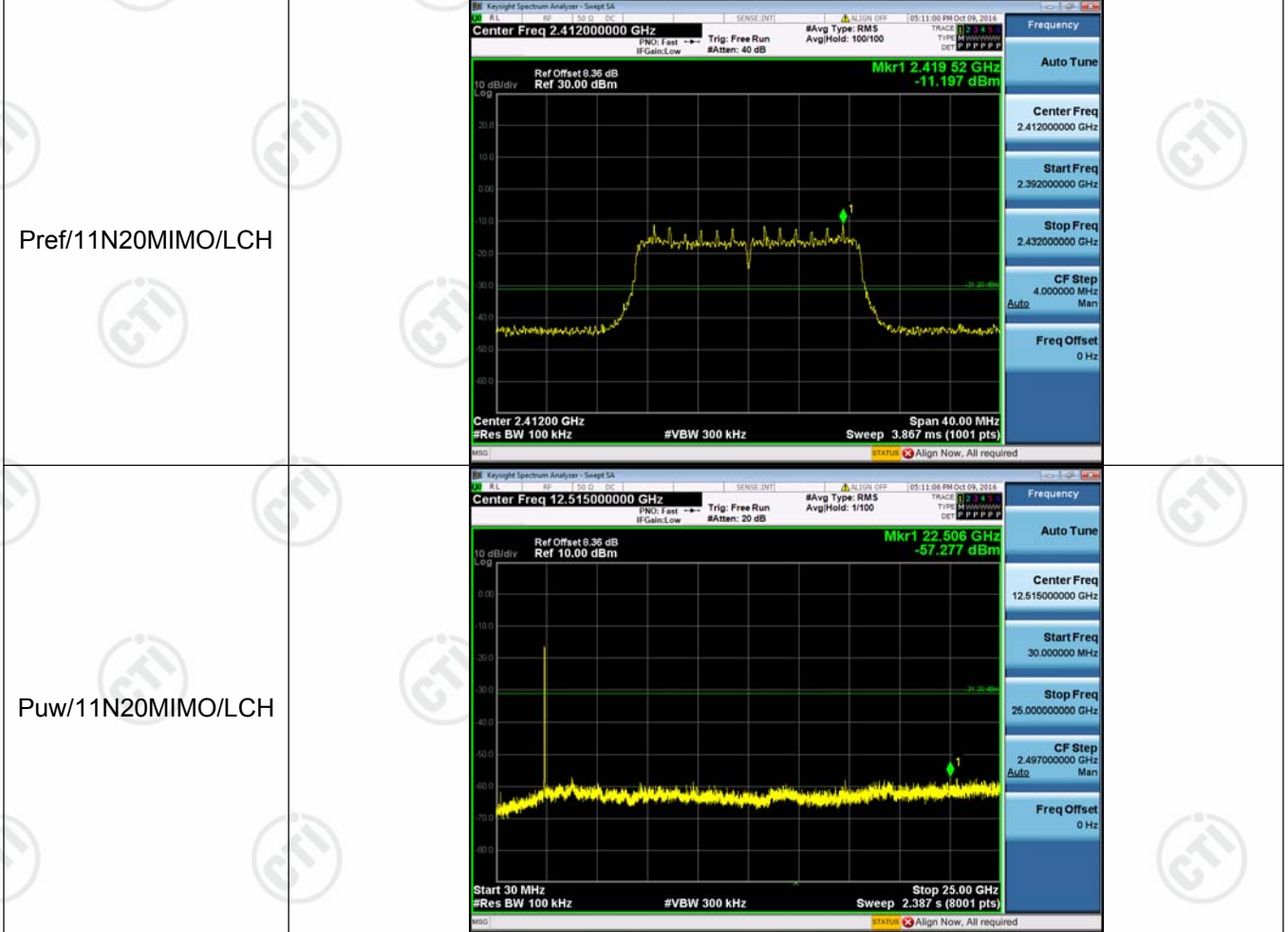




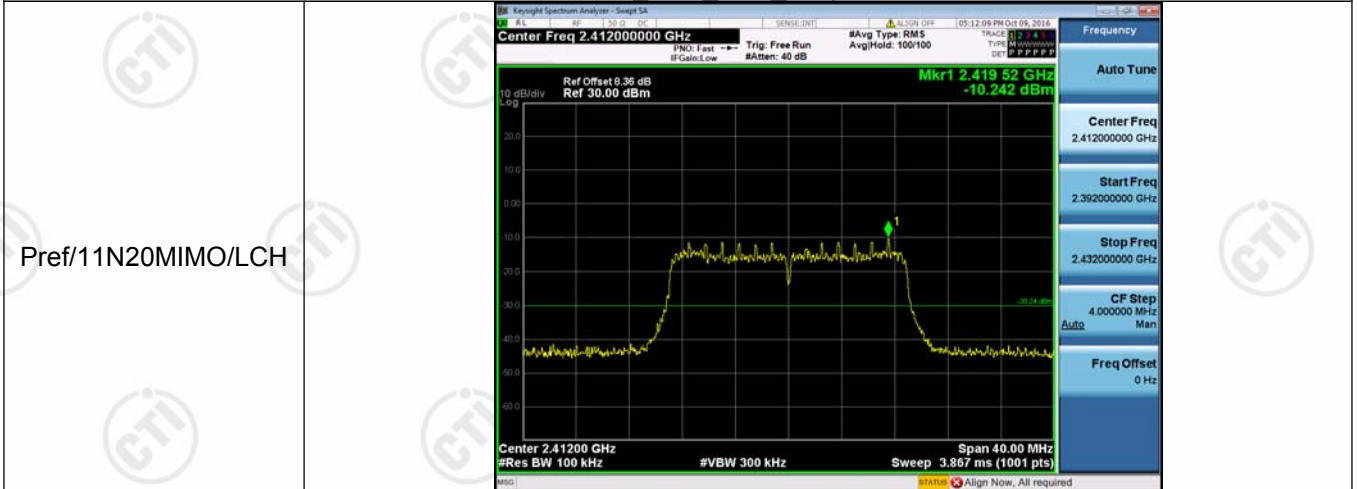
11N20SISO\_Ant2\_HCH\_Graphs

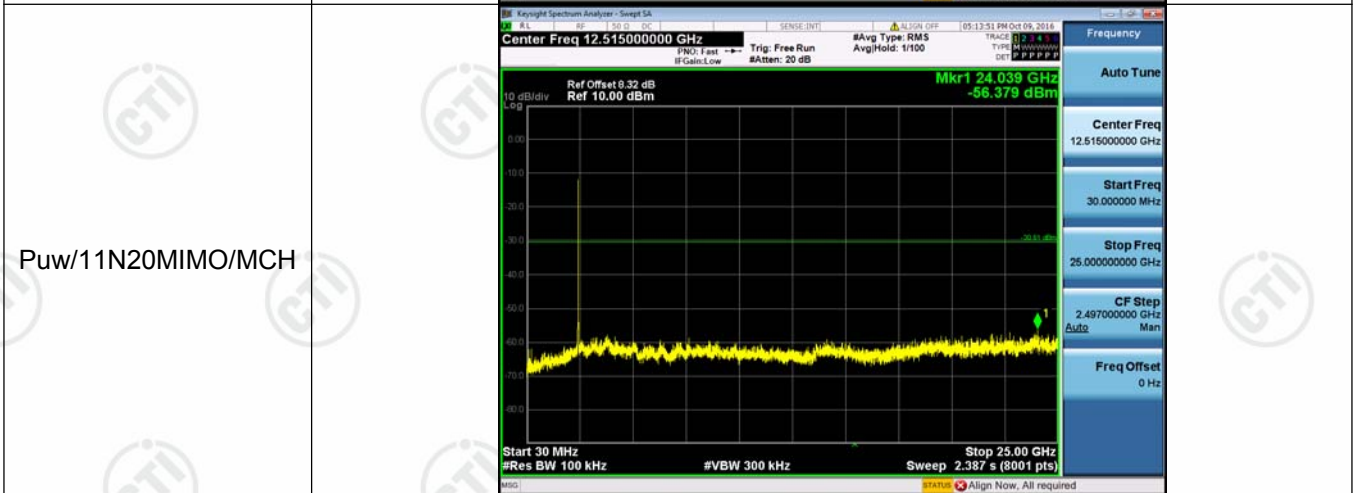
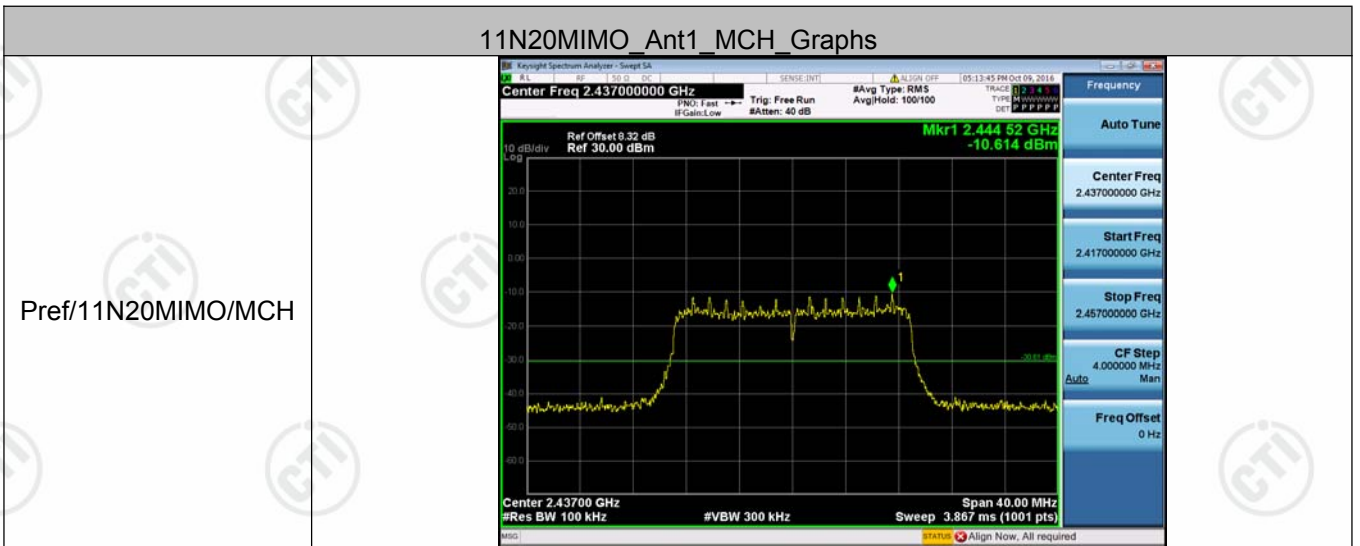
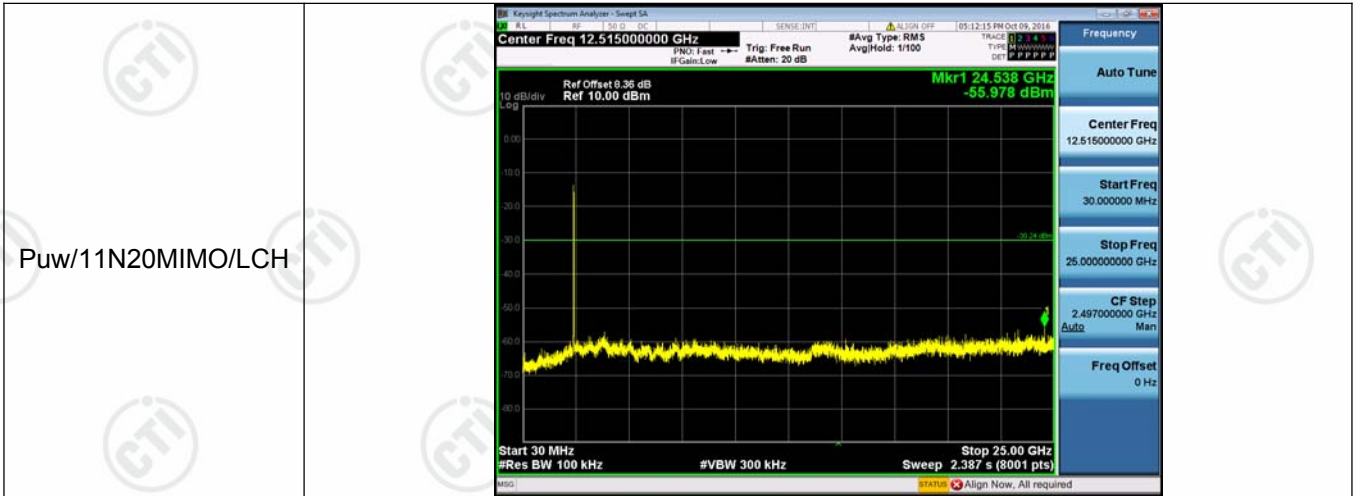


11N20MIMO\_Ant1\_LCH\_Graphs

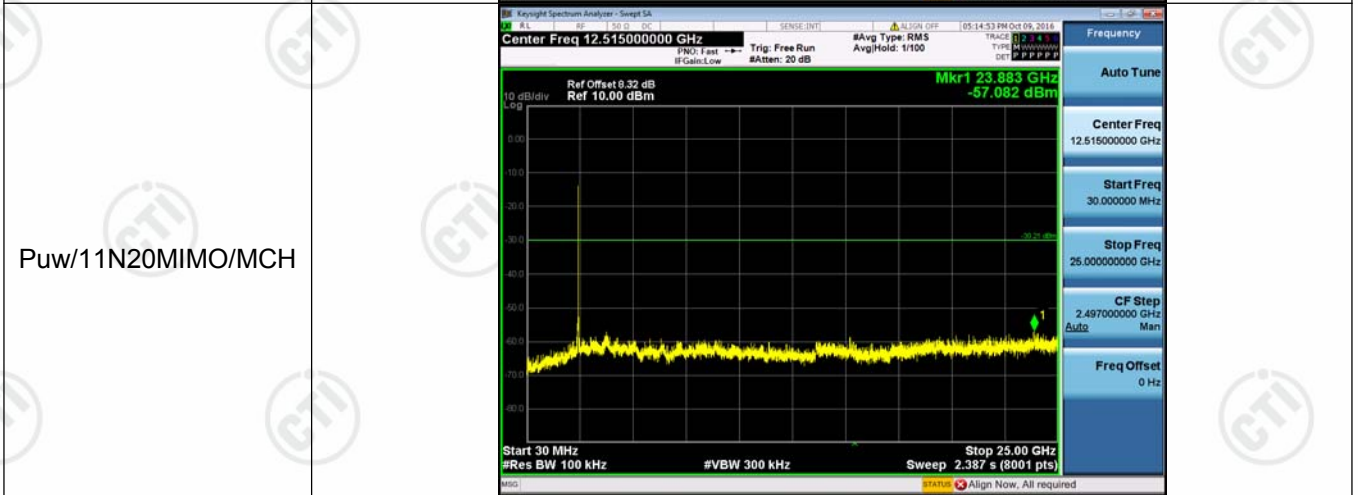
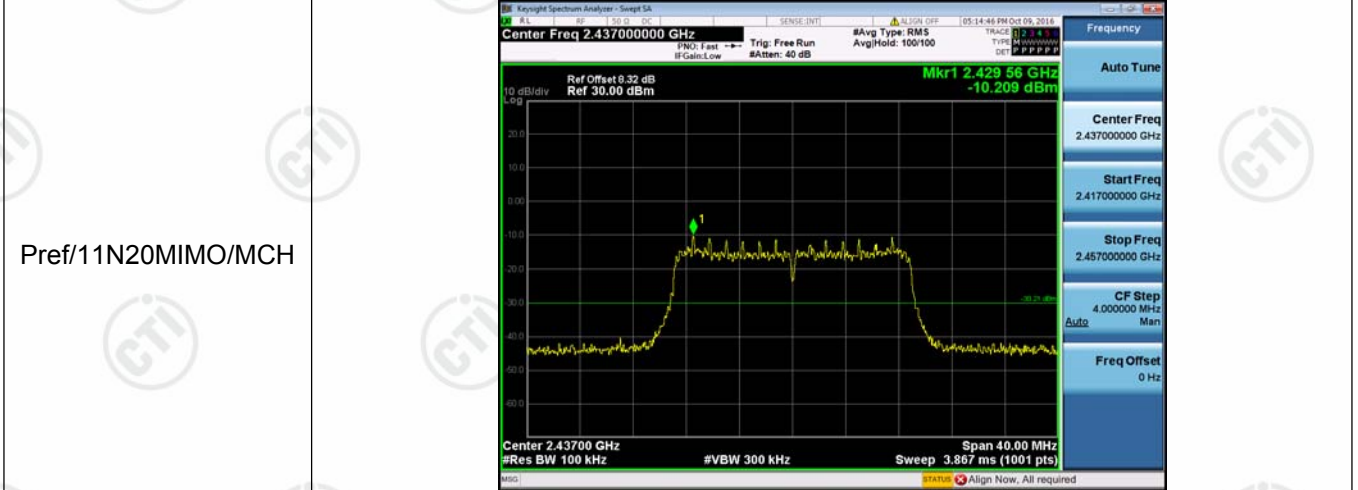


11N20MIMO\_Ant2\_LCH\_Graphs

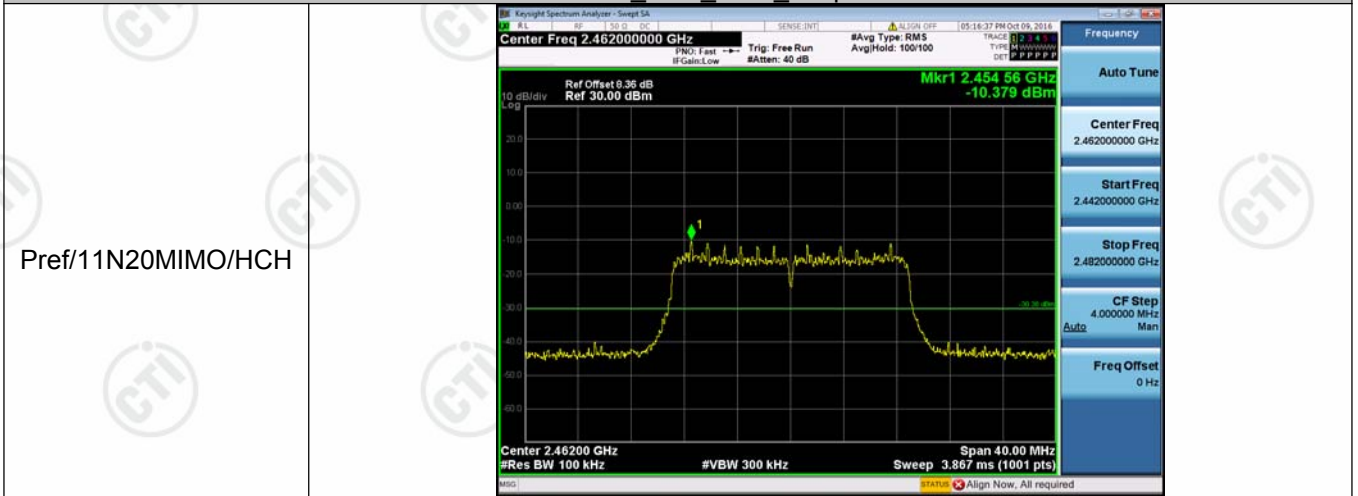


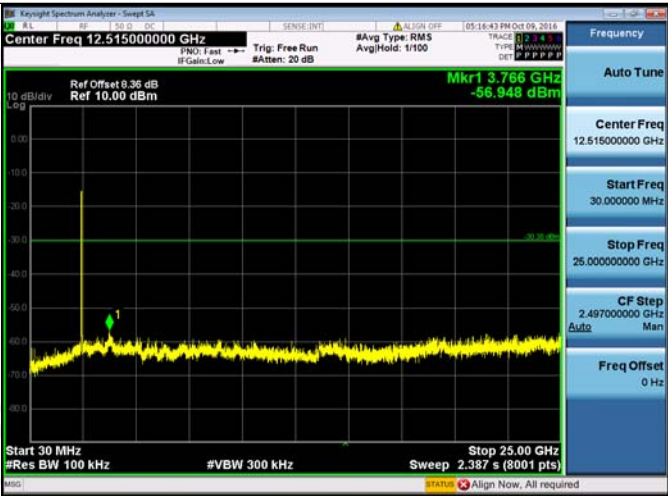
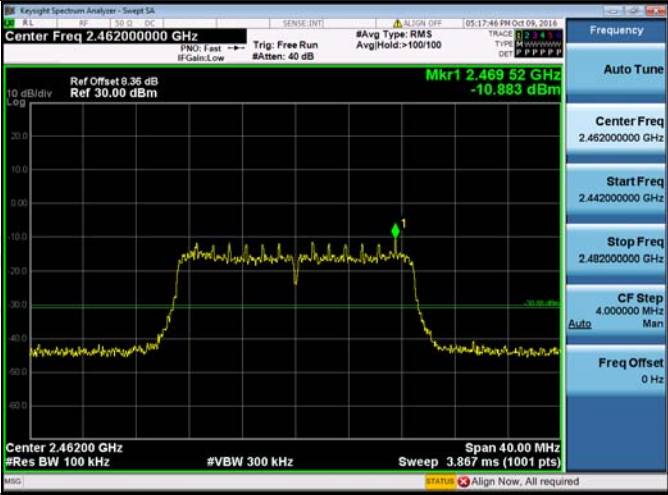
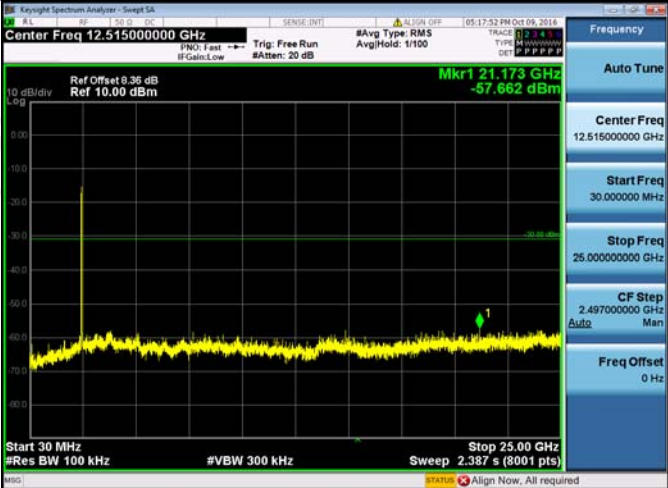


11N20MIMO\_Ant2\_MCH\_Graphs



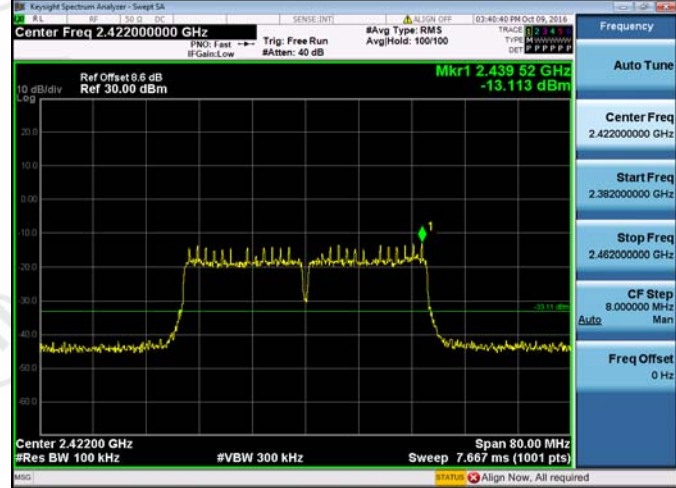
11N20MIMO\_Ant1\_HCH\_Graphs



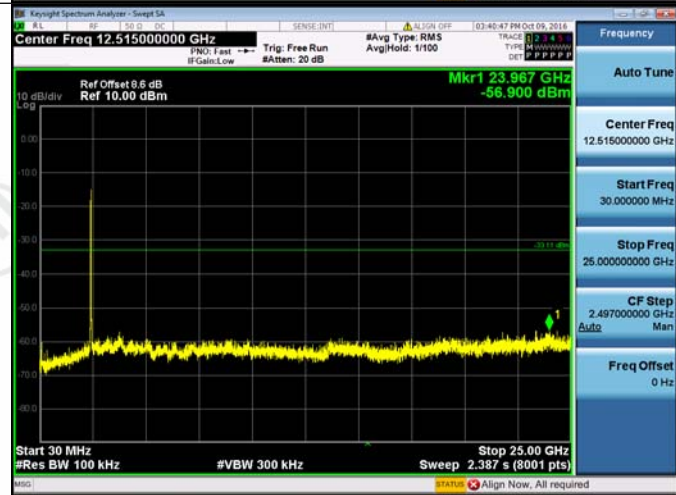
<p>Puw/11N20MIMO/HCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 12.515000000 GHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 25.000000000 GHz</p> <p>CF Step 2.497000000 GHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>11N20MIMO Ant2_HCH Graphs</p>		
<p>Pref/11N20MIMO/HCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.462000000 GHz</p> <p>Start Freq 2.442000000 GHz</p> <p>Stop Freq 2.482000000 GHz</p> <p>CF Step 4.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>Puw/11N20MIMO/HCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 12.515000000 GHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 25.000000000 GHz</p> <p>CF Step 2.497000000 GHz Auto Man</p> <p>Freq Offset 0 Hz</p>

11N40SISO\_Ant1\_LCH\_Graphs

Pref/11N40SISO/LCH

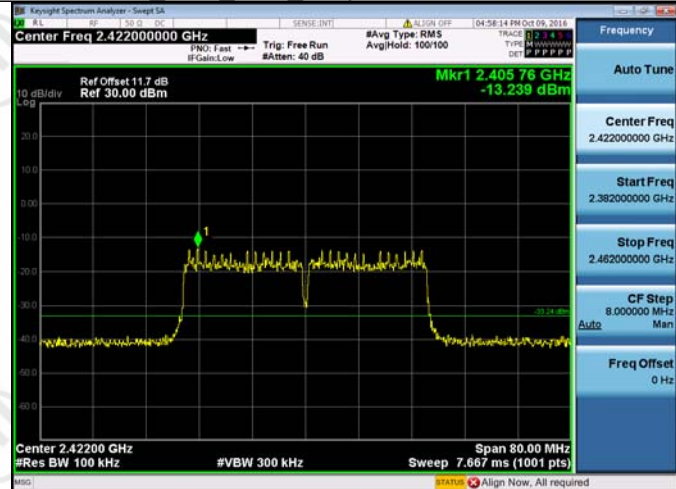


Puw/11N40SISO/LCH

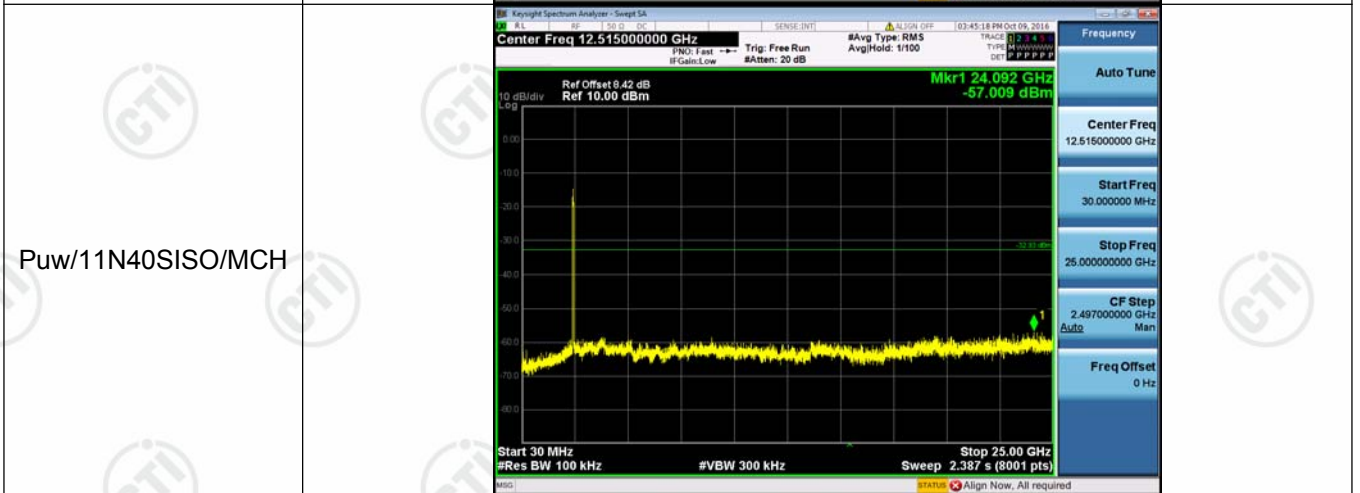
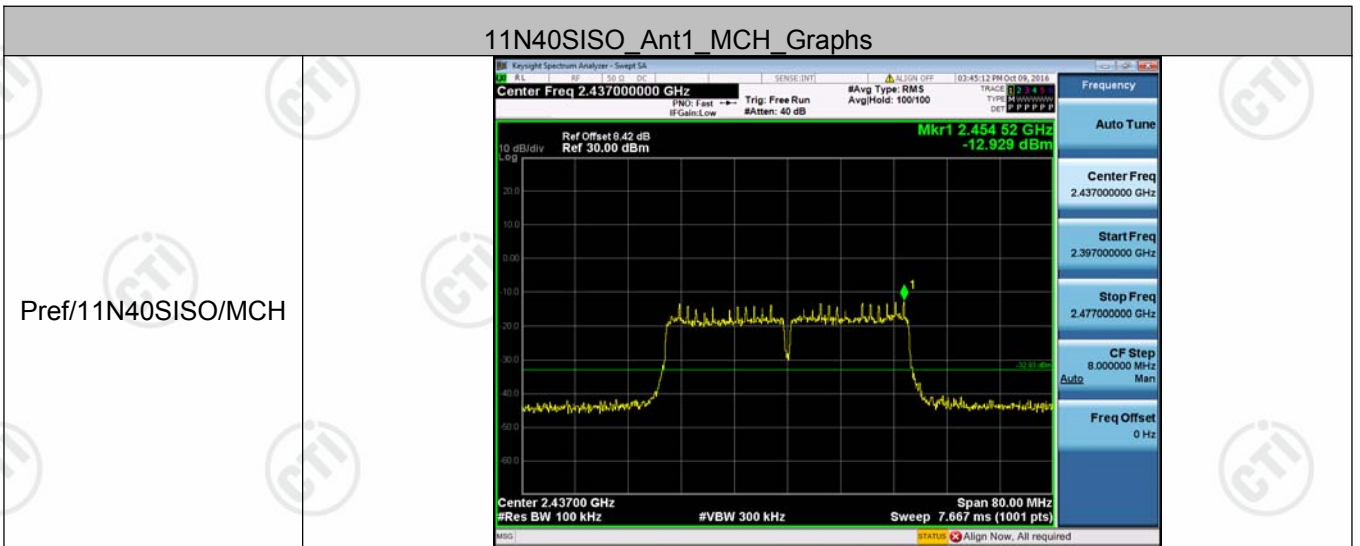
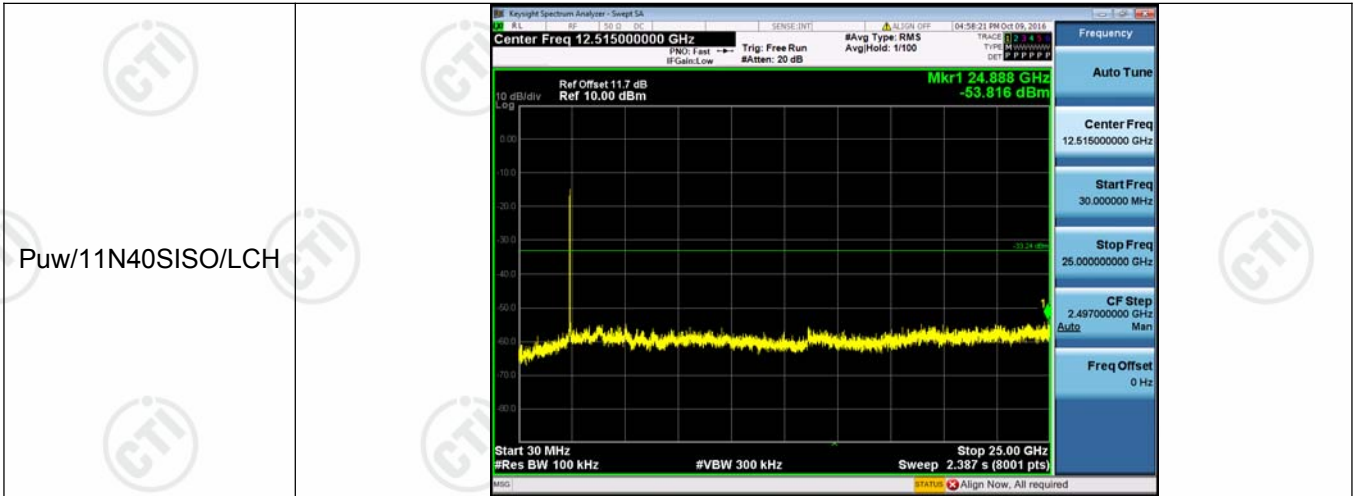


11N40SISO\_Ant2\_LCH\_Graphs

Pref/11N40SISO/LCH



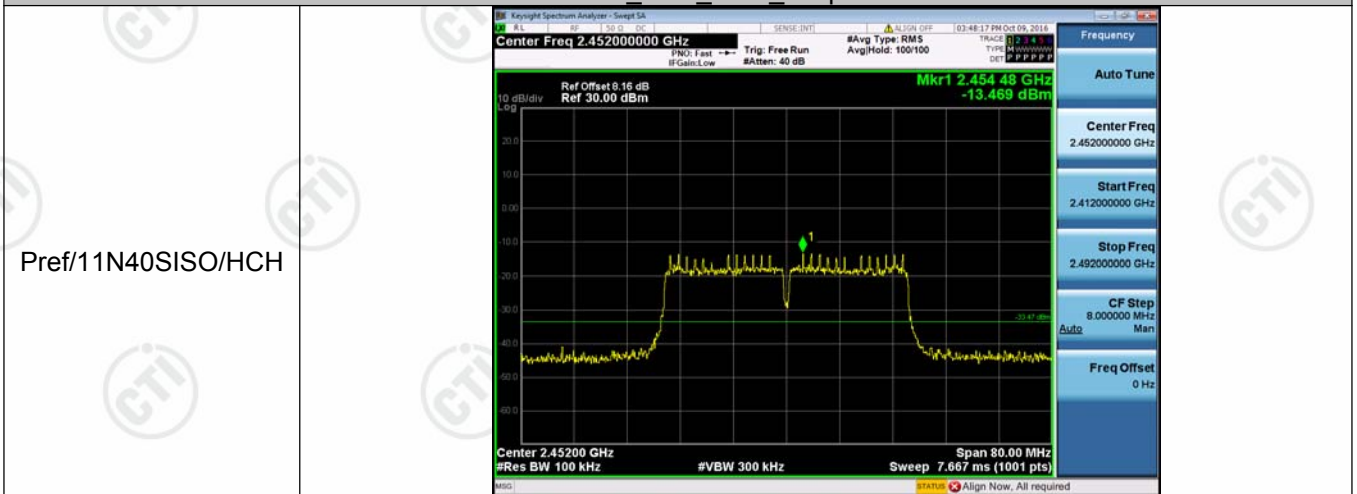


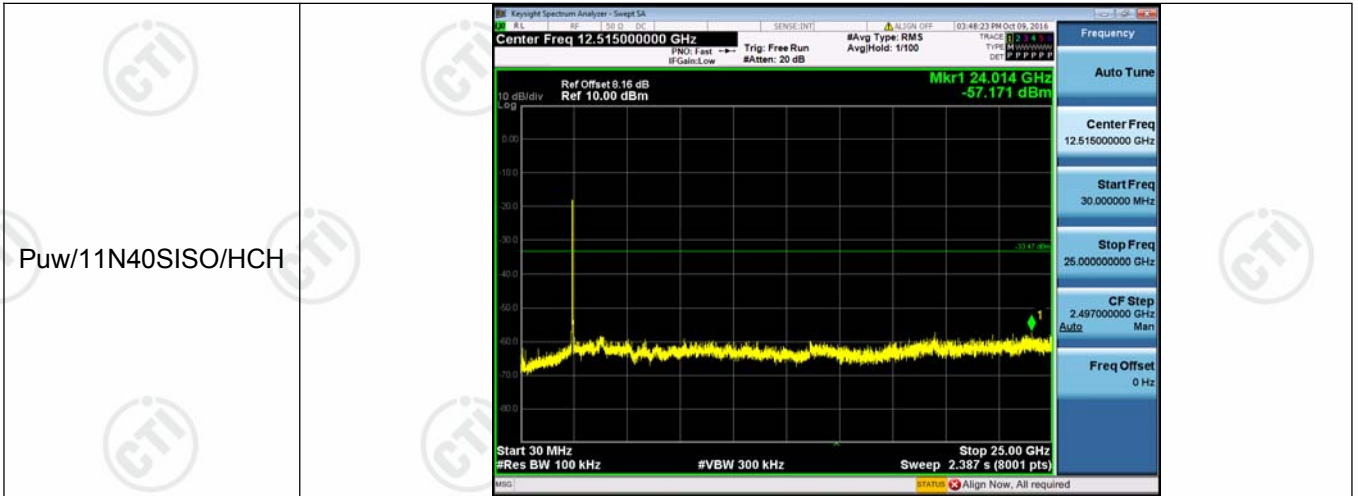


11N40SISO\_Ant2\_MCH\_Graphs

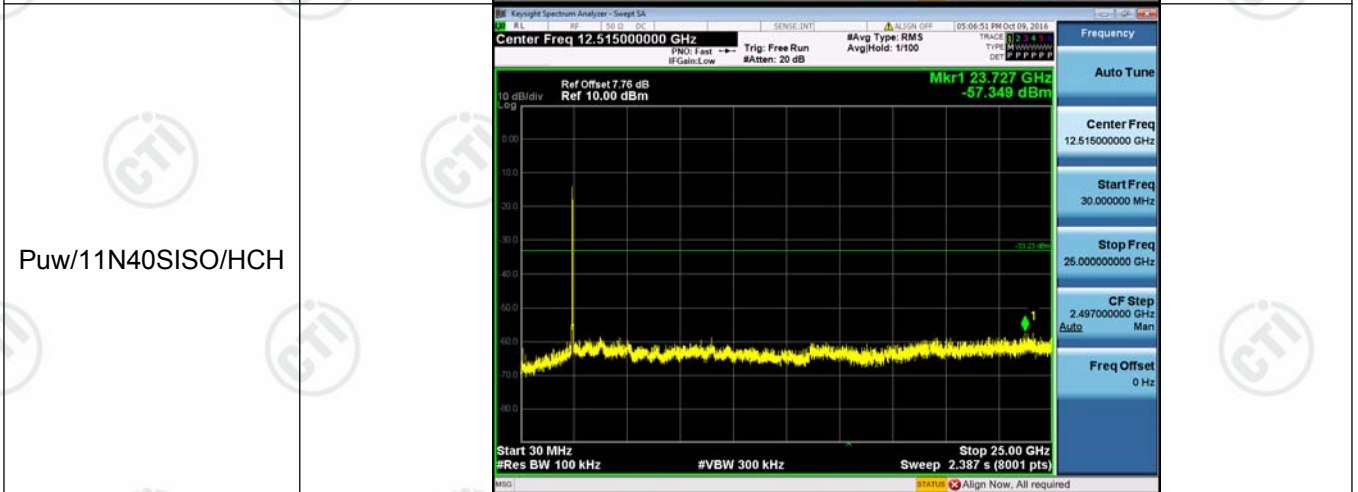
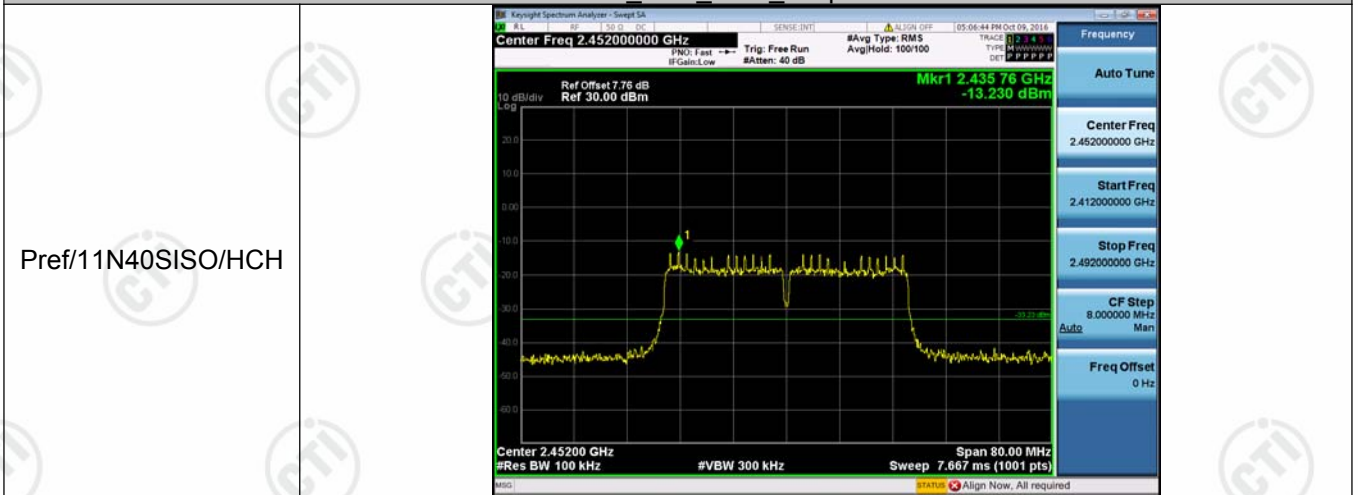


11N40SISO\_Ant1\_HCH\_Graphs





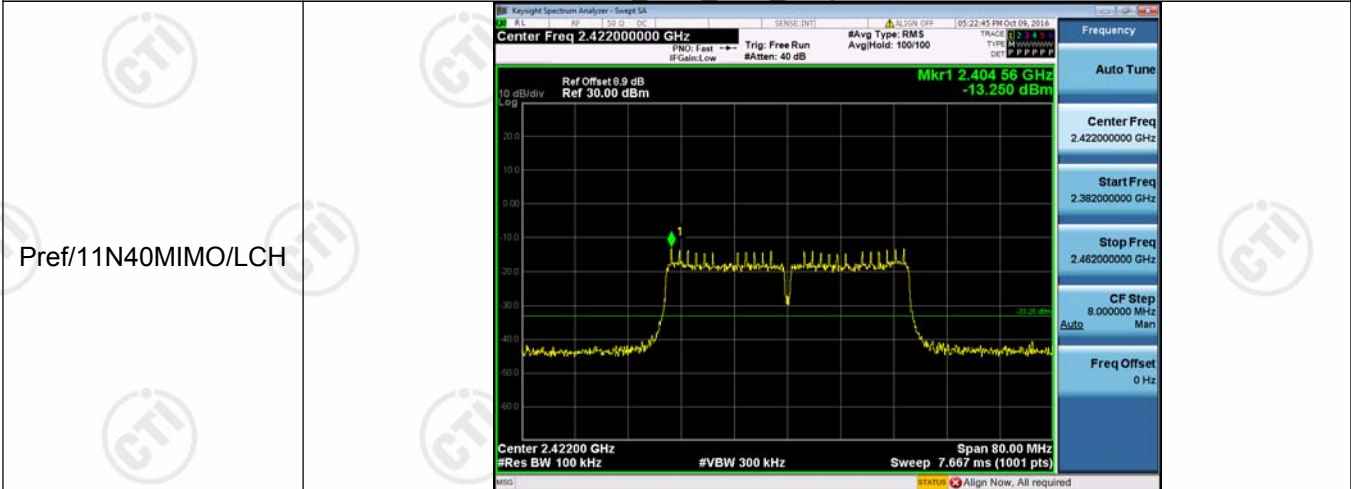
11N40SISO\_Ant2\_HCH\_Graphs

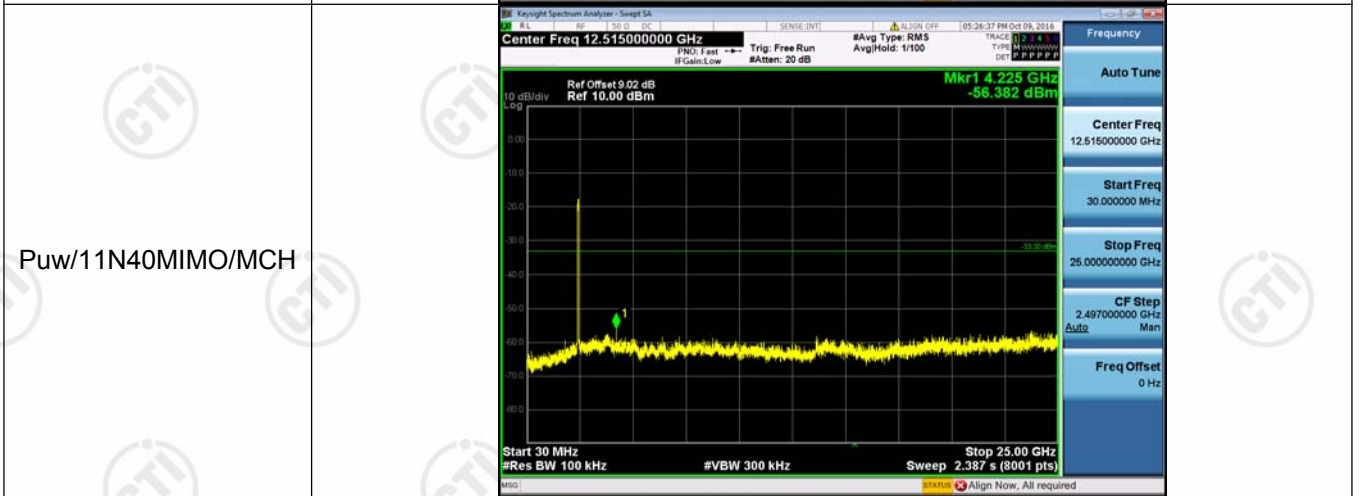
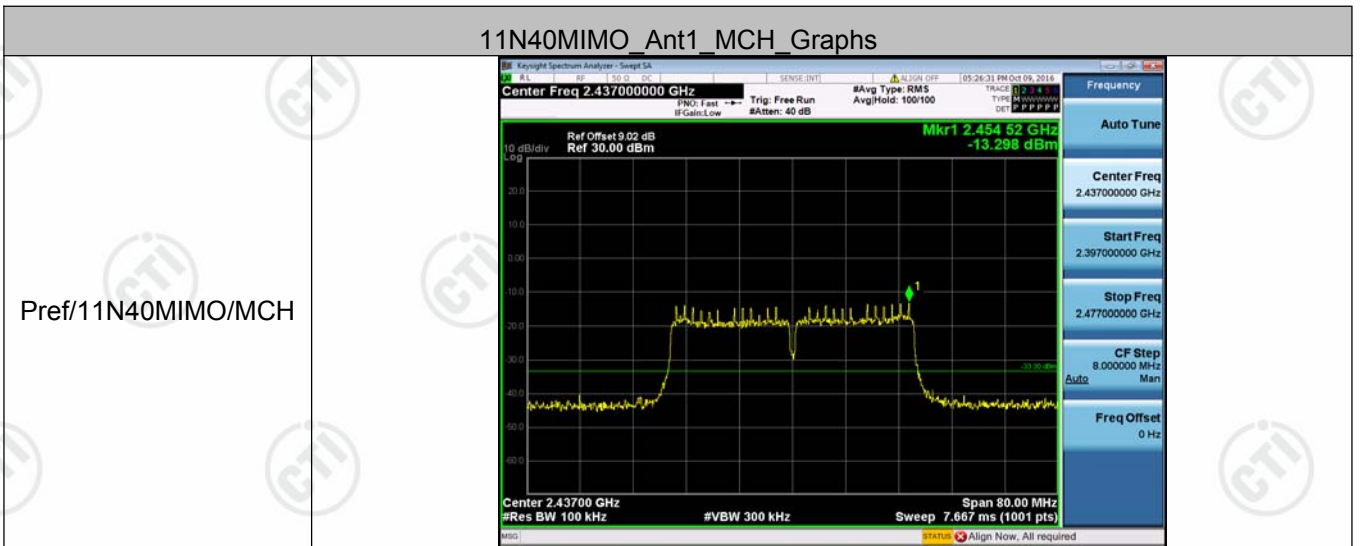
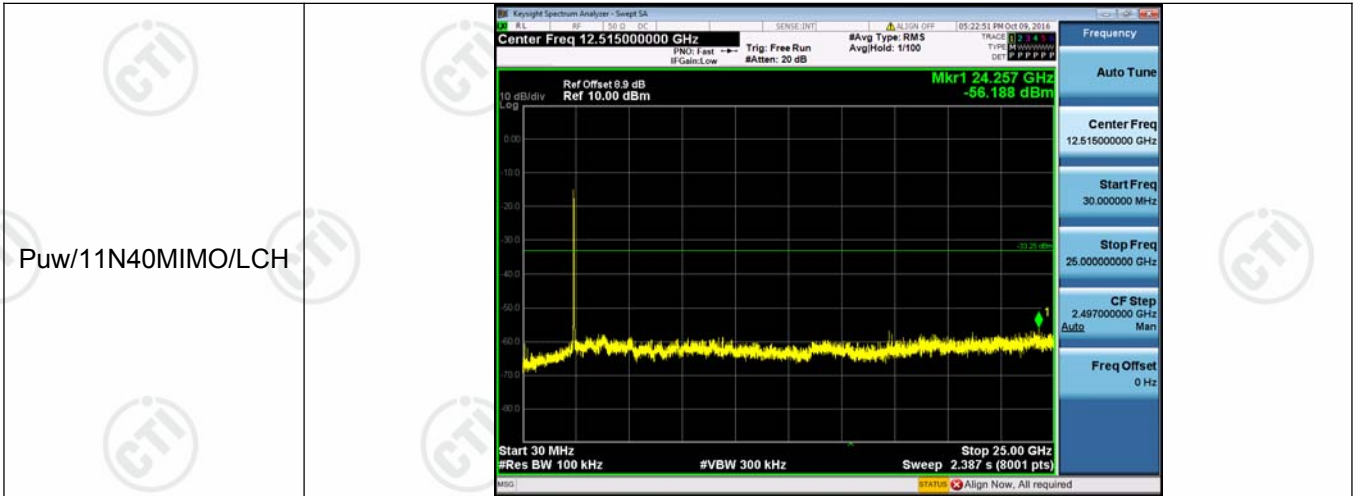


11N40MIMO\_Ant1\_LCH\_Graphs

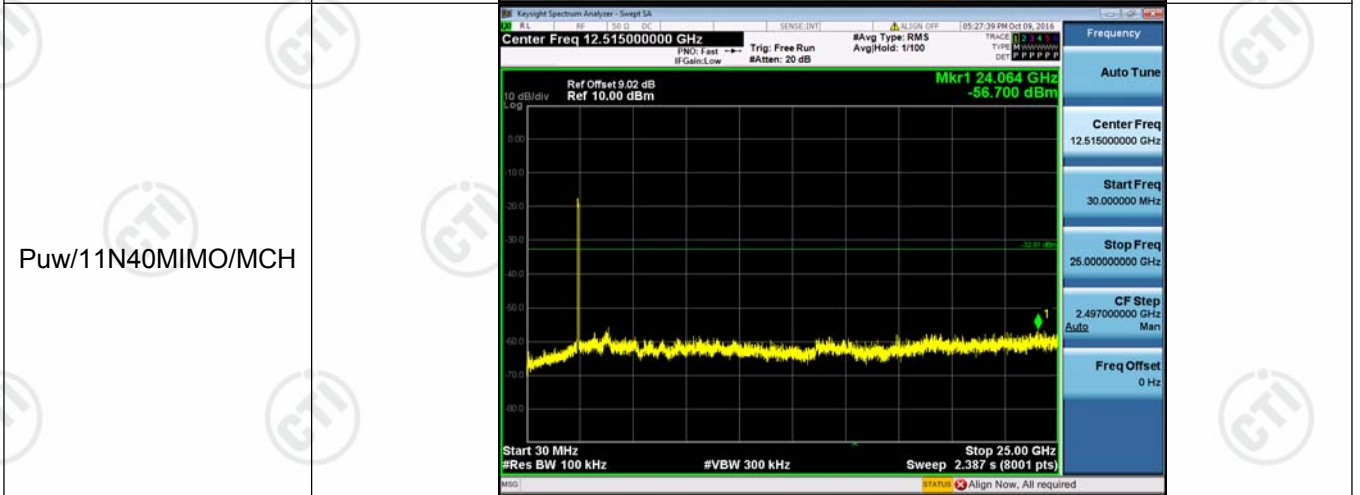
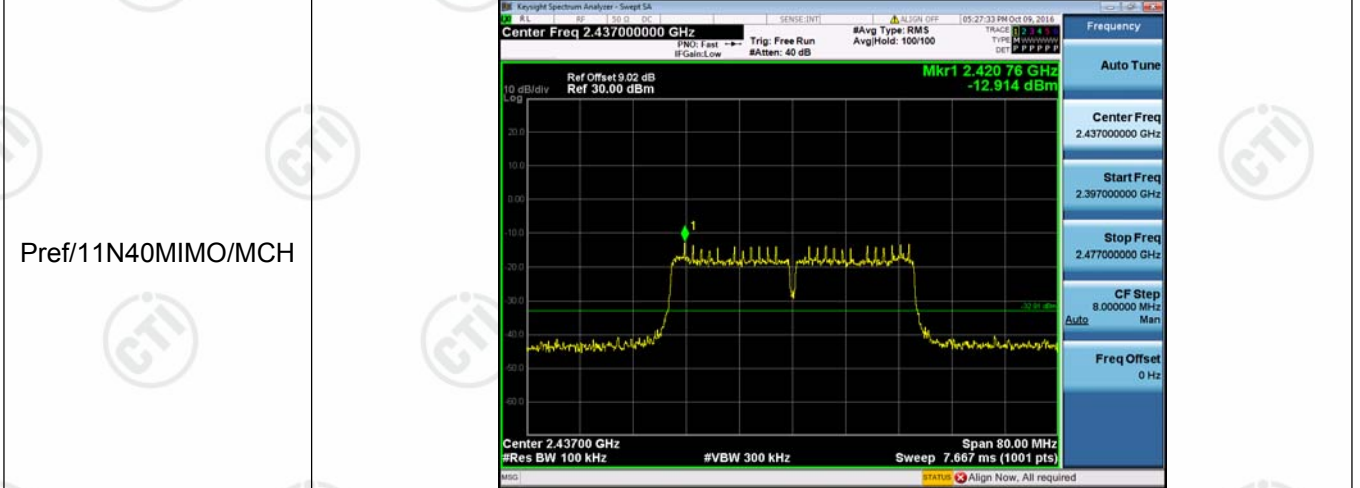


11N40MIMO\_Ant2\_LCH\_Graphs

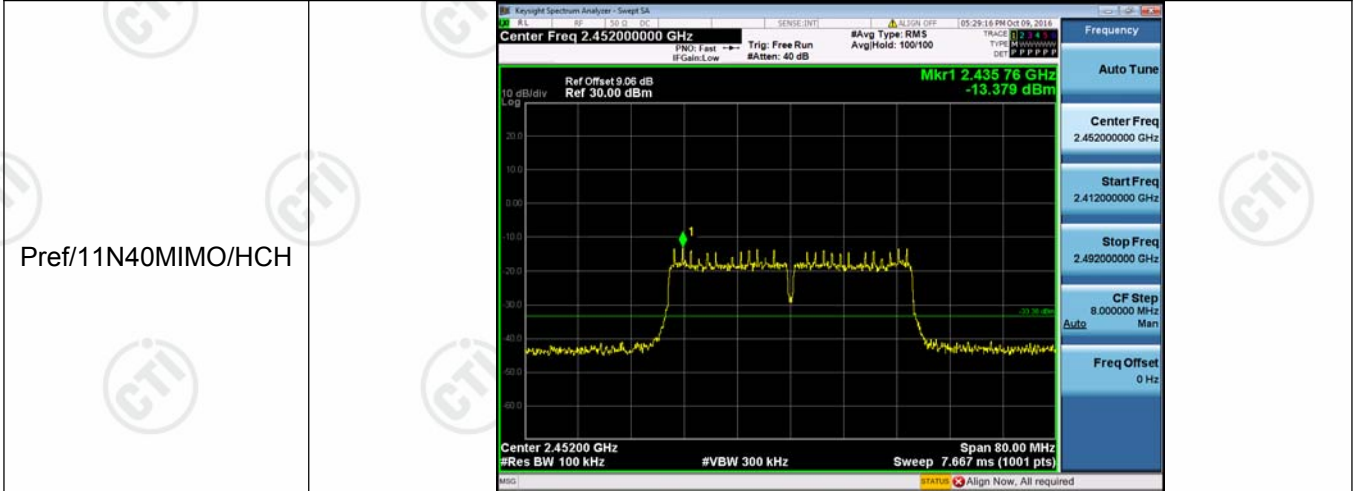


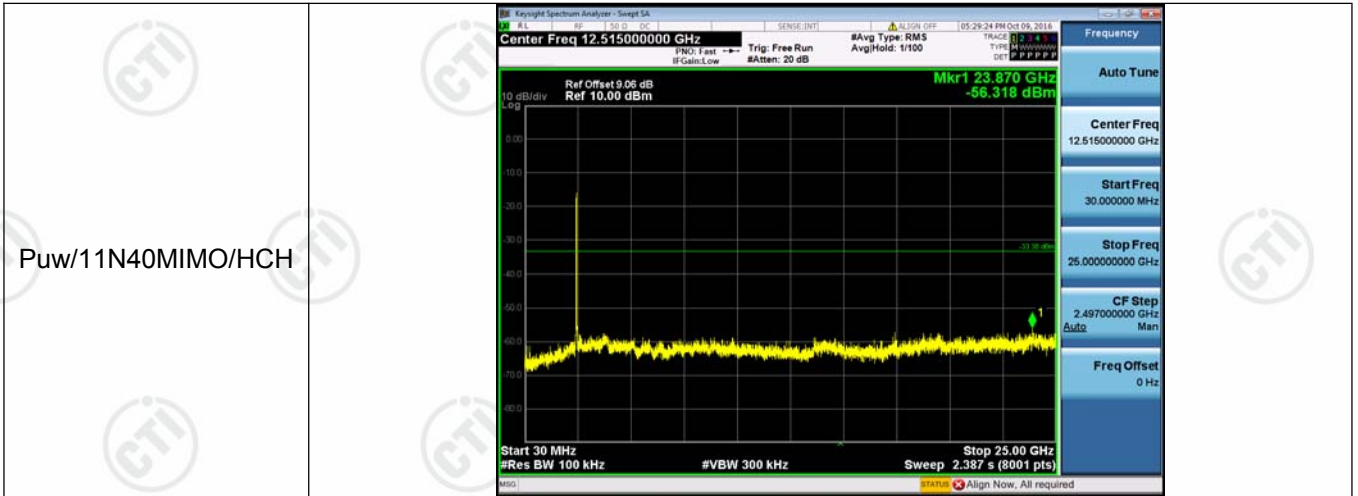


11N40MIMO\_Ant2\_MCH\_Graphs



11N40MIMO\_Ant1\_HCH\_Graphs





11N40MIMO Ant2\_HCH Graphs

