

## POWER SPECTRAL DENSITY

**FCC 15.247**

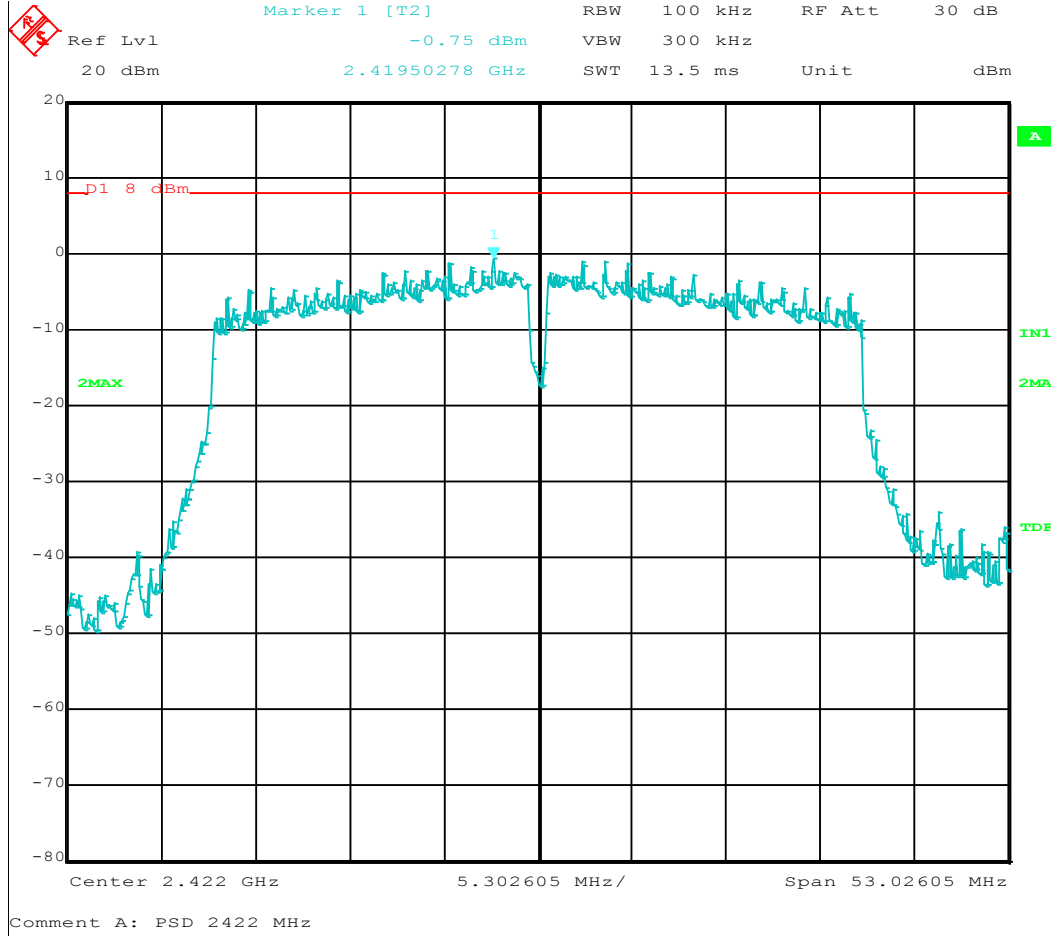
Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Mode: 802.11n  
Antenna: 2

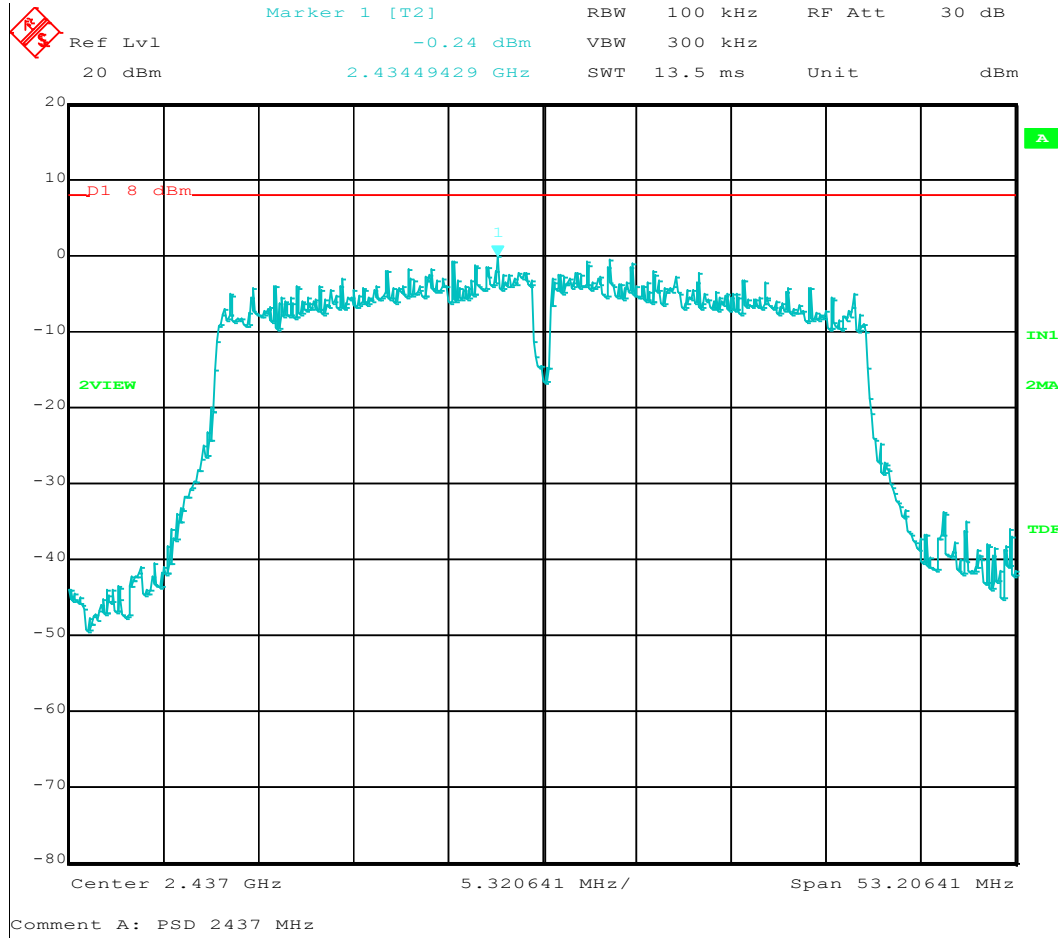
Date: 1/29/2018  
Lab: P  
Test ENG: Torey Oliver

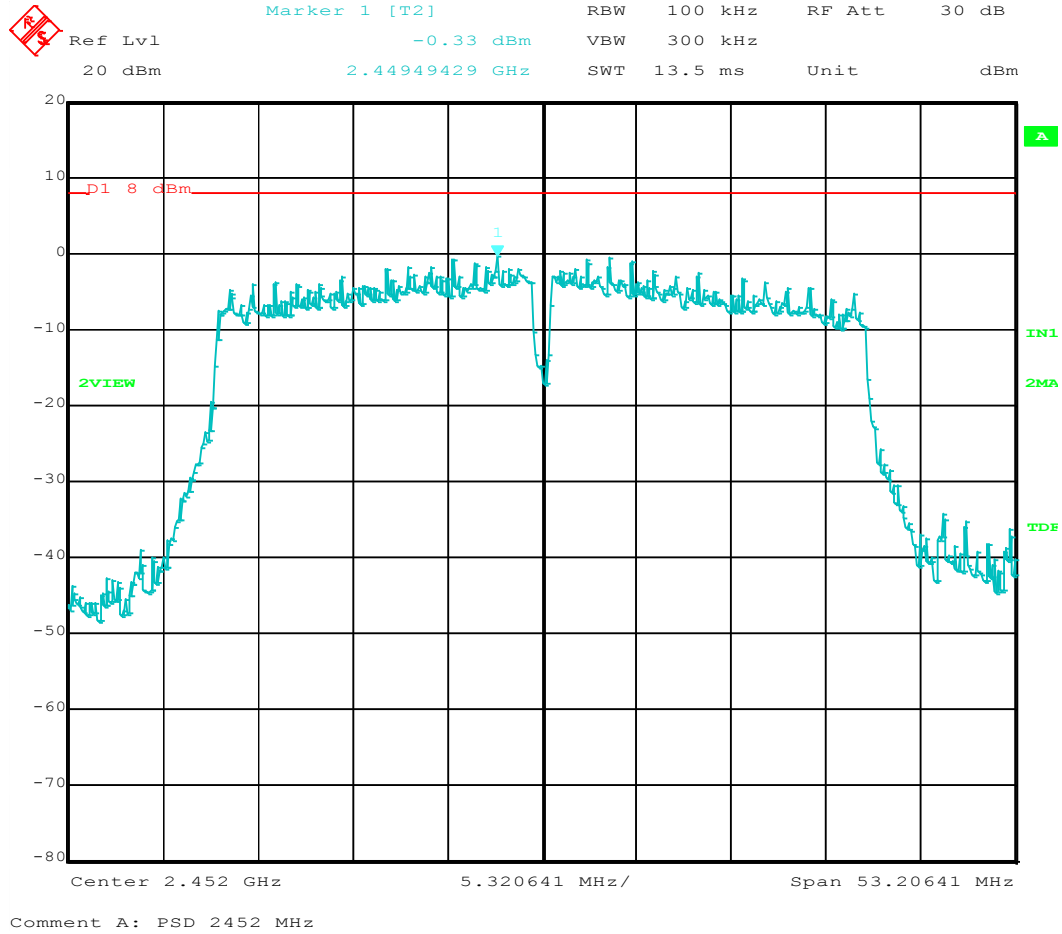
**Compatible Electronics, Inc. FAC-3 ( Lab P )**

DTS Bandwidth

Freq. (MHz)	Peak (dBm)	Limit (dBm)	Margin (dB)	Peak / QP / Avg	Comments
2422	-0.75	8.00	-8.75	Peak	
2437	-0.24	8.00	-8.24	Peak	
2452	-0.33	8.00	-8.33	Peak	







***HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY  
BANDS (IN 100KHZ BANDWIDTH) / CONDUCTED***

***DATA SHEETS***

***802.11b***

***ANTENNA 1***

## ***HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Mode: 802.11b  
Antenna: 1

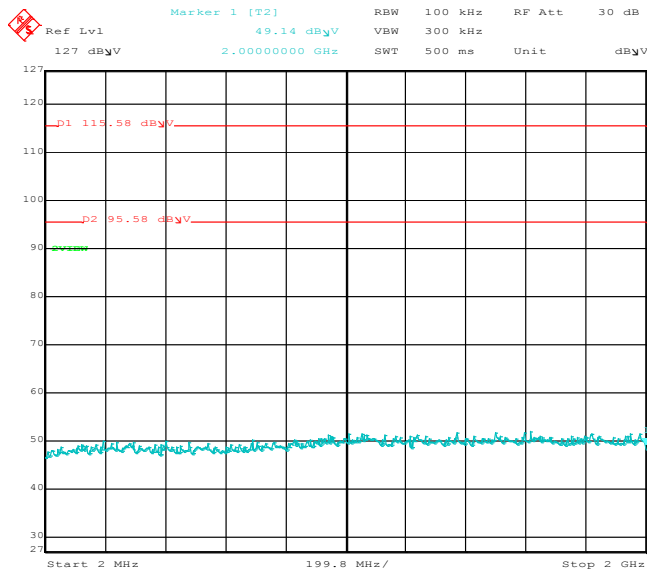
Date: 10/25/2017  
Lab: P  
Test ENG: Jorge Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

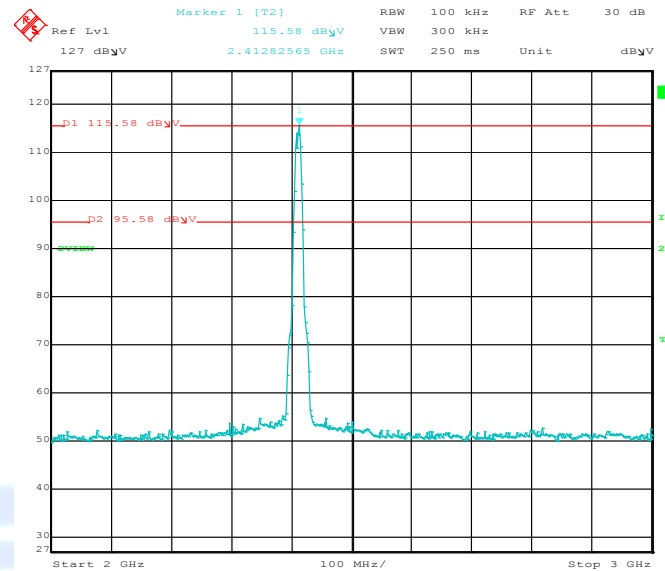
Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Peak / QP / Avg	Comments
13697.39	56.16	93.16	-37.00	Peak	Mid Channel
13727.45	56.89	96.01	-39.12	Peak	High Channel



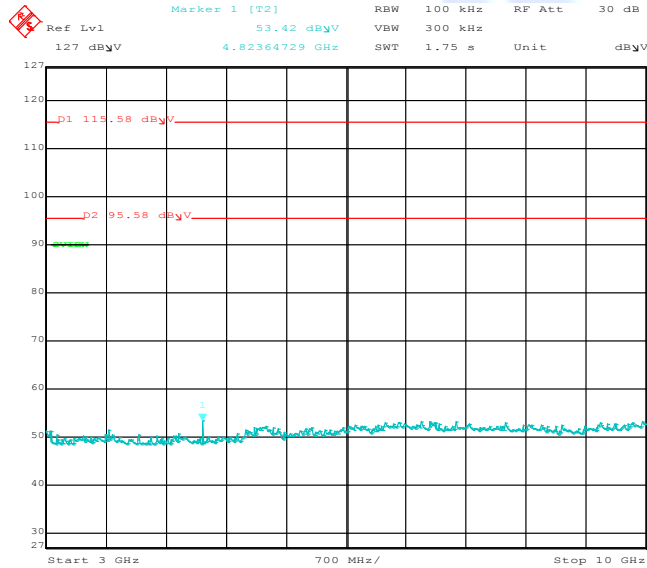
# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS LOW CHANNEL



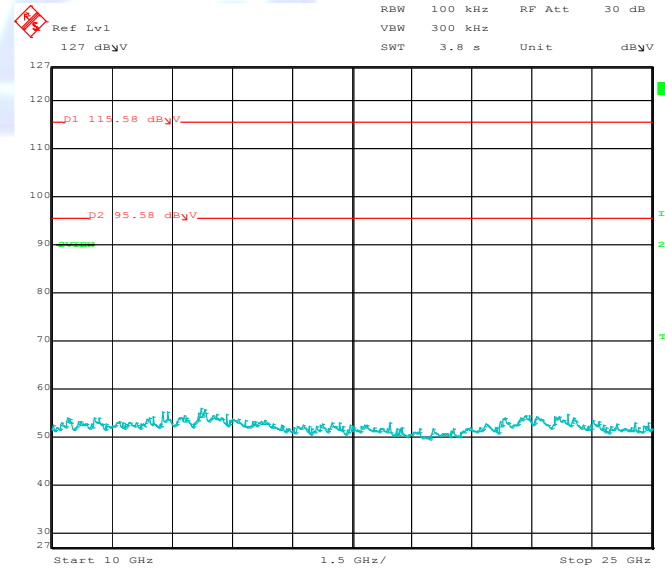
Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions

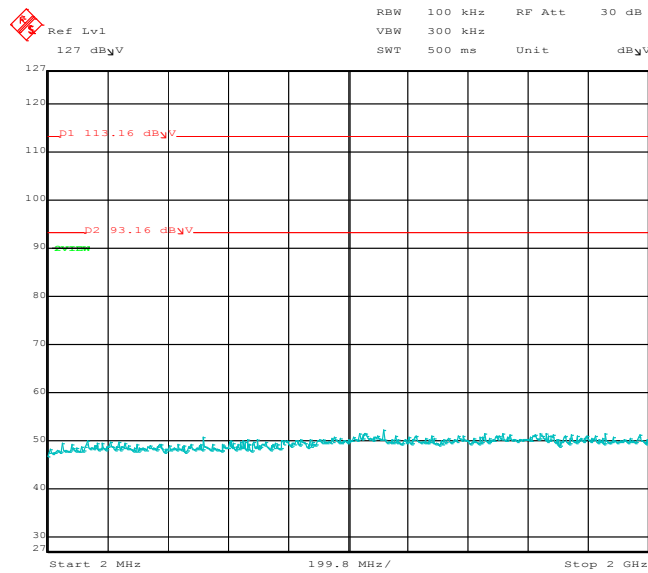


Comment A: Conducted Spurious Emissions

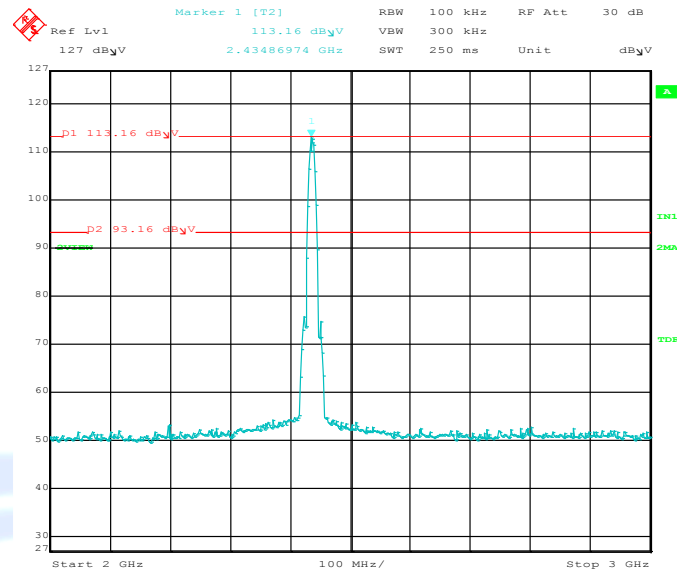


Comment A: Conducted Spurious Emissions

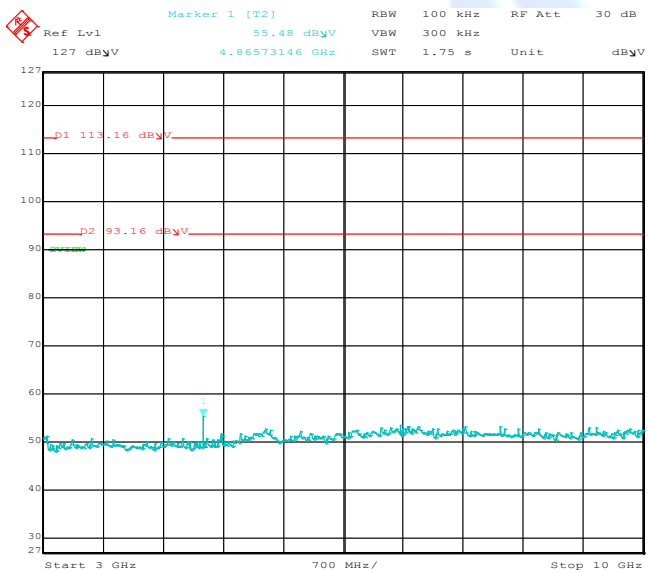
# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS MID CHANNEL



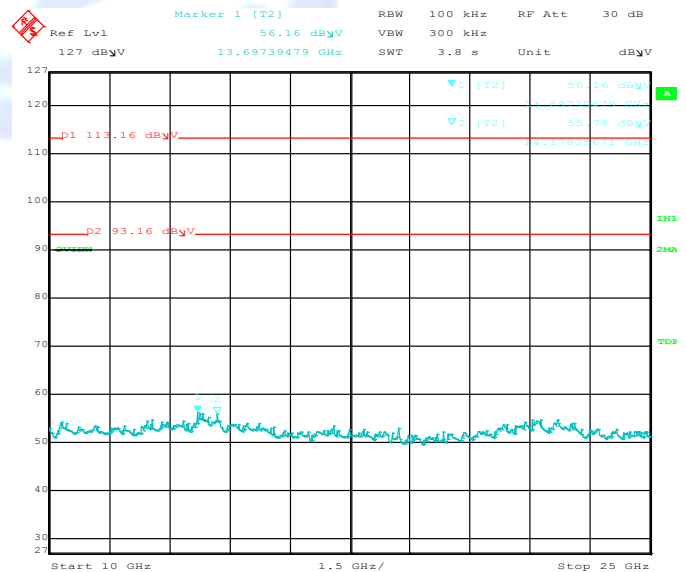
Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions



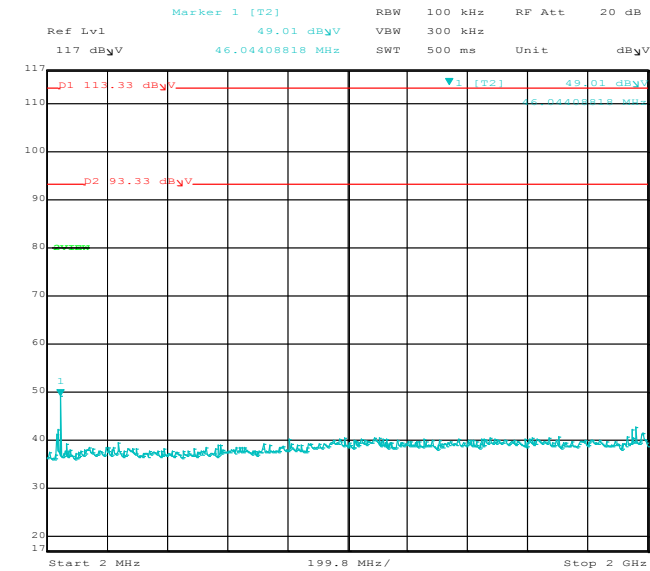
Comment A: Conducted Spurious Emissions



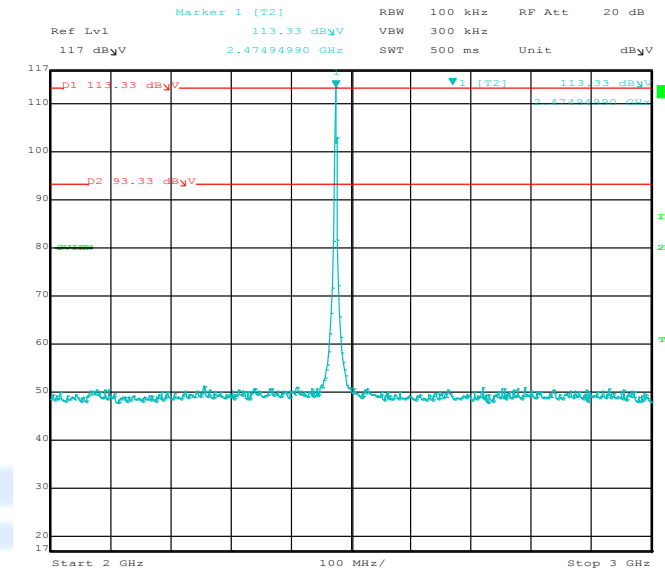
Comment A: Conducted Spurious Emissions



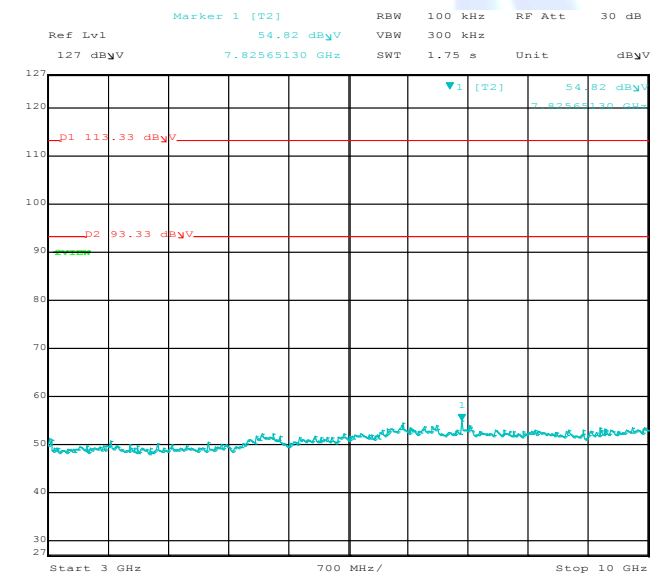
# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS HIGH CHANNEL



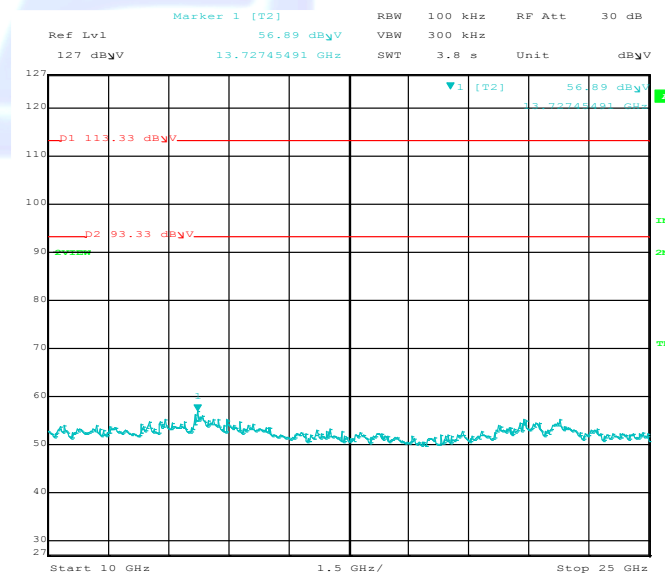
Comment A: Conducted Spurious Emissions



Comment A: Spurious Reference Level



Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions

***HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY  
BANDS (IN 100KHZ BANDWIDTH) / CONDUCTED***

***DATA SHEETS***

***802.11b***

***ANTENNA 2***

## ***HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Mode: 802.11b  
Antenna: 2

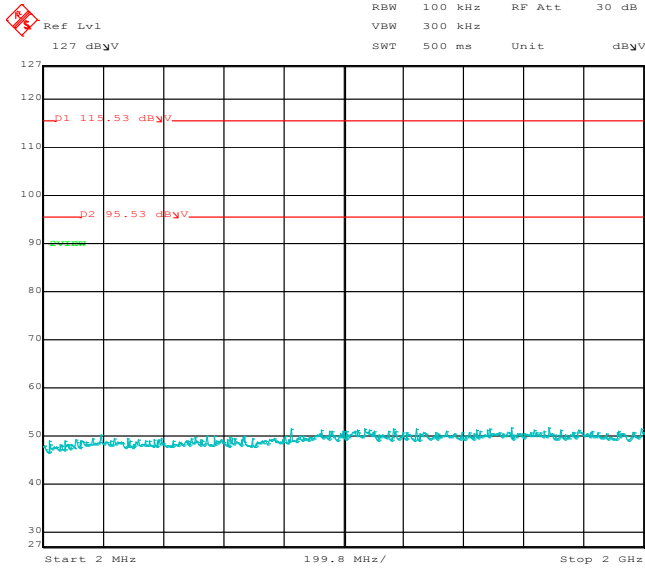
Date: 10/25/2017  
Lab: P  
Test ENG: Jorge Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

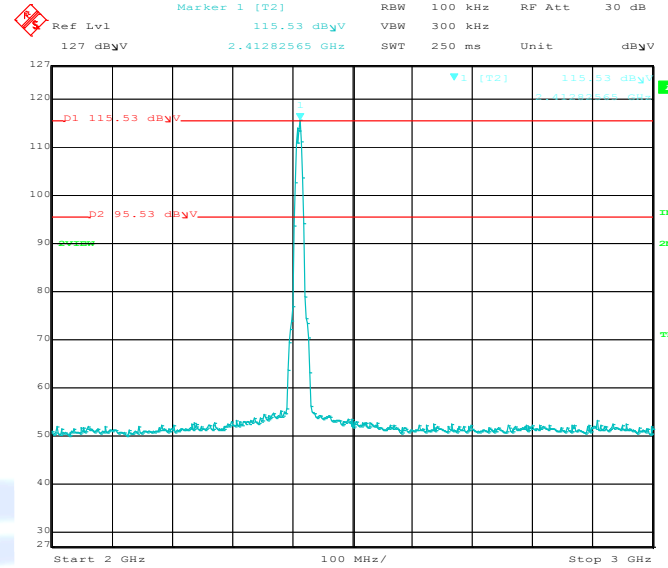
Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Peak / QP / Avg	Comments
22685.37	55.50	95.53	-40.03	Peak	Low Channel



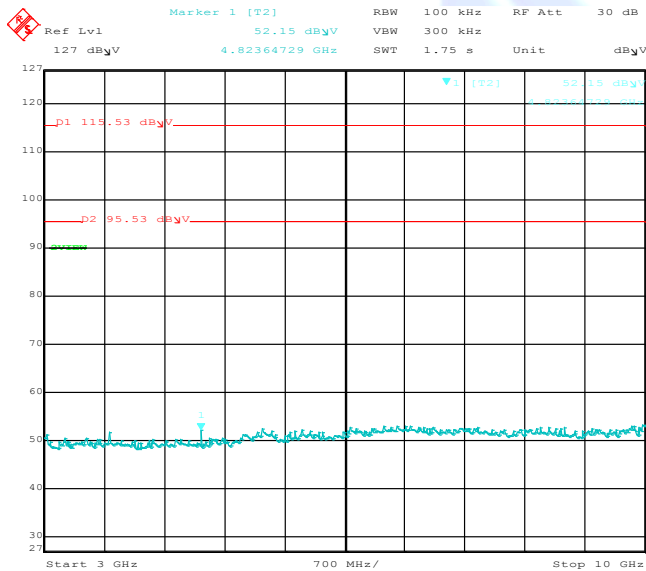
# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS LOW CHANNEL



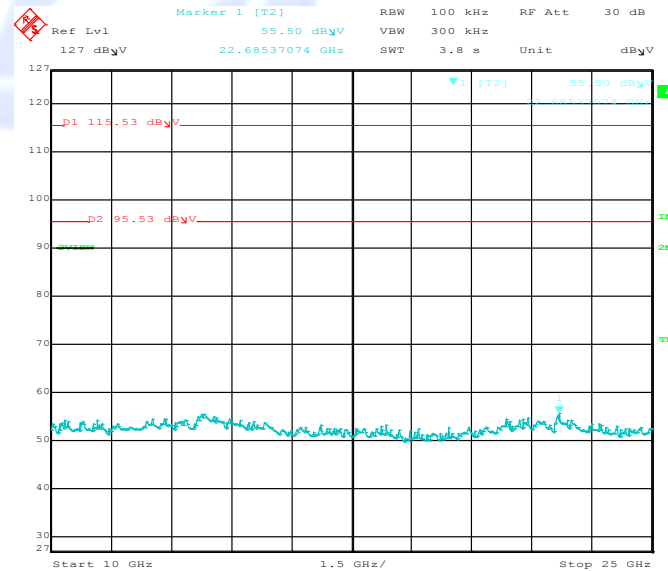
Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions

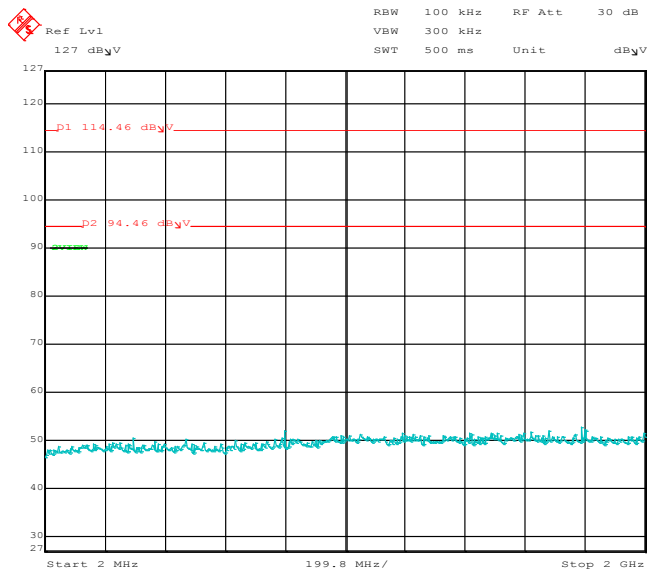


Comment A: Conducted Spurious Emissions

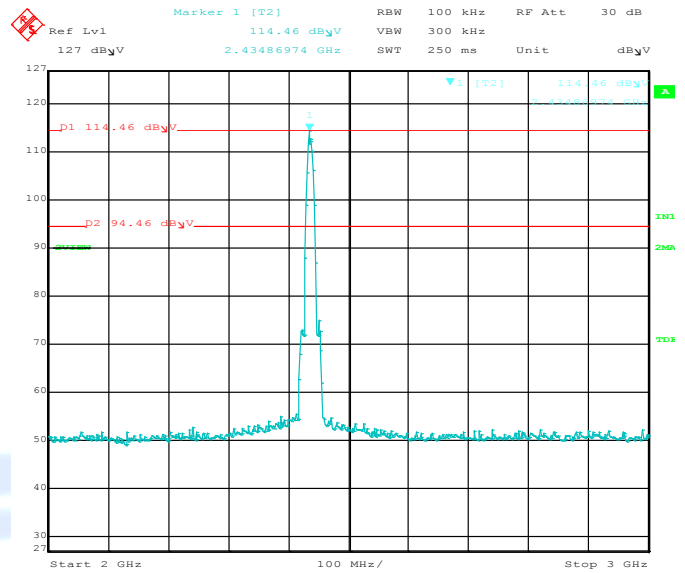


Comment A: Conducted Spurious Emissions

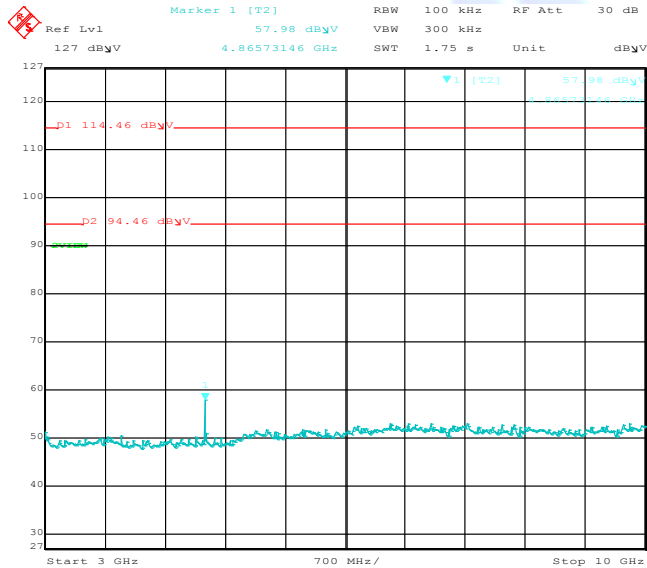
# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS MID CHANNEL



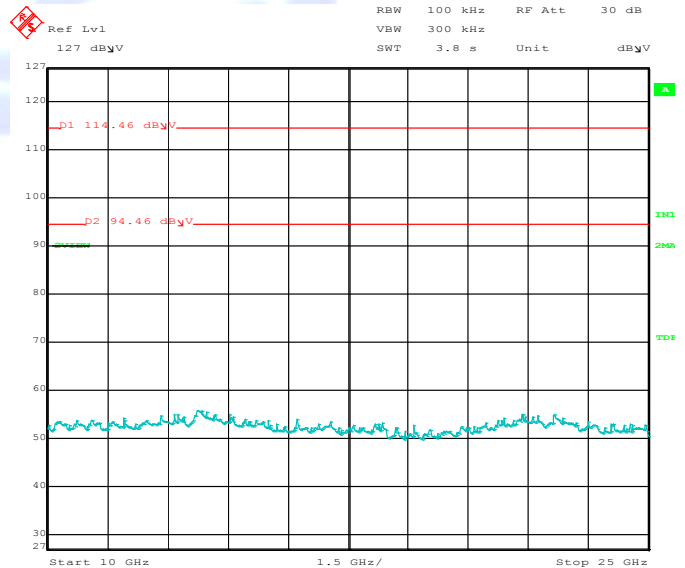
Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions

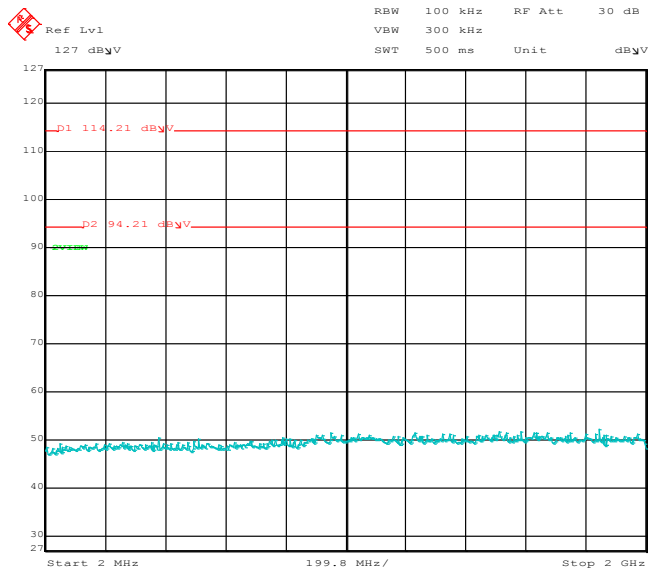


Comment A: Conducted Spurious Emissions

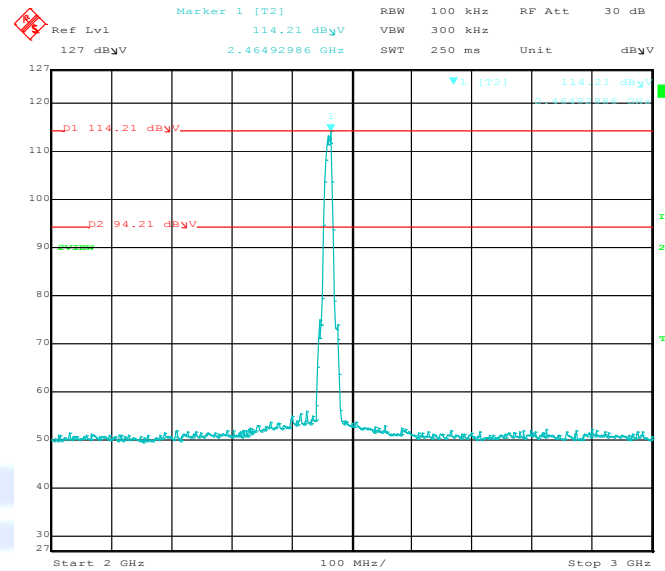


Comment A: Conducted Spurious Emissions

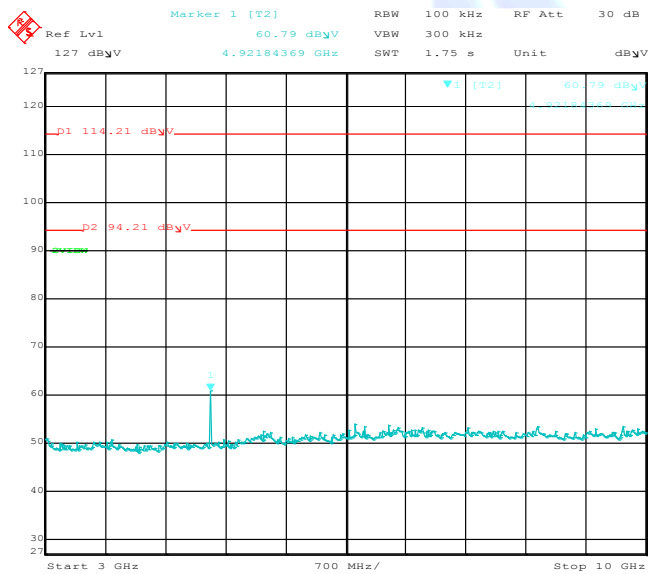
# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS HIGH CHANNEL



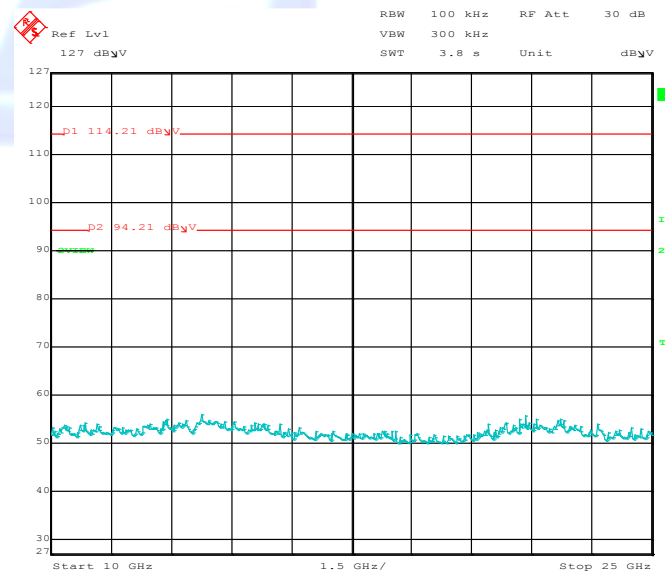
Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions

***HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY  
BANDS (IN 100KHZ BANDWIDTH) / CONDUCTED***

***DATA SHEETS***

***802.11g***

***ANTENNA 1***

## ***HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Mode: 802.11g  
Antenna: 1

Date: 10/25/2017  
Lab: P  
Test ENG: Jorge Reyes

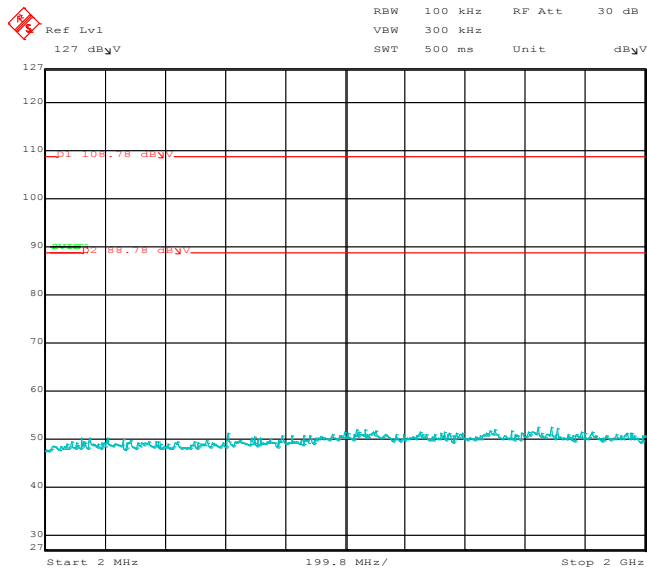
**Compatible Electronics, Inc. FAC-3 ( Lab P )**

<b>Freq. (MHz)</b>	<b>Level (dBuV)</b>	<b>Limit (dBuV)</b>	<b>Margin (dB)</b>	<b>Peak / QP / Avg</b>	<b>Comments</b>
8218.44	54.34	88.78	-34.44	Peak	Low Channel
13727.45	56.95	88.99	-32.04	Peak	Mid Channel

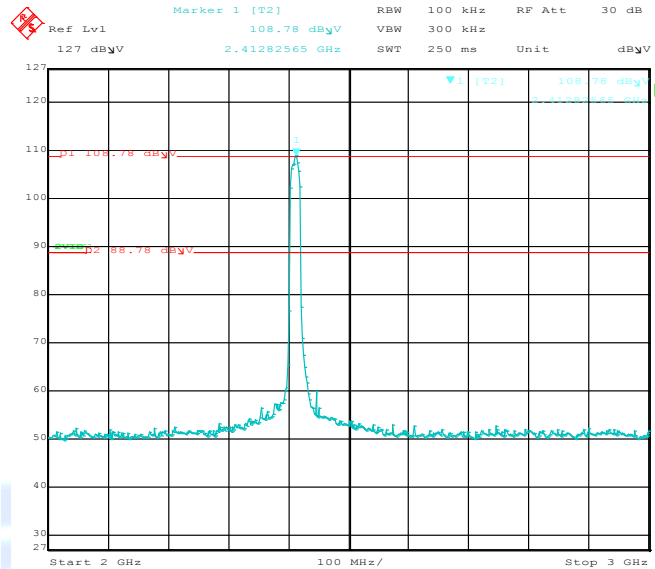




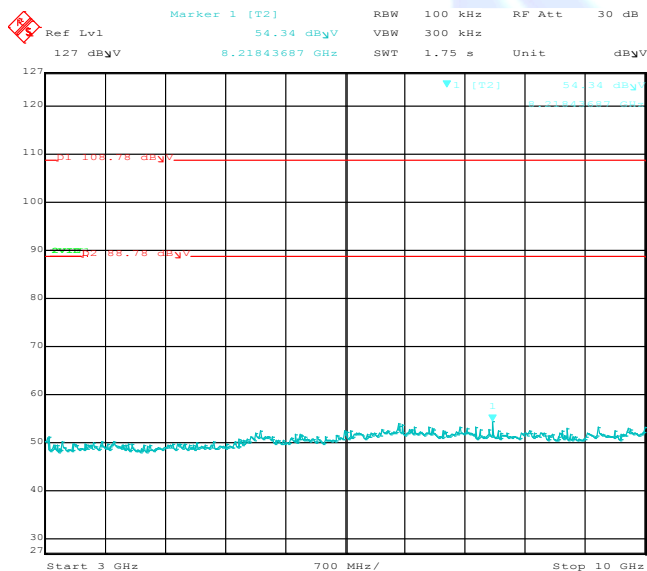
# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS LOW CHANNEL



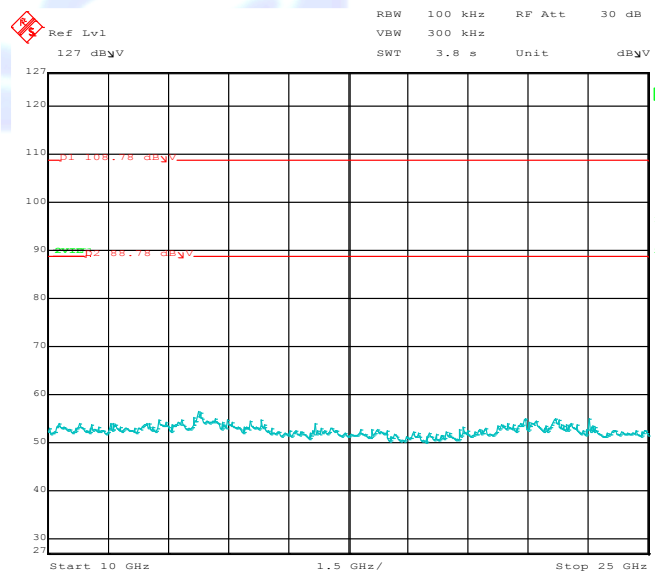
Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions

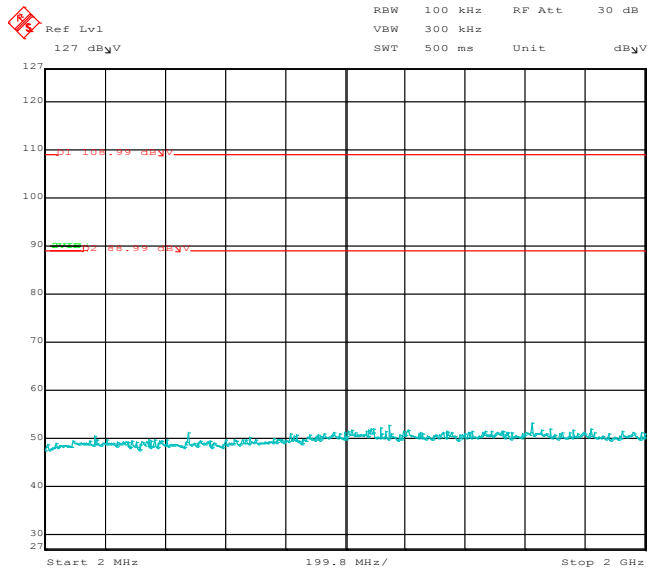


Comment A: Conducted Spurious Emissions

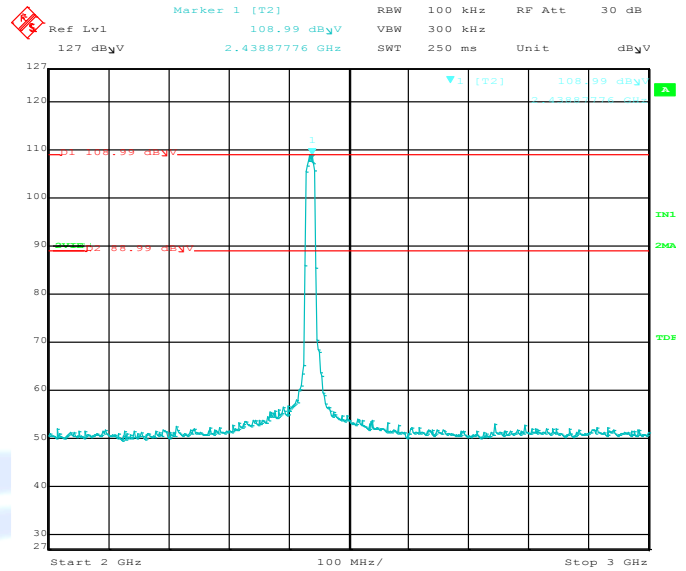


Comment A: Conducted Spurious Emissions

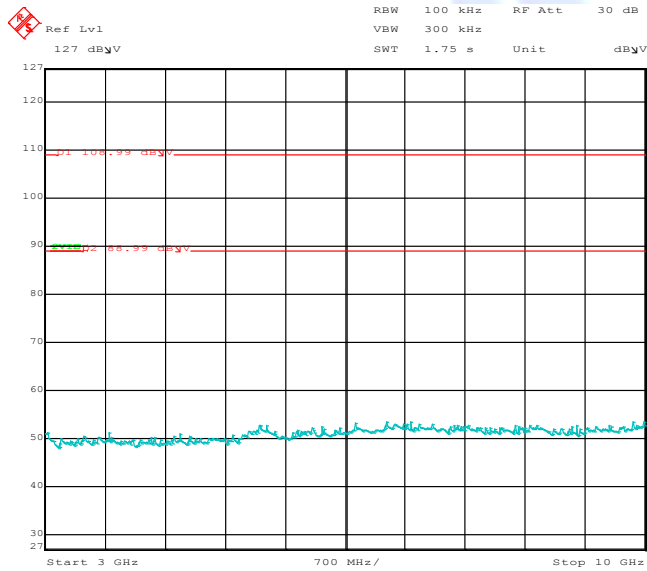
# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS MID CHANNEL



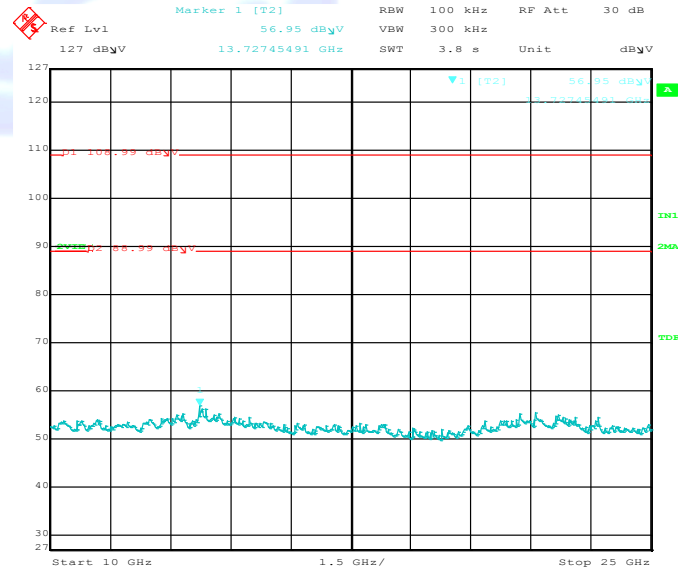
Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions

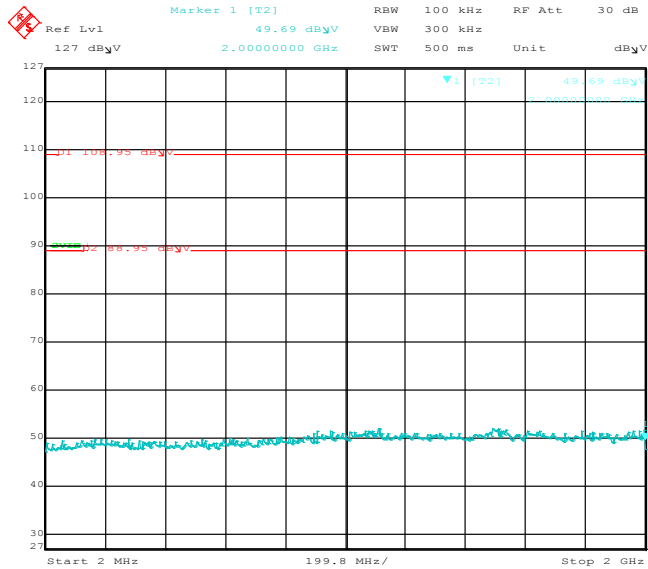


Comment A: Conducted Spurious Emissions

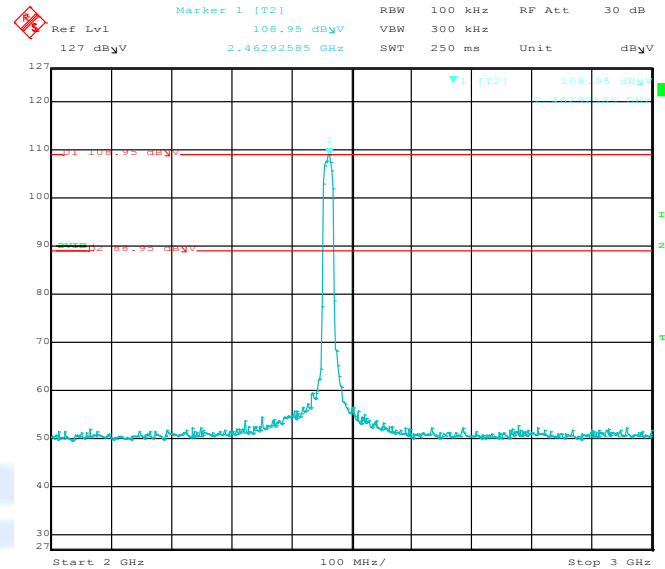


Comment A: Conducted Spurious Emissions

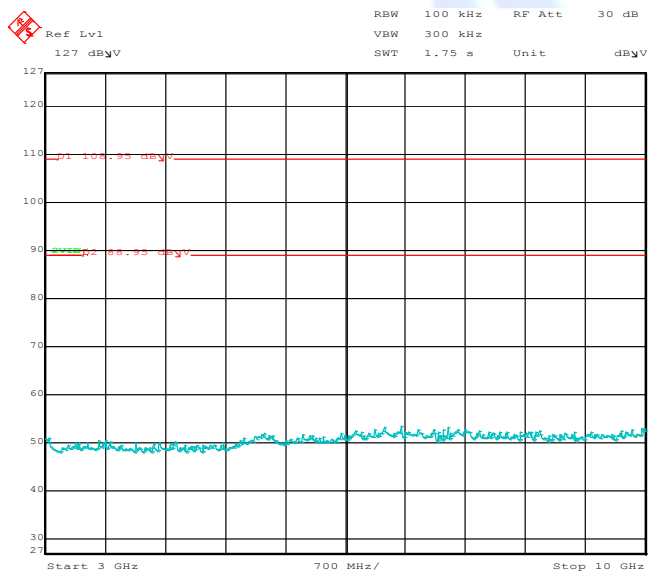
# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS HIGH CHANNEL



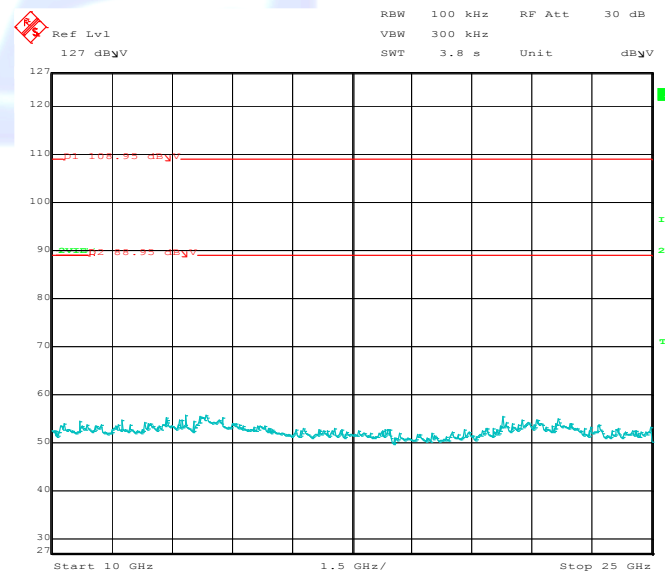
Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions

***HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY  
BANDS (IN 100KHZ BANDWIDTH) / CONDUCTED***

***DATA SHEETS***

***802.11g***

***ANTENNA 2***

## ***HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Mode: 802.11g  
Antenna: 2

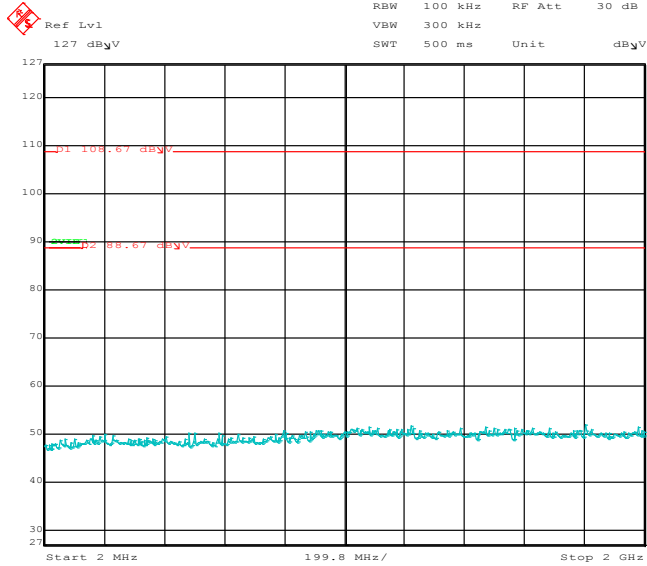
Date: 10/25/2017  
Lab: P  
Test ENG: Jorge Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

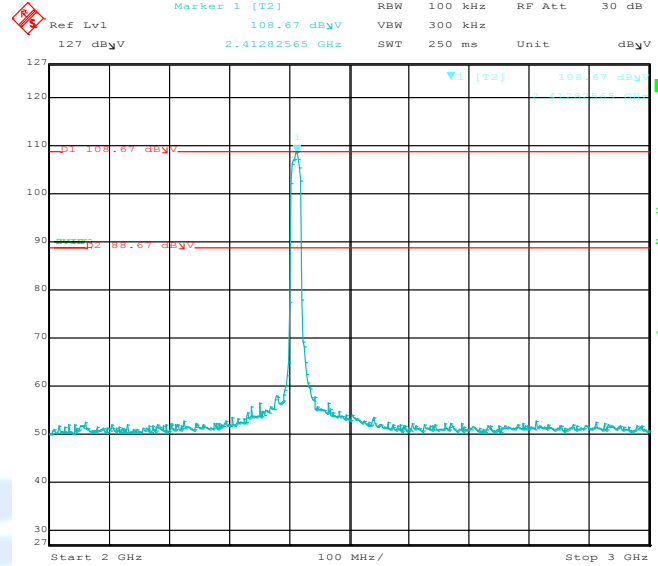
Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Peak / QP / Avg	Comments
13757.52	56.55	89.01	-32.46	Peak	Mid Channel
13817.65	56.78	89.00	-32.22	Peak	High Channel



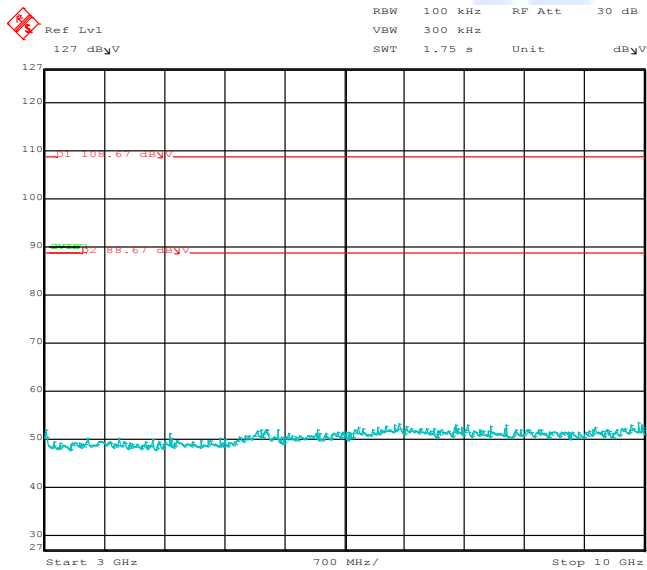
# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS LOW CHANNEL



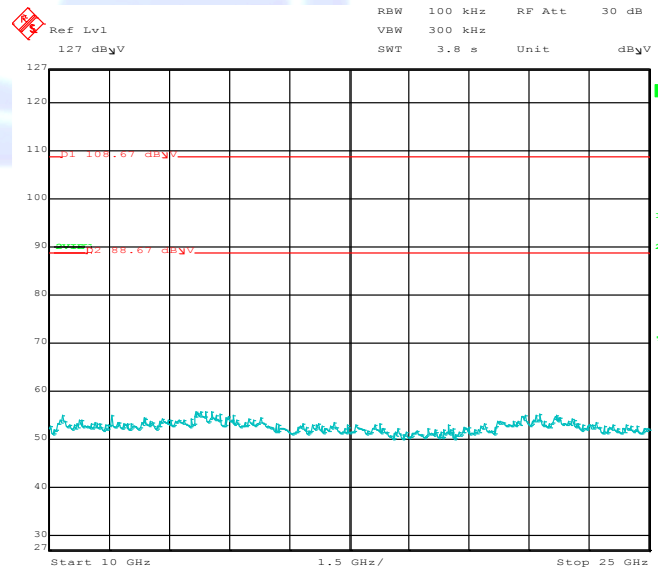
Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions

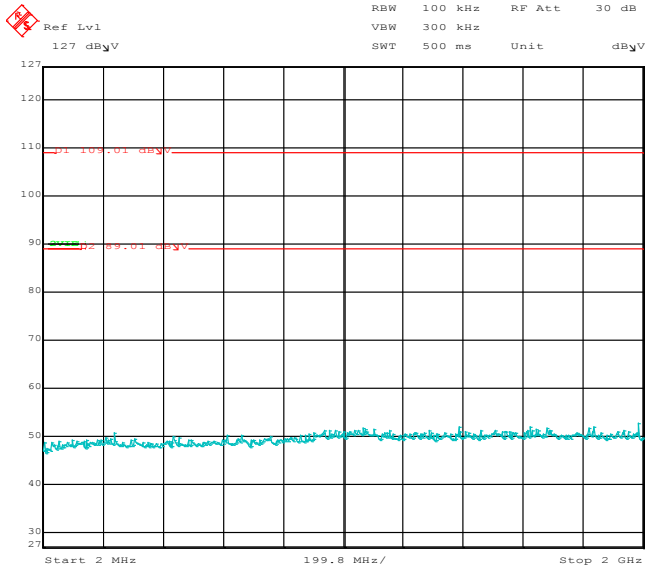


Comment A: Conducted Spurious Emissions

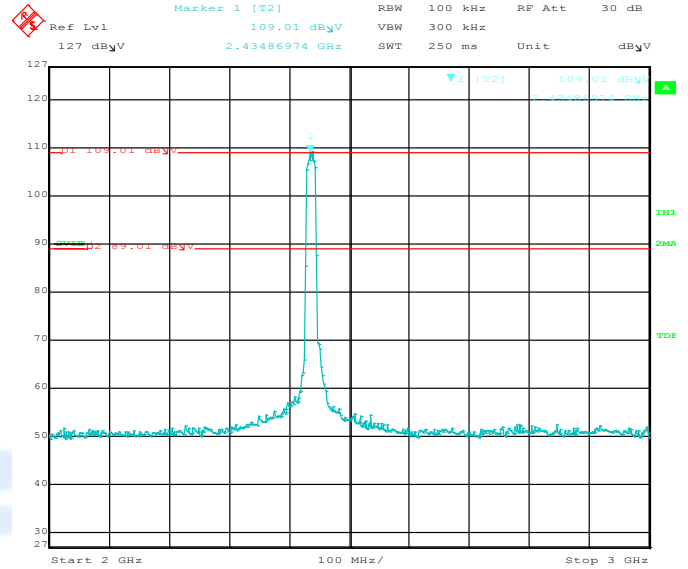


Comment A: Conducted Spurious Emissions

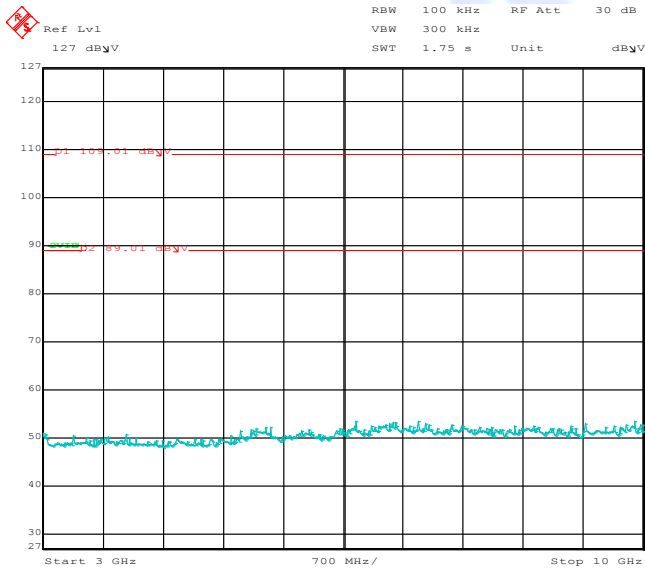
# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS MID CHANNEL



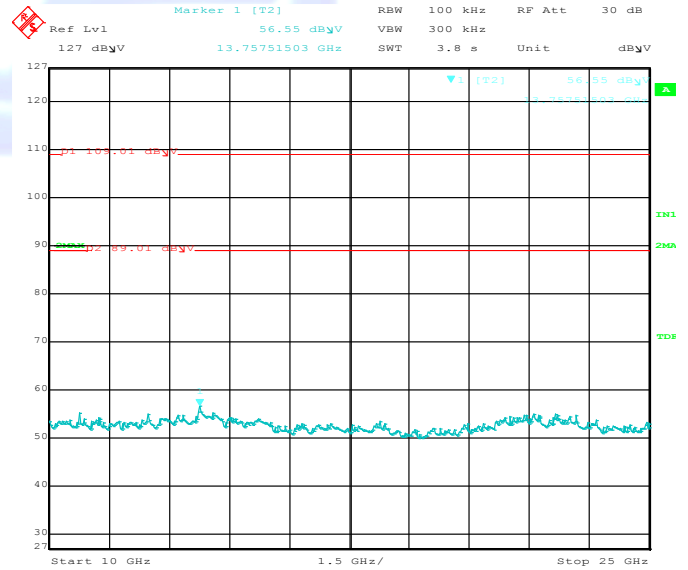
Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions

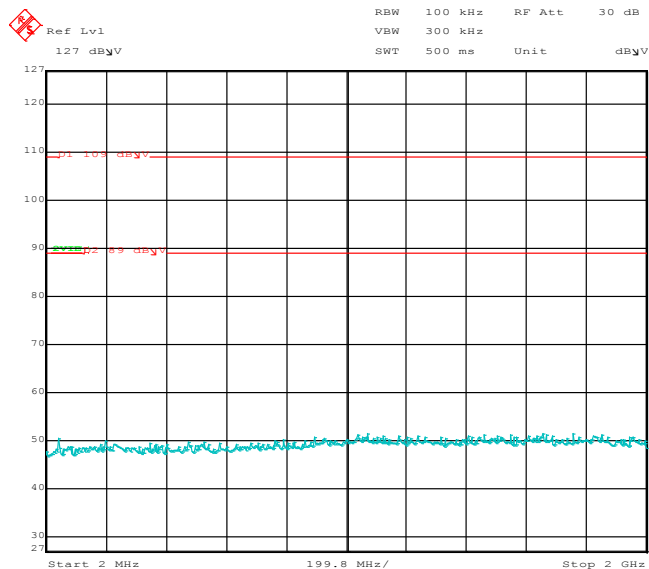


Comment A: Conducted Spurious Emissions

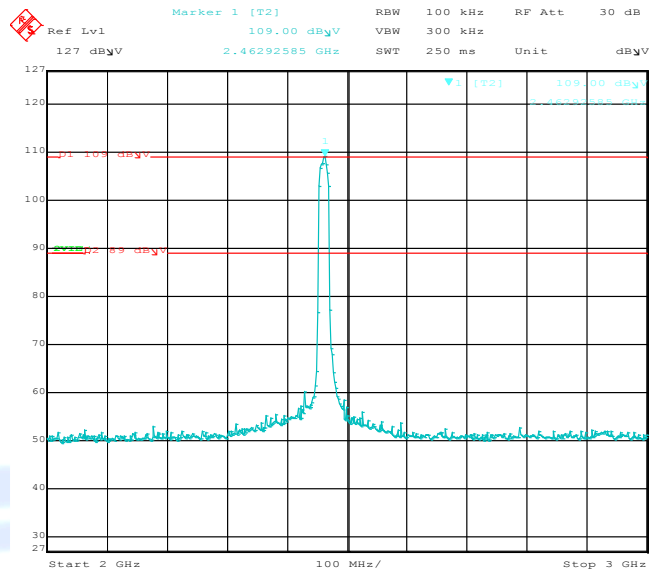


Comment A: Conducted Spurious Emissions

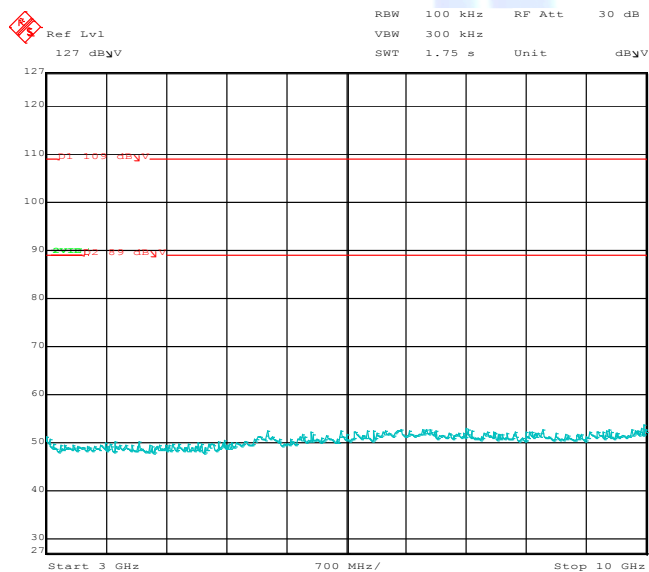
# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS HIGH CHANNEL



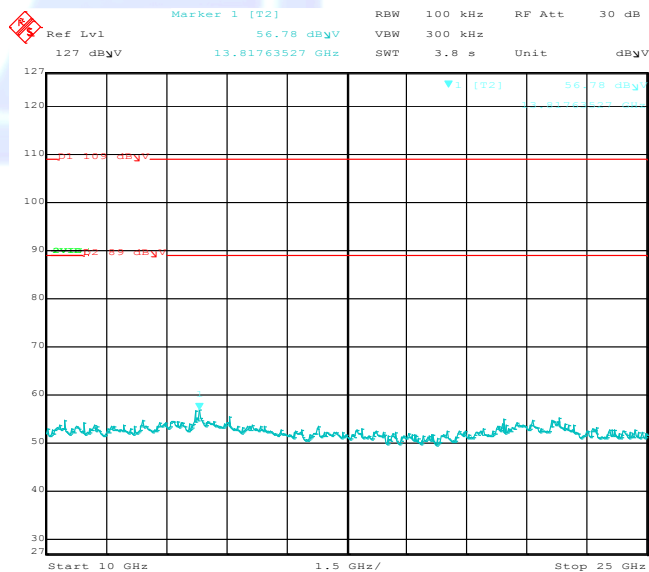
Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions



***HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY  
BANDS (IN 100KHZ BANDWIDTH) / CONDUCTED***

***DATA SHEETS***

***802.11n (20 MHz)***

***ANTENNA 1***

## ***HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Mode: 802.11n  
Antenna: 1

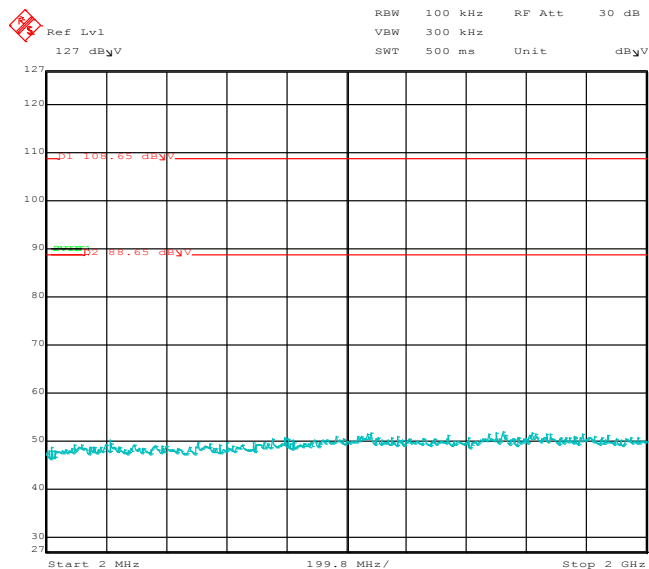
Date: 10/25/2017  
Lab: P  
Test ENG: Jorge Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

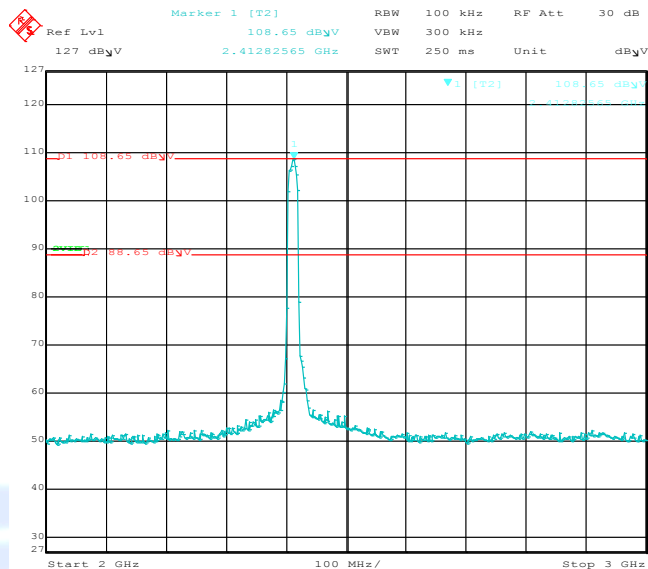
<b>Freq. (MHz)</b>	<b>Level (dBuV)</b>	<b>Limit (dBuV)</b>	<b>Margin (dB)</b>	<b>Peak / QP / Avg</b>	<b>Comments</b>
1943.94	51.81	88.92	-37.11	Peak	High Channel



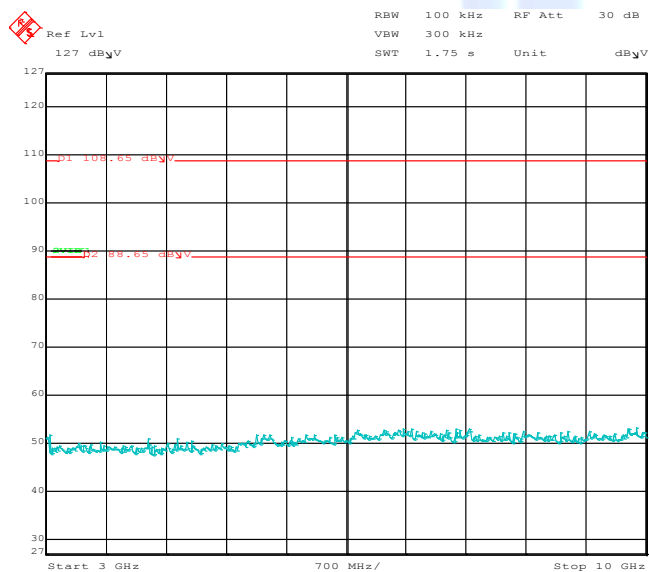
# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS LOW CHANNEL



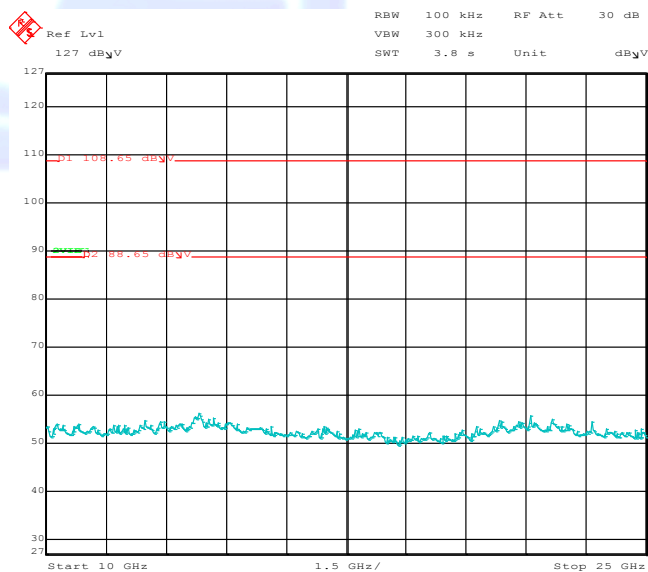
Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions

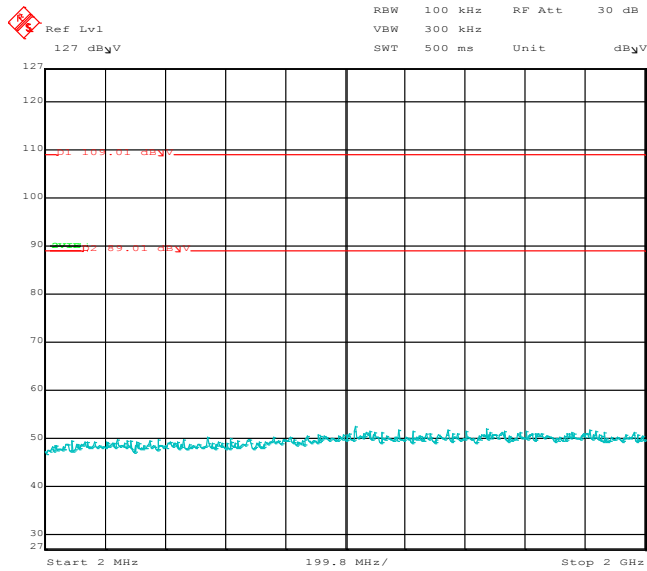


Comment A: Conducted Spurious Emissions

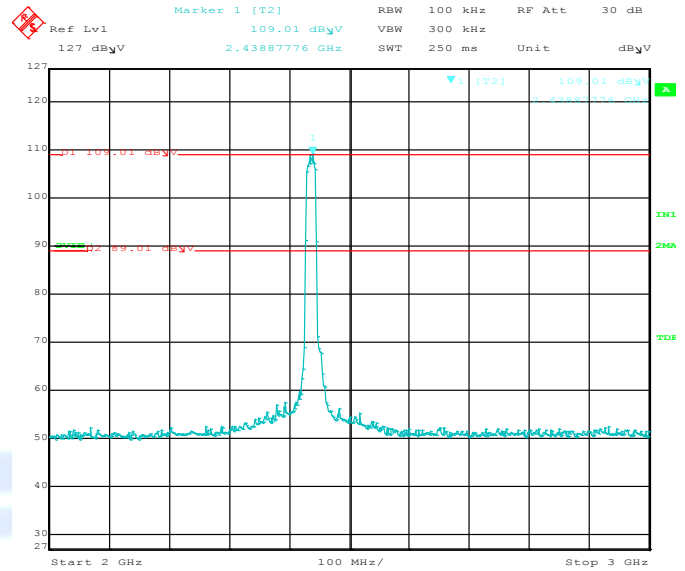


Comment A: Conducted Spurious Emissions

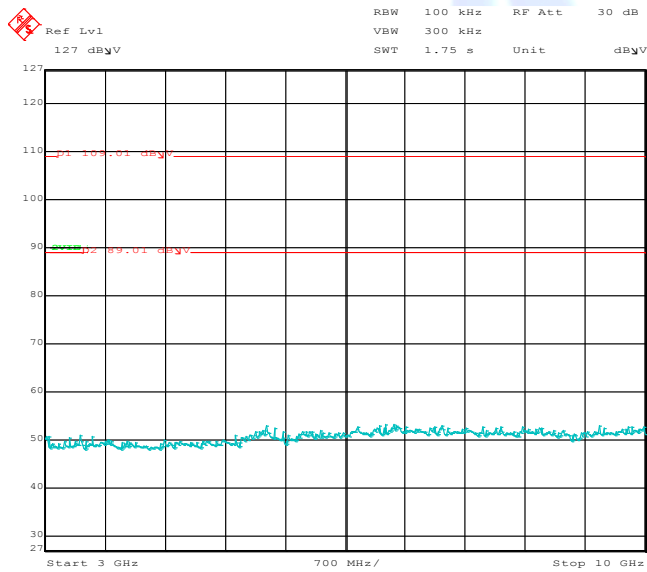
# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS MID CHANNEL



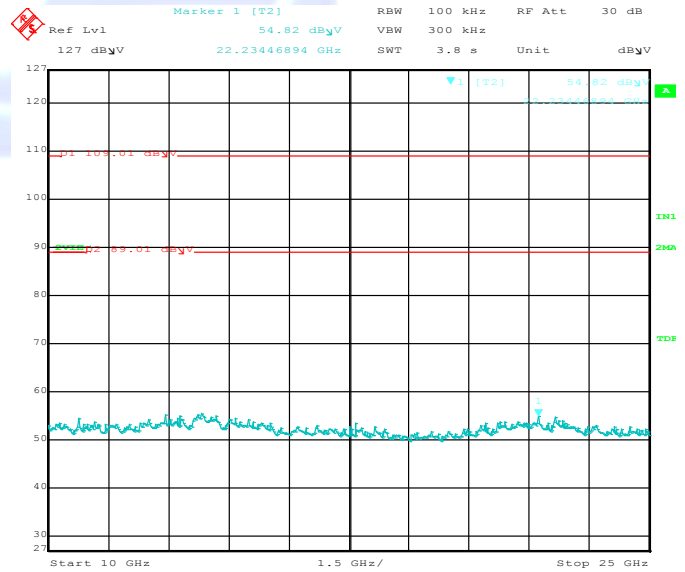
Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions

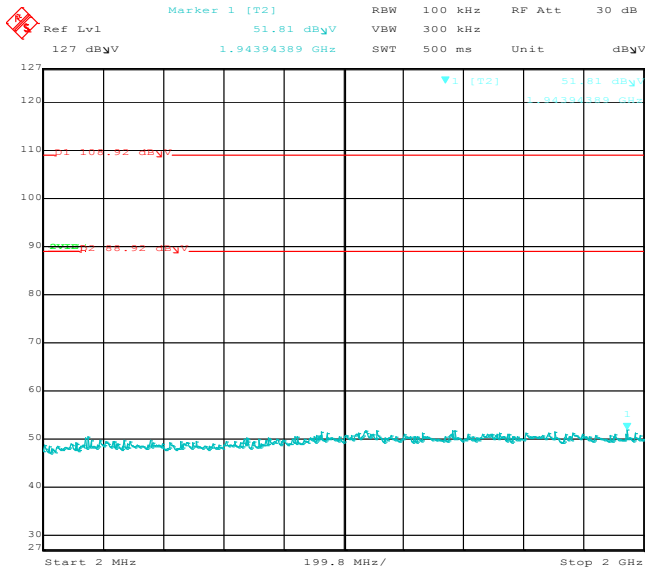


Comment A: Conducted Spurious Emissions

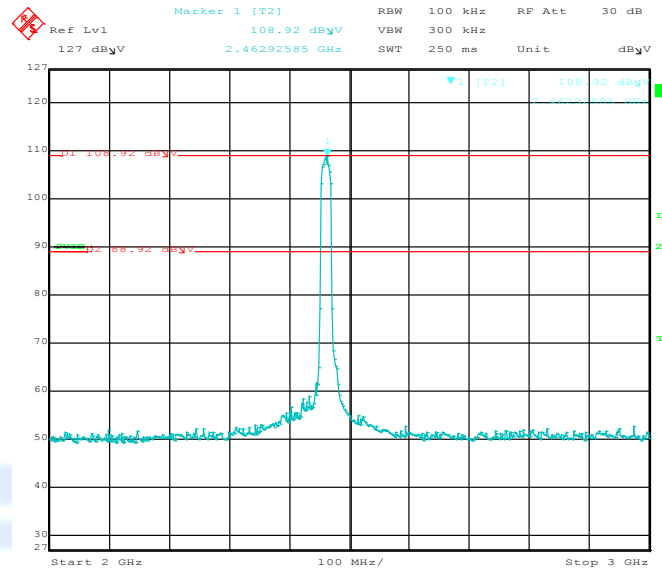


Comment A: Conducted Spurious Emissions

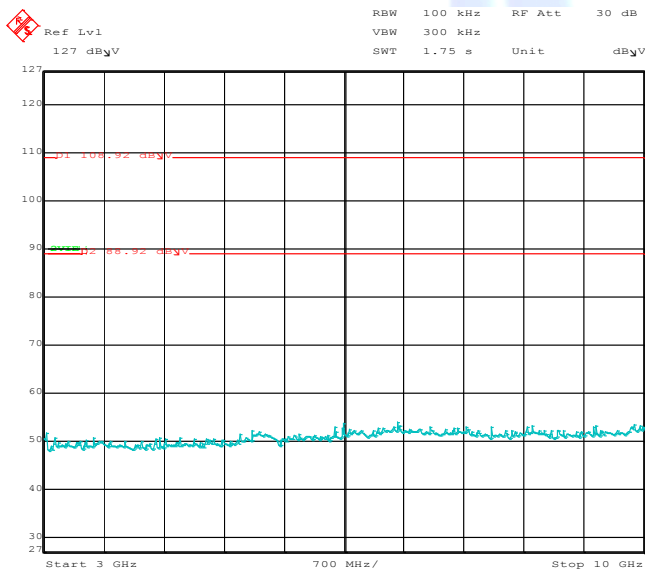
# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS HIGH CHANNEL



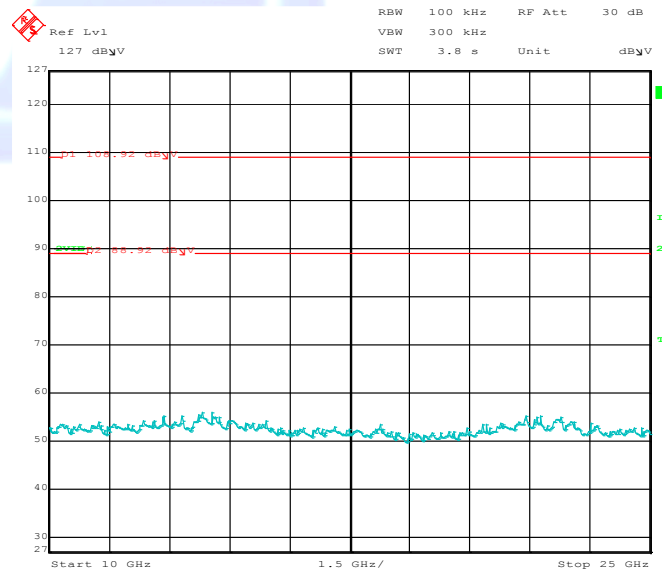
Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions

***HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY  
BANDS (IN 100KHZ BANDWIDTH) / CONDUCTED***

***DATA SHEETS***

***802.11n (20 MHz)***

***ANTENNA 2***

## ***HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Mode: 802.11n  
Antenna: 2

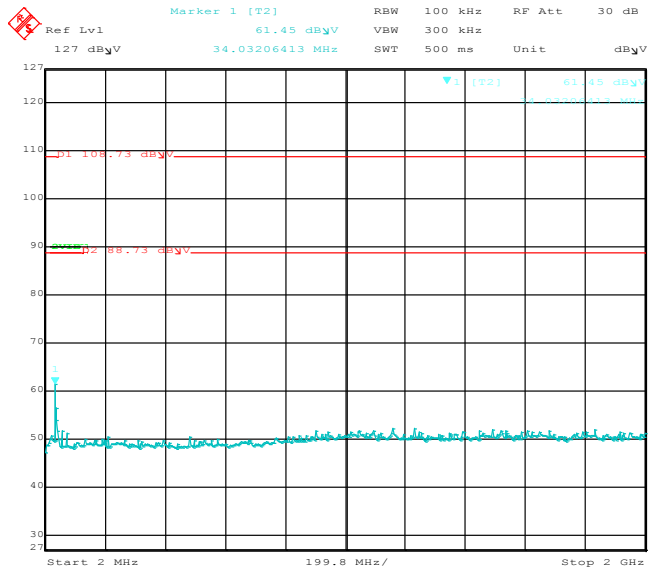
Date: 10/25/2017  
Lab: P  
Test ENG: Jorge Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

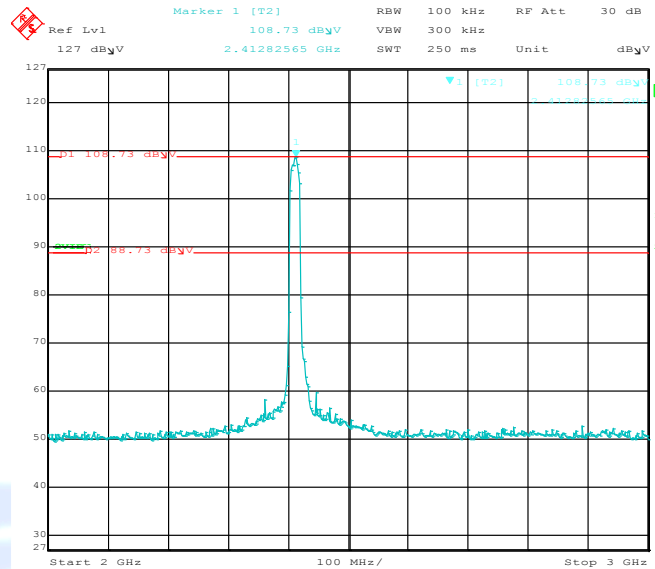
<b>Freq. (MHz)</b>	<b>Level (dBuV)</b>	<b>Limit (dBuV)</b>	<b>Margin (dB)</b>	<b>Peak / QP / Avg</b>	<b>Comments</b>
13877.76	56.56	88.73	-32.17	Peak	Low Channel
7124.25	54.06	89.04	-34.98	Peak	Mid Channel



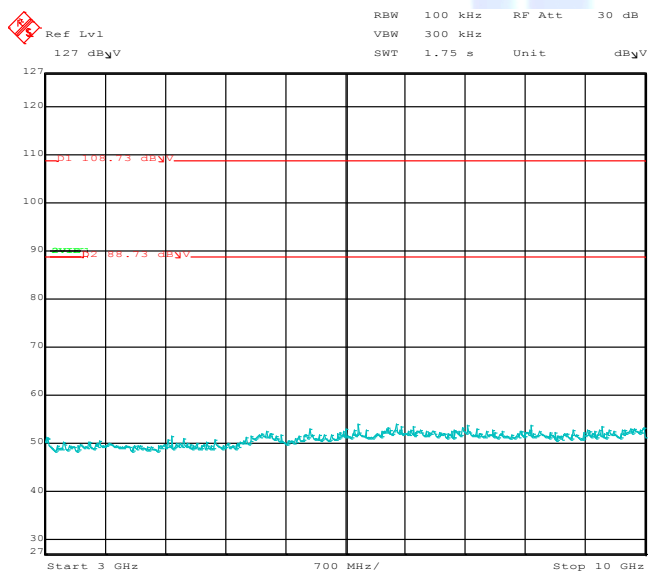
# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS LOW CHANNEL



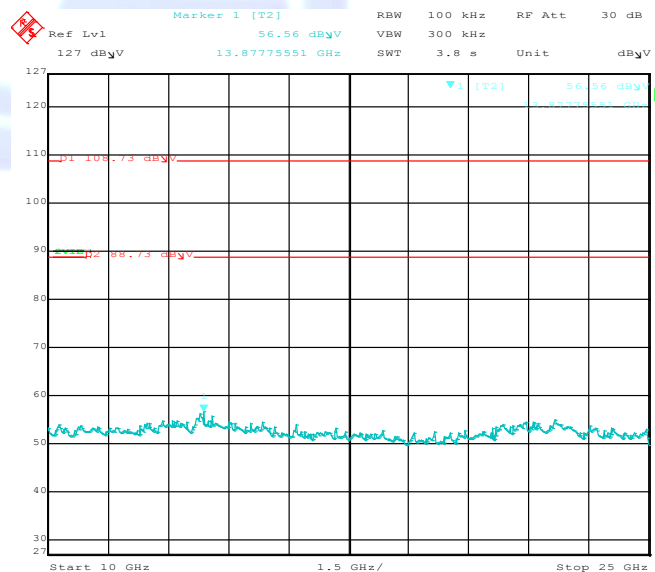
Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions



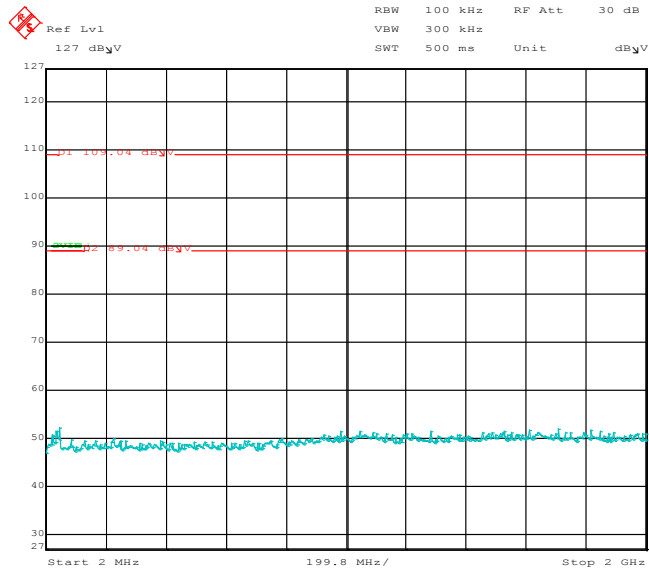
Comment A: Conducted Spurious Emissions



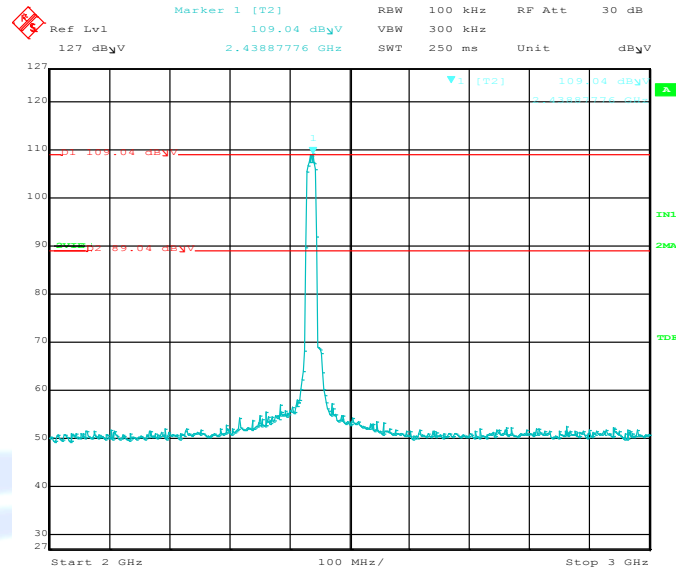
Comment A: Conducted Spurious Emissions



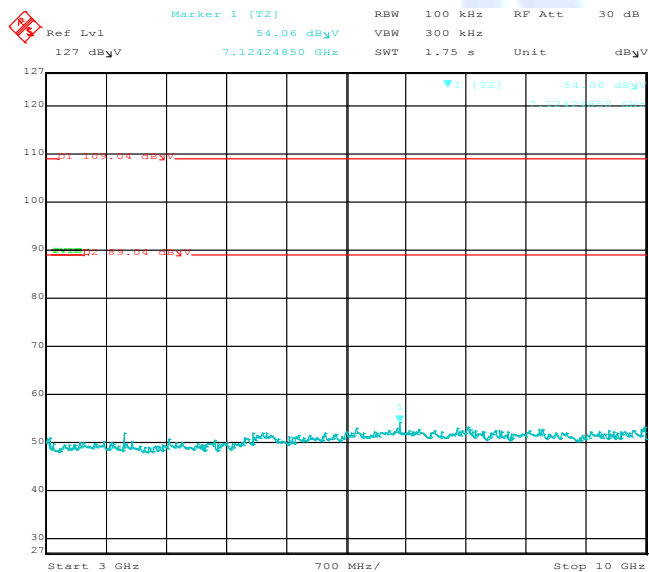
# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS MID CHANNEL



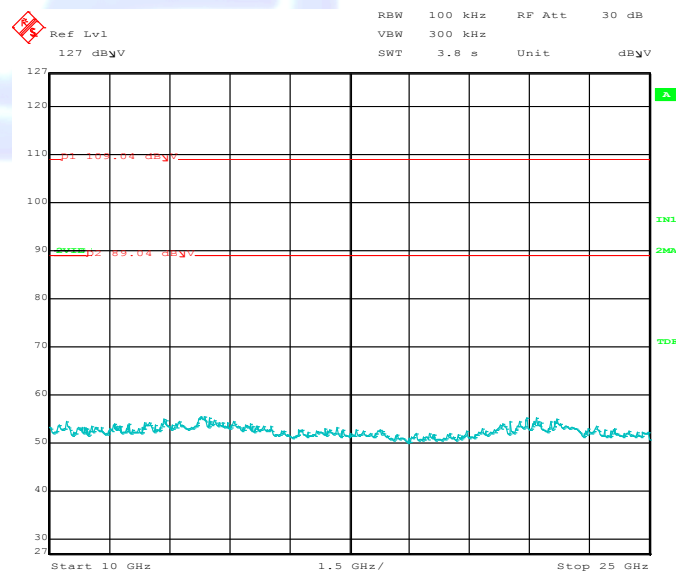
Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions

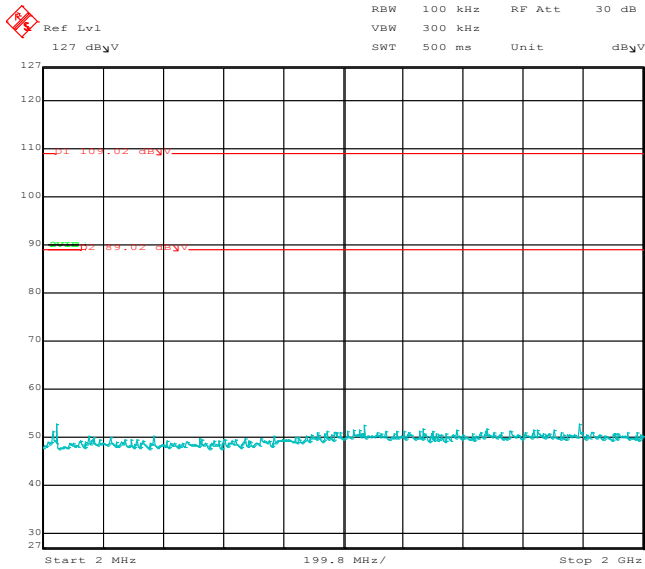


Comment A: Conducted Spurious Emissions

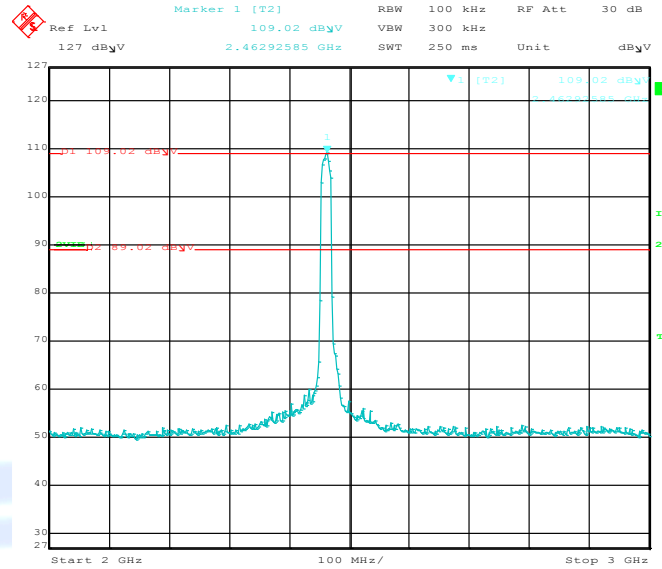


Comment A: Conducted Spurious Emissions

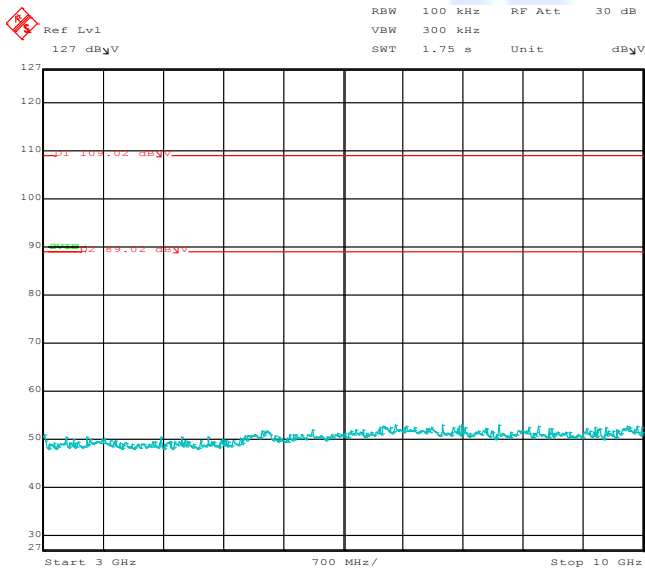
# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS HIGH CHANNEL



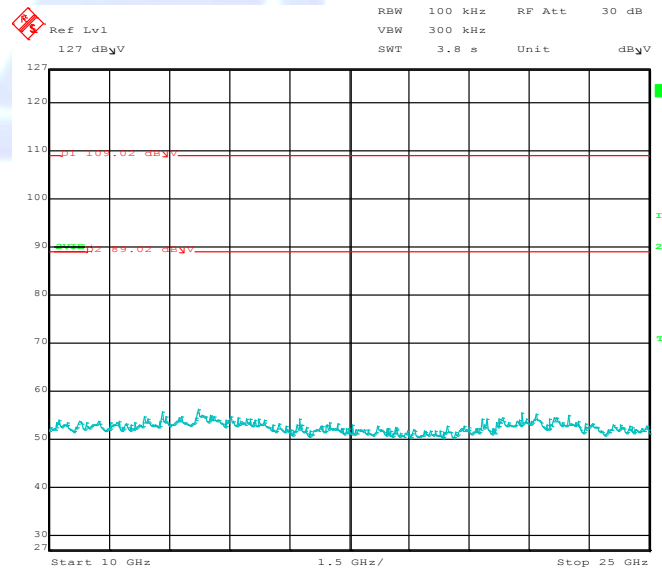
Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions

***HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY  
BANDS (IN 100KHZ BANDWIDTH) / CONDUCTED***

***DATA SHEETS***

***802.11n (40 MHz)***

***ANTENNA 1***

## ***HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Mode: 802.11n  
Antenna: 1

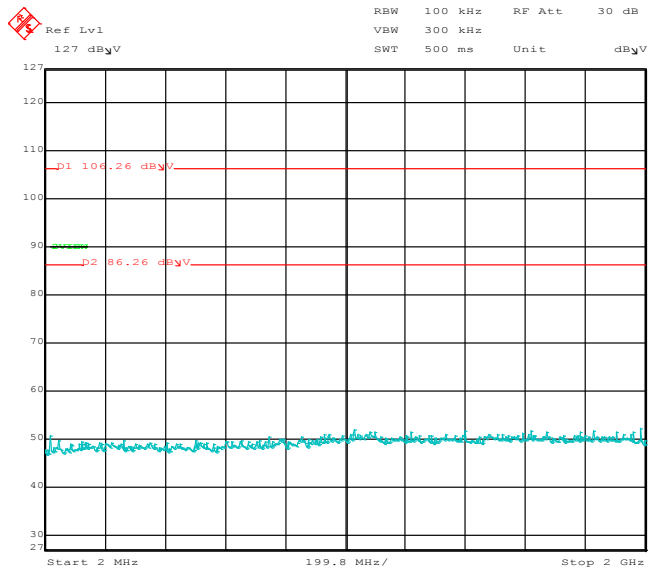
Date: 10/25/2017  
Lab: P  
Test ENG: Jorge Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

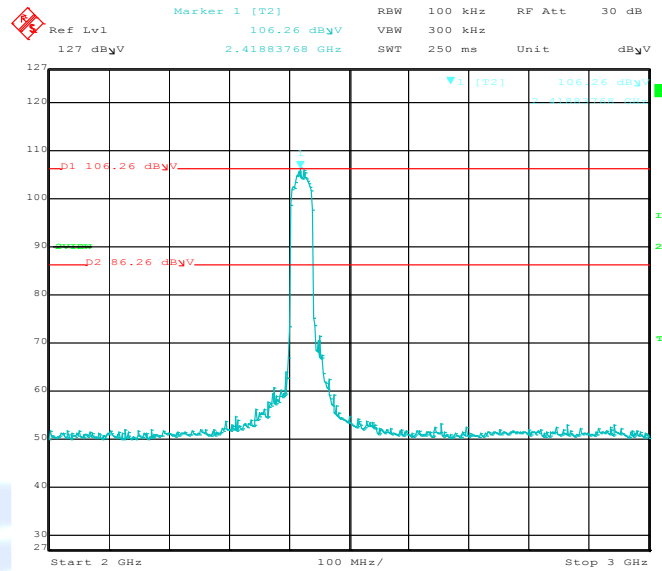
<b>Freq. (MHz)</b>	<b>Level (dBuV)</b>	<b>Limit (dBuV)</b>	<b>Margin (dB)</b>	<b>Peak / QP / Avg</b>	<b>Comments</b>
13727.45	56.02	86.26	-30.24	Peak	Low Channel



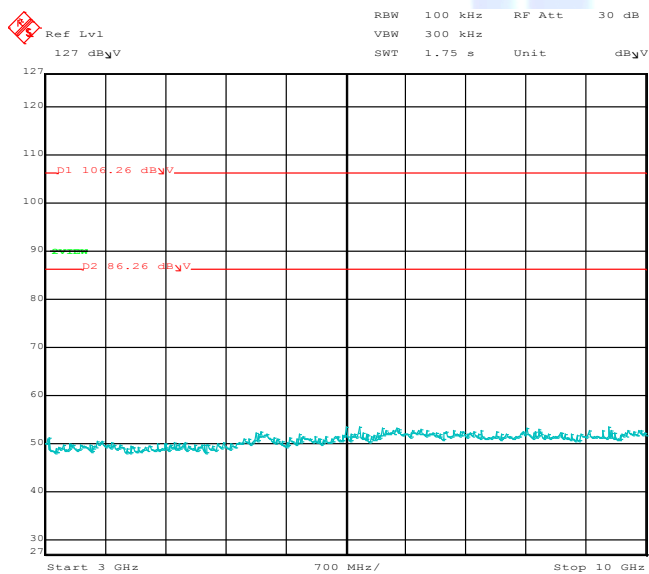
# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS LOW CHANNEL



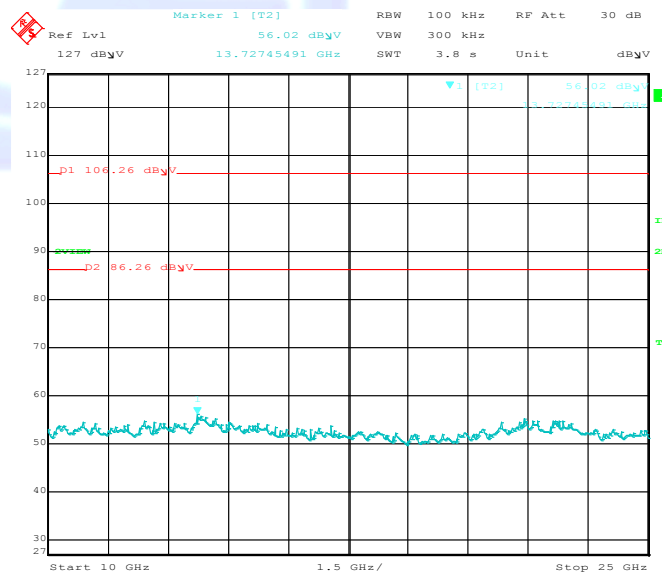
Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions

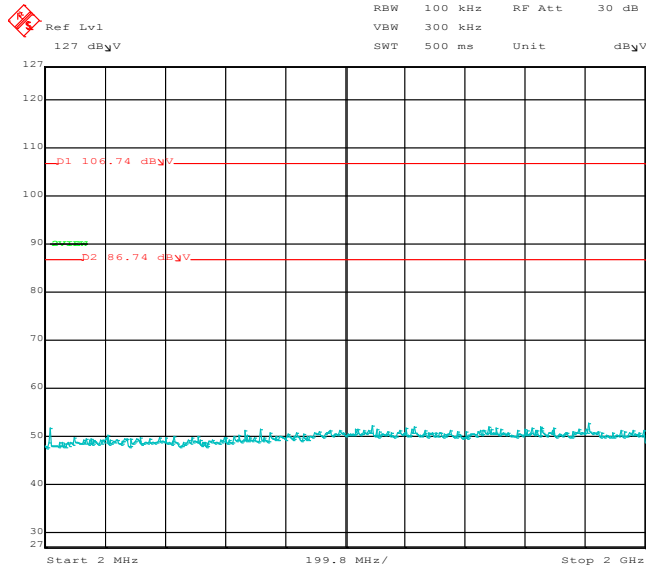


Comment A: Conducted Spurious Emissions

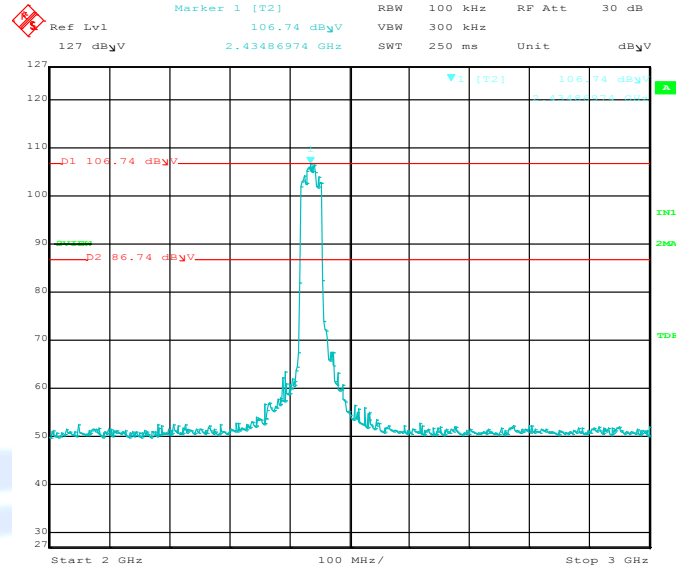


Comment A: Conducted Spurious Emissions

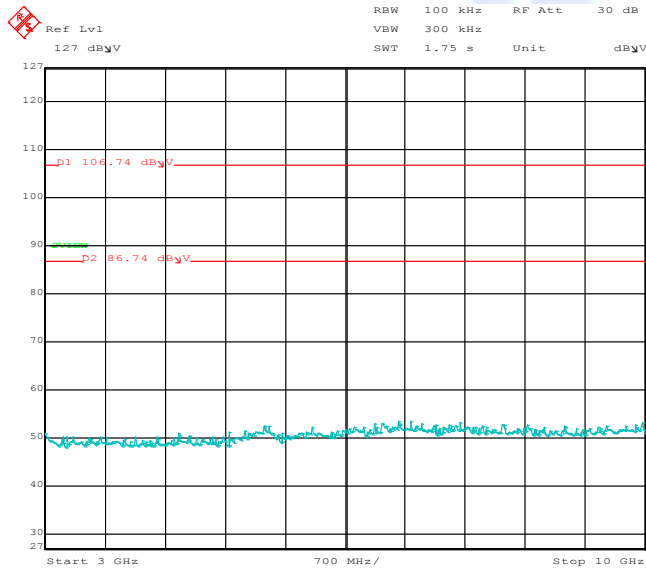
# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS MID CHANNEL



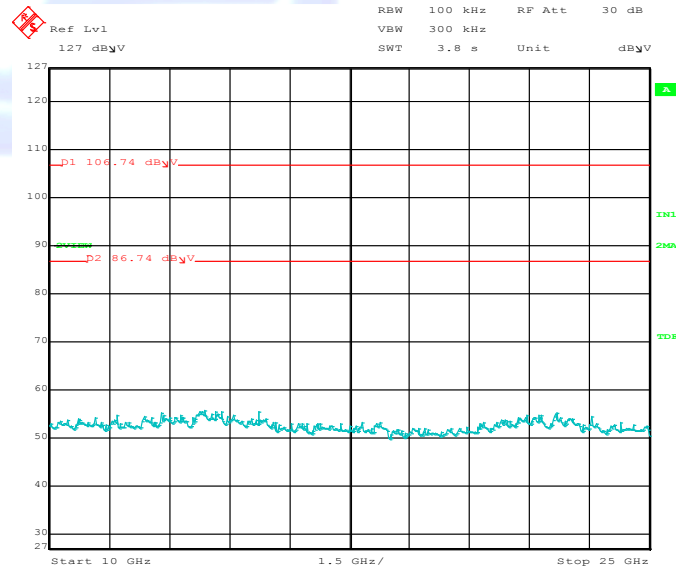
Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions

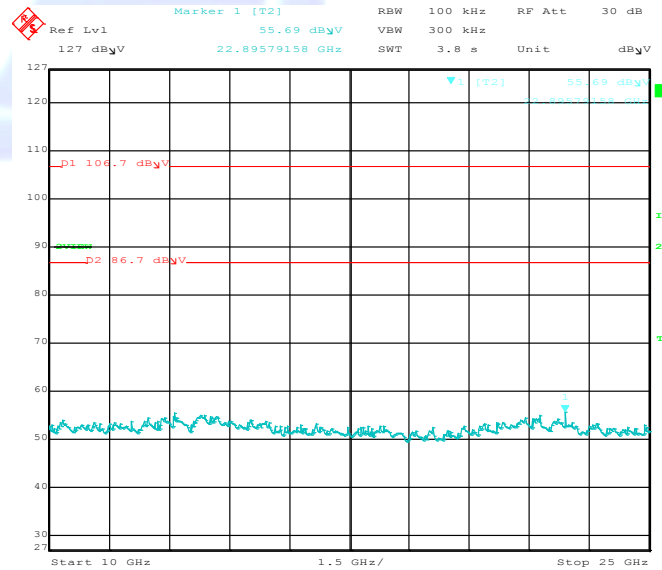
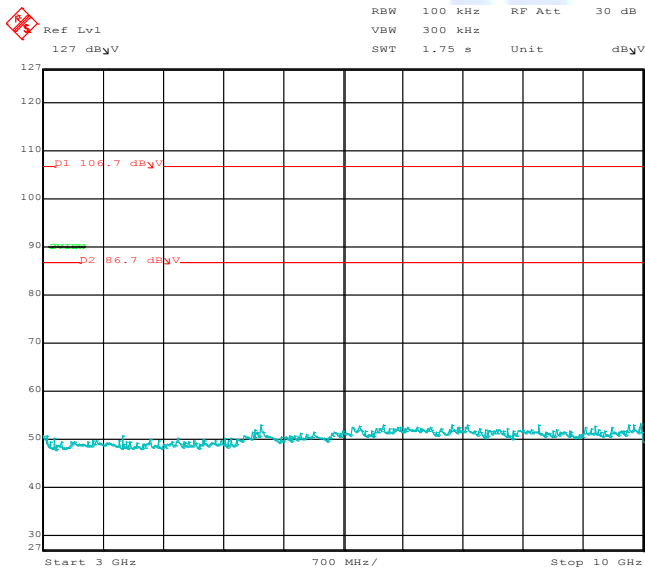
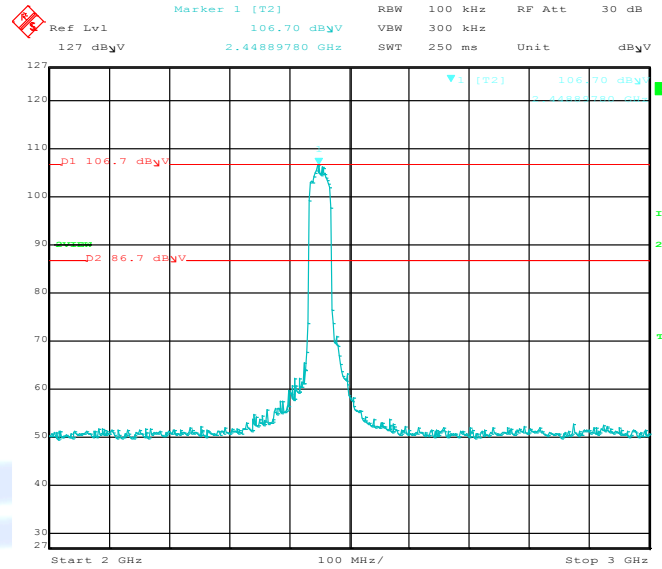
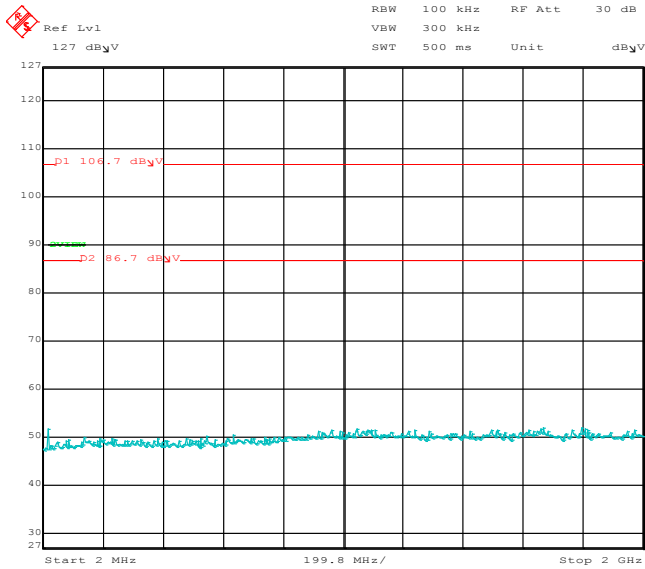


Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions

# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS HIGH CHANNEL



***HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY  
BANDS (IN 100KHZ BANDWIDTH) / CONDUCTED***

***DATA SHEETS***

***802.11n (40 MHz)***

***ANTENNA 2***



## ***HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Mode: 802.11n  
Antenna: 2

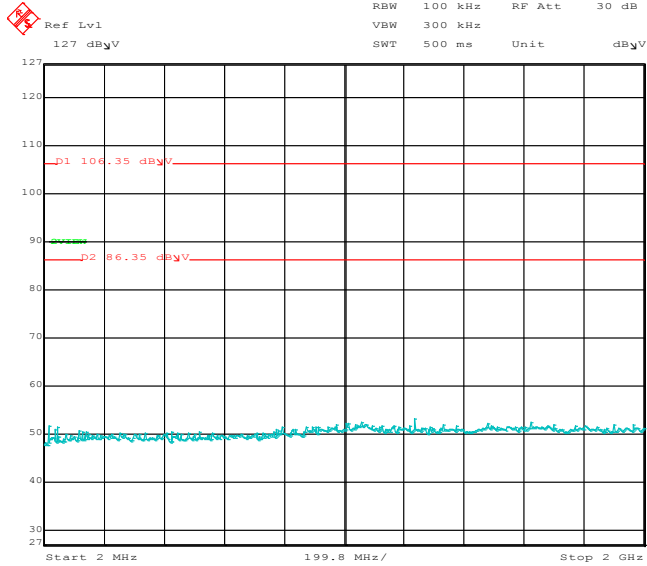
Date: 10/25/2017  
Lab: P  
Test ENG: Jorge Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

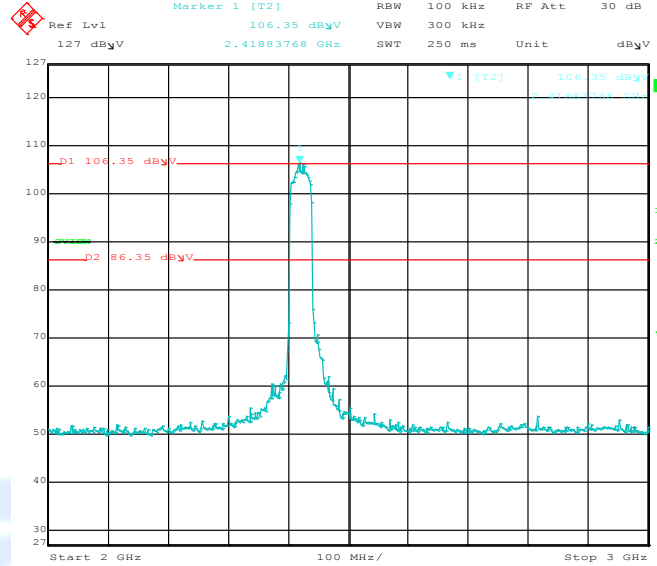
<b>Freq. (MHz)</b>	<b>Level (dBuV)</b>	<b>Limit (dBuV)</b>	<b>Margin (dB)</b>	<b>Peak / QP / Avg</b>	<b>Comments</b>
13787.58	55.81	86.35	-30.54	Peak	Low Channel
7054.11	54.34	86.76	-32.42	Peak	Mid Channel
13787.58	55.77	86.78	-31.01	Peak	High Channel



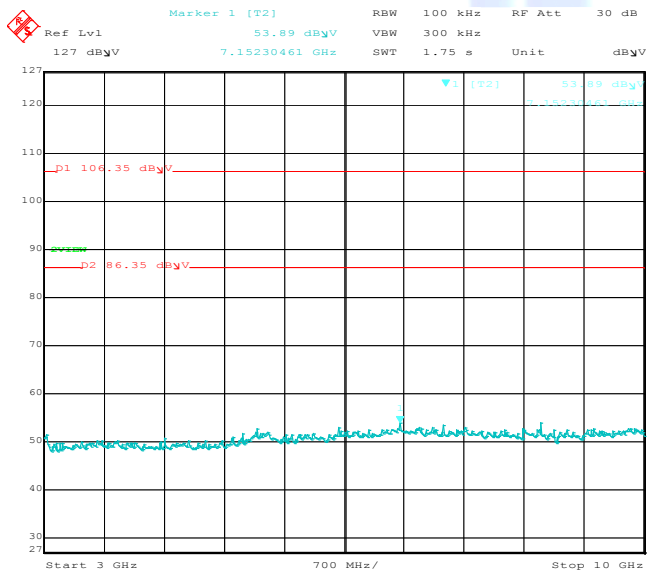
# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS LOW CHANNEL



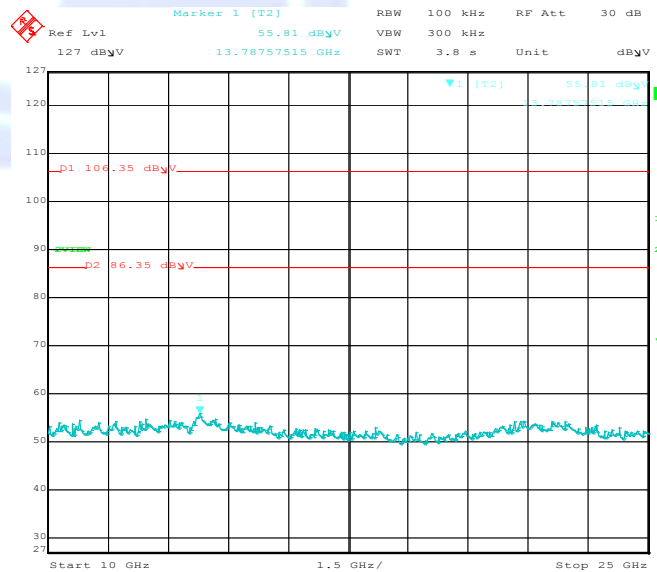
Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions

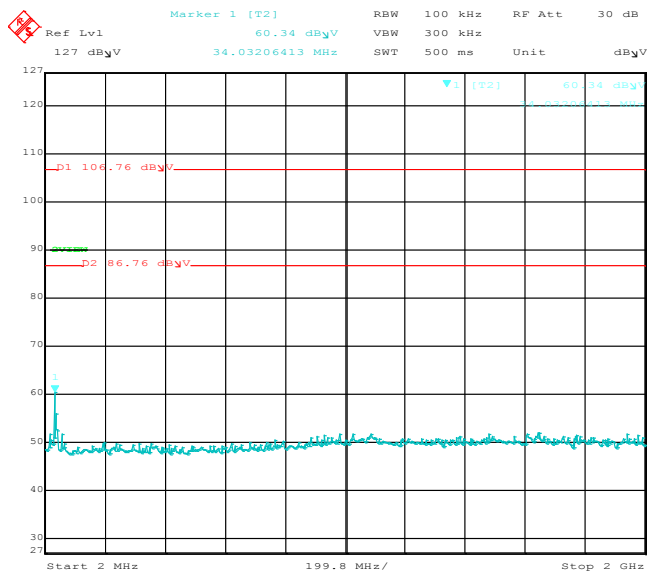


Comment A: Conducted Spurious Emissions

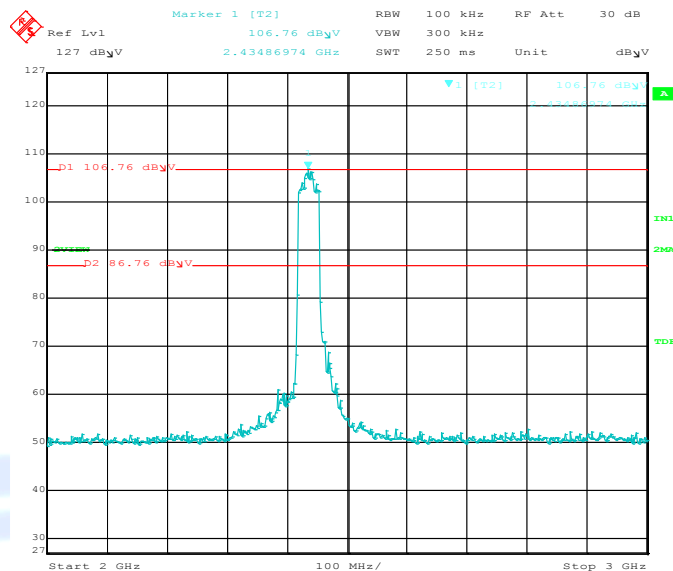


Comment A: Conducted Spurious Emissions

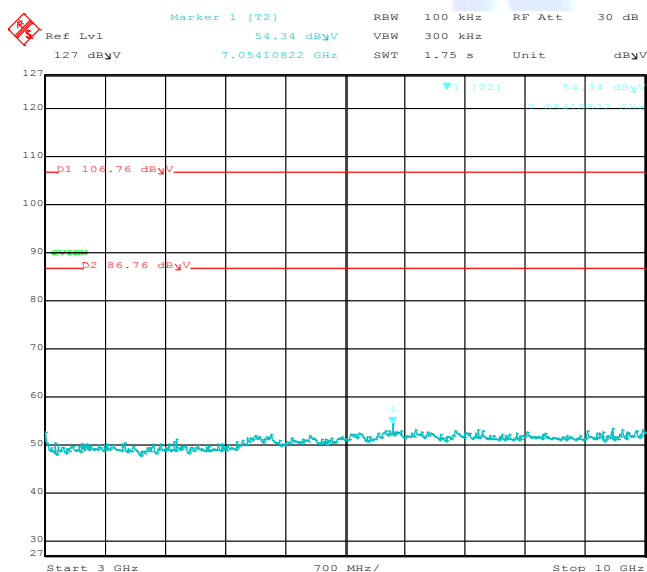
# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS MID CHANNEL



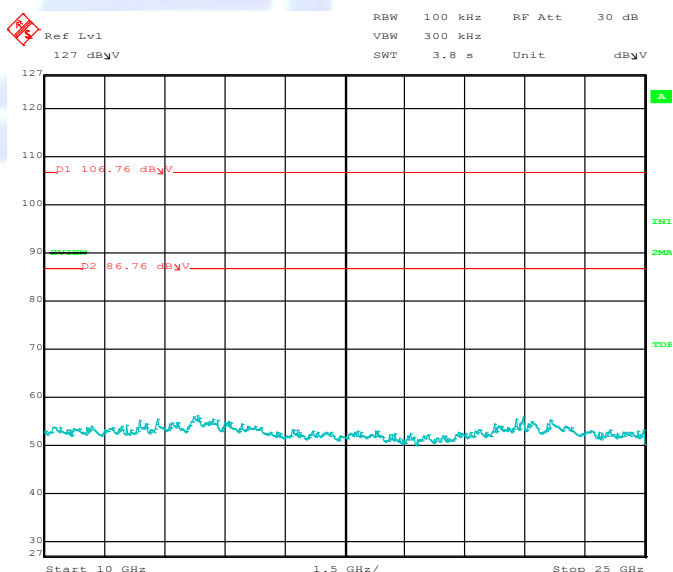
Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions

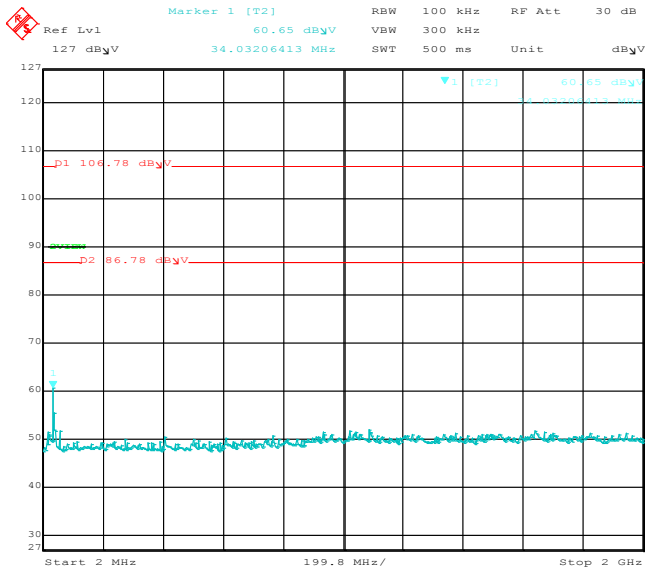


Comment A: Conducted Spurious Emissions

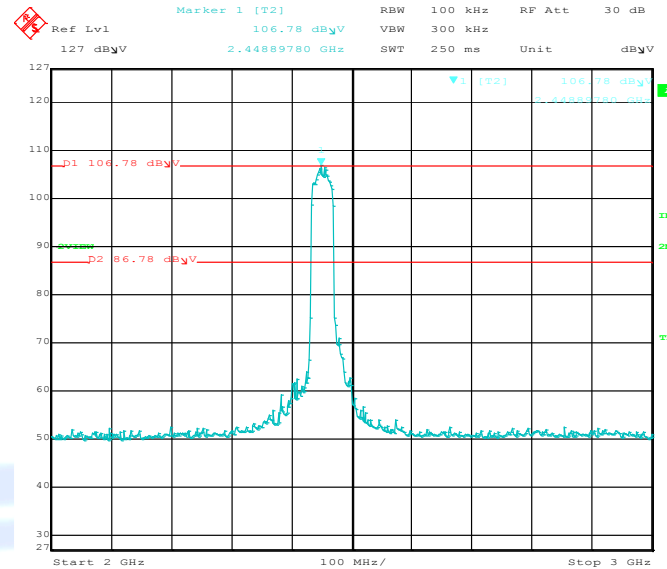


Comment A: Conducted Spurious Emissions

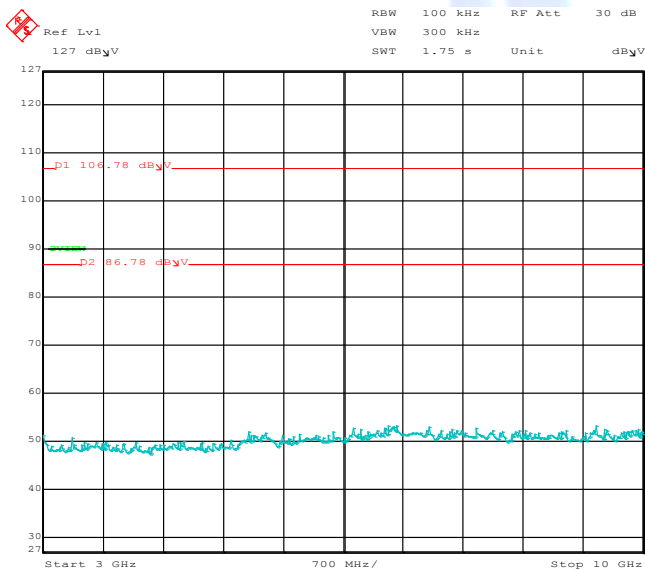
# HARMONIC EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS HIGH CHANNEL



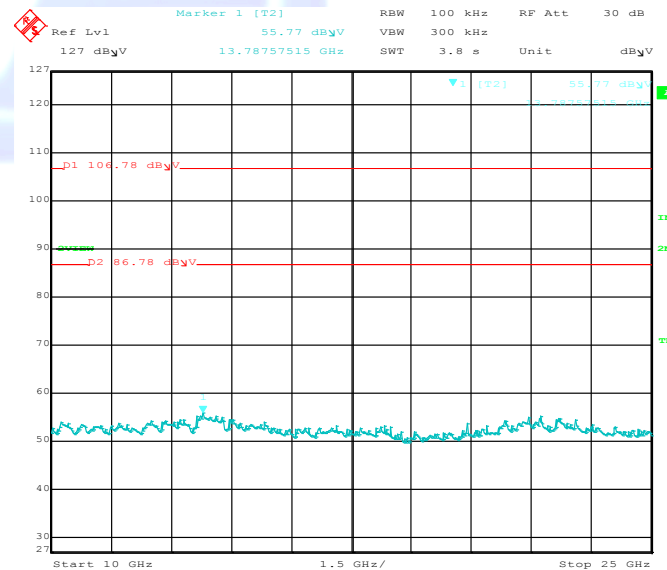
Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions



Comment A: Conducted Spurious Emissions

***EMISSIONS IN RESTRICTED FREQUENCY BANDS (RADIATED  
FIELD STRENGTH)***

***DATA SHEETS***

***802.11b***

***ANTENNA 1***

# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Low Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824.00	48.27	H	73.98	-25.71	Peak	1.35	198	In Restricted Band
4824.00	36.63	H	53.98	-17.35	Avg	1.35	198	

Test distance  
3 meter

*These are the only harmonic emissions found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Low Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J.Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824.00	46.60	V	73.98	-27.38	Peak	1.00	29	In Restricted Band
4824.00	33.93	V	53.98	-20.05	Avg	1.00	29	

Test distance  
3 meter

*These are the only harmonic emissions found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS Mid Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

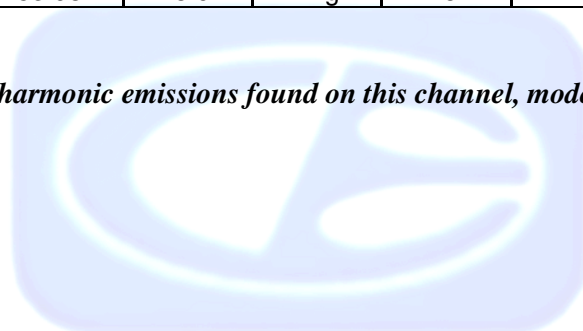
Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874.00	48.00	H	73.98	-25.98	Peak	1.64	186	In Restricted Band
4874.00	35.91	H	53.98	-18.07	Avg	1.64	186	

Test distance  
3 meter

*These are the only harmonic emissions found on this channel, mode and antenna.*





# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Mid Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J.Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874.00	40.32	V	73.98	-33.66	Peak	1.65	191	In Restricted Band
4874.00	28.37	V	53.98	-25.61	Avg	1.65	191	

Test distance  
3 meter

*These are the only harmonic emissions found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***High Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

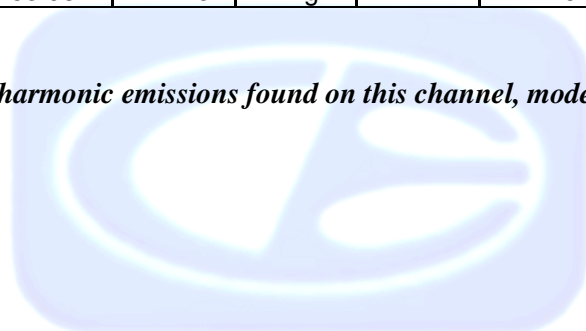
Date: 10/13/2017  
Lab: P  
Test ENG: J.Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

<b>Freq. (MHz)</b>	<b>Level (dBuV/m)</b>	<b>Pol (v/h)</b>	<b>Limit (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Peak / QP / Avg</b>	<b>Ant. Height (m)</b>	<b>Table Angle (deg)</b>	<b>Comments</b>
4924.00	43.44	H	73.98	-30.54	Peak	1.22	175	<b>In Restricted Band</b>
4924.00	31.53	H	53.98	-22.45	Avg	1.22	175	

Test distance  
3 meter

*These are the only harmonic emissions found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***High Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J.Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924.00	39.84	V	73.98	-34.14	Peak	2.49	216	In Restricted Band
4924.00	27.36	V	53.98	-26.62	Avg	2.49	216	

Test distance  
3 meter

*These are the only harmonic emissions found on this channel, mode and antenna.*



***EMISSIONS IN RESTRICTED FREQUENCY BANDS (RADIATED  
FIELD STRENGTH)***

***DATA SHEETS***

***802.11b***

***ANTENNA 2***

# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Low Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824.00	48.27	H	73.98	-25.71	Peak	1.30	227	In Restricted Band
4824.00	36.41	H	53.98	-17.57	Avg	1.30	227	

Test distance  
3 meter

*These are the only harmonic emissions found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Low Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824.00	41.89	V	73.98	-32.09	Peak	2.73	0	In Restricted Band
4824.00	28.95	V	53.98	-25.03	Avg	2.73	0	

Test distance  
3 meter

*These are the only harmonic emissions found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS Mid Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 10/16/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874.00	52.02	H	73.98	-21.96	Peak	1.06	193	In Restricted Band
4874.00	40.75	H	53.98	-13.23	Avg	1.06	193	
7311.00	54.74	H	73.98	-19.24	Peak	1.04	179	In Restricted Band
7311.00	41.79	H	53.98	-12.19	Avg	1.04	179	

Test distance  
3 meter

*These are the only harmonic emissions found on this channel, mode and antenna.*

# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Mid Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 10/16/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874.00	48.12	V	73.98	-25.86	Peak	1.14	346	In Restricted Band
4874.00	36.33	V	53.98	-17.65	Avg	1.14	346	
7311.00	50.21	V	73.98	-23.77	Peak	1.46	178	In Restricted Band
7311.00	38.19	V	53.98	-15.79	Avg	1.46	178	

Test distance  
3 meter

*These are the only harmonic emissions found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***High Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 10/16/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924.00	53.55	H	73.98	-20.43	Peak	2.32	139	In Restricted Band
4924.00	42.63	H	53.98	-11.35	Avg	2.32	139	
7386.00	56.75	H	73.98	-17.23	Peak	1.09	174	In Restricted Band
7386.00	46.26	H	53.98	-7.72	Avg	1.09	174	

Test distance  
3 meter

*These are the only harmonic emissions found on this channel, mode and antenna.*

# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***High Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 10/16/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924.00	48.48	V	73.98	-25.50	Peak	1.12	331	In Restricted Band
4924.00	36.04	V	53.98	-17.94	Avg	1.12	331	
7386.00	55.47	V	73.98	-18.51	Peak	1.98	177	In Restricted Band
7386.00	43.00	V	53.98	-10.98	Avg	1.98	177	

Test distance  
3 meter

*These are the only harmonic emissions found on this channel, mode and antenna.*

***EMISSIONS IN RESTRICTED FREQUENCY BANDS (RADIATED  
FIELD STRENGTH)***

***DATA SHEETS***

***802.11g***

***ANTENNA 1***

# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Low Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Low Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS Mid Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Mid Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS High Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*





# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***High Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



***EMISSIONS IN RESTRICTED FREQUENCY BANDS (RADIATED  
FIELD STRENGTH)***

***DATA SHEETS***

***802.11g***

***ANTENNA 2***

# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Low Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Low Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS Mid Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 10/16/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874.00	48.25	H	73.98	-25.73	Peak	1.44	130	In Restricted Band
4874.00	31.78	H	53.98	-22.20	Avg	1.44	130	
7311.00	51.10	H	73.98	-22.88	Peak	1.11	178	In Restricted Band
7311.00	35.88	H	53.98	-18.10	Avg	1.11	178	

Test distance  
3 meter

*These are the only harmonic emissions found on this channel, mode and antenna.*

# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Mid Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 10/16/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***High Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 10/16/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

<b>Freq. (MHz)</b>	<b>Level (dBuV/m)</b>	<b>Pol (v/h)</b>	<b>Limit (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Peak / QP / Avg</b>	<b>Ant. Height (m)</b>	<b>Table Angle (deg)</b>	<b>Comments</b>
4924.00	47.09	H	73.98	-26.89	Peak	1.16	230	<b>In Restricted Band</b>
4924.00	32.11	H	53.98	-21.87	Avg	1.16	230	
7386.00	55.98	H	73.98	-18.00	Peak	1.1	173	<b>In Restricted Band</b>
7386.00	39.12	H	53.98	-14.86	Avg	1.1	173	

Test distance  
3 meter

*These are the only harmonic emissions found on this channel, mode and antenna.*

# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***High Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 10/16/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924.00	44.53	V	73.98	-29.45	Peak	1.73	159	In Restricted Band
4924.00	29.57	V	53.98	-24.41	Avg	1.73	159	
7386.00	52.11	V	73.98	-21.87	Peak	1.63	177	In Restricted Band
7386.00	36.16	V	53.98	-17.82	Avg	1.63	177	

Test distance  
3 meter

*These are the only harmonic emissions found on this channel, mode and antenna.*



***EMISSIONS IN RESTRICTED FREQUENCY BANDS (RADIATED  
FIELD STRENGTH)***

***DATA SHEETS***

***802.11n (20 MHz)***

***ANTENNA 1***

# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Low Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/25/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Low Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS Mid Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Mid Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS High Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***High Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



***EMISSIONS IN RESTRICTED FREQUENCY BANDS (RADIATED  
FIELD STRENGTH)***

***DATA SHEETS***

***802.11n (20 MHz)***

***ANTENNA 2***



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Low Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 10/16/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Low Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 10/16/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS Mid Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 10/16/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874.00	46.83	H	73.98	-27.15	Peak	1.27	128	In Restricted Band
4874.00	32.40	H	53.98	-21.58	Avg	1.27	128	
7311.00	52.14	H	73.98	-21.84	Peak	1.10	181	In Restricted Band
7311.00	36.00	H	53.98	-17.98	Avg	1.10	181	

Test distance  
3 meter

*These are the only harmonic emissions found on this channel, mode and antenna.*

# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Mid Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 4/11/2017  
Lab: P  
Test ENG: T. Oliver

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874.00	43.58	V	73.98	-30.40	Peak	1.22	29	In Restricted Band
4874.00	29.75	V	53.98	-24.23	Avg	1.22	29	
7311.00	46.98	V	73.98	-27.00	Peak	1.97	180	In Restricted Band
7311.00	34.25	V	53.98	-19.73	Avg	1.97	180	

Test distance  
3 meter

*These are the only harmonic emissions found on this channel, mode and antenna.*

# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***High Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 10/16/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924.00	48.35	H	73.98	-25.63	Peak	1.11	231	In Restricted Band
4924.00	32.72	H	53.98	-21.26	Avg	1.11	231	
7386.00	55.98	H	73.98	-18.00	Peak	1.05	176	In Restricted Band
7386.00	39.24	H	53.98	-14.74	Avg	1.05	176	

Test distance  
3 meter

*These are the only harmonic emissions found on this channel, mode and antenna.*

# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***High Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 10/16/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924.00	43.06	V	73.98	-30.92	Peak	2.99	360	In Restricted Band
4924.00	28.72	V	53.98	-25.26	Avg	2.99	360	
7386.00	52.75	V	73.98	-21.23	Peak	1.86	177	In Restricted Band
7386.00	36.92	V	53.98	-17.06	Avg	1.86	177	

Test distance  
3 meter

*These are the only harmonic emissions found on this channel, mode and antenna.*

***EMISSIONS IN RESTRICTED FREQUENCY BANDS (RADIATED  
FIELD STRENGTH)***

***DATA SHEETS***

***802.11n (40 MHz)***

***ANTENNA 1***

# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Low Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*





# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Low Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS Mid Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Mid Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS High Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***High Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



***EMISSIONS IN RESTRICTED FREQUENCY BANDS (RADIATED  
FIELD STRENGTH)***

***DATA SHEETS***

***802.11n (40 MHz)***

***ANTENNA 2***

# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Low Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 10/16/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Low Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 10/16/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*





# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS Mid Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 10/16/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit (dBuV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874.00	44.89	H	73.98	-29.09	Peak	1.30	178	In Restricted Band
4874.00	30.22	H	53.98	-23.76	Avg	1.17	178	
7311.00	50.48	H	73.98	-23.50	Peak	1.17	178	In Restricted Band
7311.00	35.09	H	53.98	-18.89	Avg	1.17	178	

Test distance  
3 meter

*These are the only harmonic emissions found on this channel, mode and antenna.*

# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***Mid Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS High Channel, Horizontal***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



# ***HARMONIC EMISSIONS IN RESTRICTED FREQUENCY BANDS***

## ***High Channel, Vertical***

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: J. Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

*No harmonic emissions were found on this channel, mode and antenna.*



***EMISSIONS RADIATED OUTSIDE OF THE FUNDAMENTAL  
FREQUENCY BAND AT BAND EDGES***

***DATA SHEETS***

***802.11b***

***ANTENNA 1***

## BAND EDGES- HORIZONTAL

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/11/2017  
Lab: P  
Test ENG: Jorge Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBµV/m)	Pol	Limit (dBµV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2412.71	87.58	H	--	--	Peak	1.7	210	Fundamental of Low Channel
2400.00	50.90	H	67.58	-16.68	Delta	1.7	210	From Peak
2389.25	49.47	H	73.98	-24.51	Peak	1.7	210	No Marker Delta Method Used
2389.25	36.19	H	53.98	-17.79	Avg	1.7	210	
2462.48	90.39	H	--	--	Peak	1.54	204	Fundamental of High Channel
2487.03	49.31	H	73.98	-24.67	Peak	1.54	204	No Marker Delta Method Used
2487.03	36.54	H	53.98		Avg	1.54	204	

Test Distance  
3 Meters

## BAND EDGES- VERTICAL

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

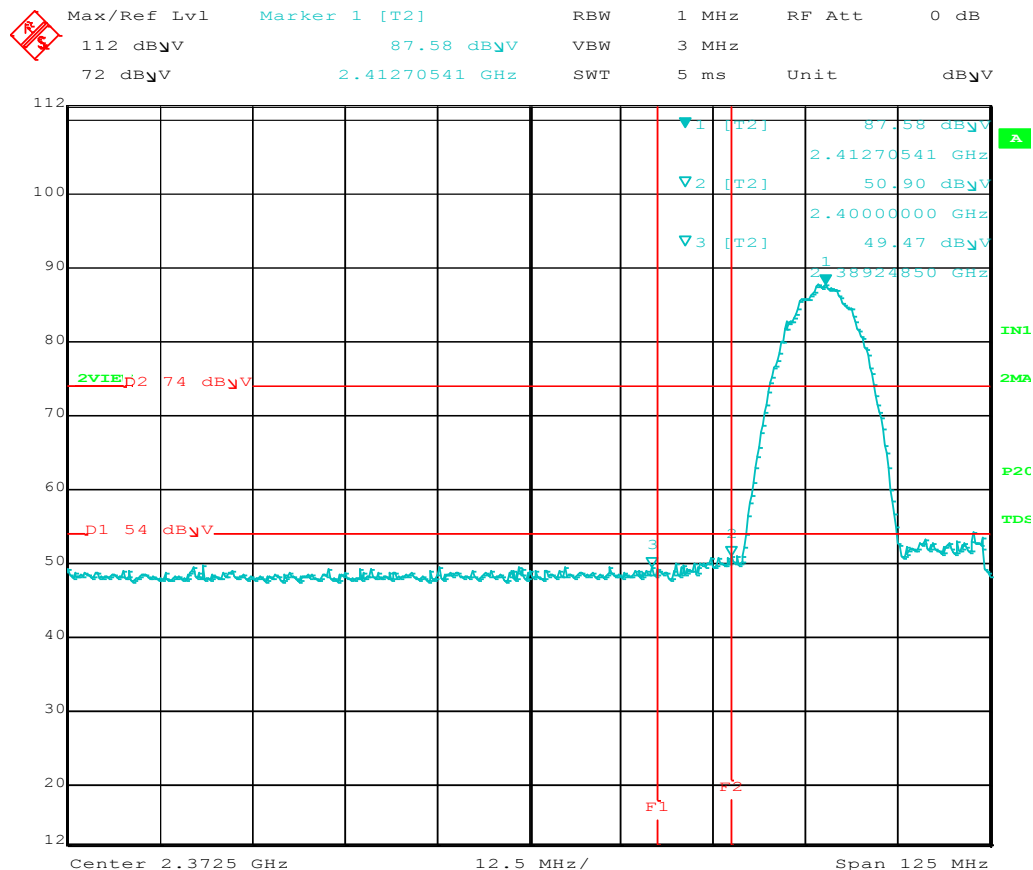
Date: 10/11/2017  
Lab: P  
Test ENG: Jorge Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBµV/m)	Pol	Limit (dBµV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2411.70	84.61	V	--	--	Peak	1.31	170	Fundamental of Low Channel
2396.74	50.29	V	64.61	-14.32	Delta	1.31	170	From Peak
2387.75	49.21	V	73.98	-24.77	Peak	1.31	170	No Marker Delta Method Used
2387.75	36.16	V	53.98	-17.82	Avg	1.31	170	
2461.60	88.17	V	--	--	Peak	1.42	142	Fundamental of High Channel
2513.63	50.07	V	73.98	-23.91	Peak	1.42	142	No Marker Delta Method Used
2513.63	38.89	V	53.98	-15.09	Avg	1.42	142	

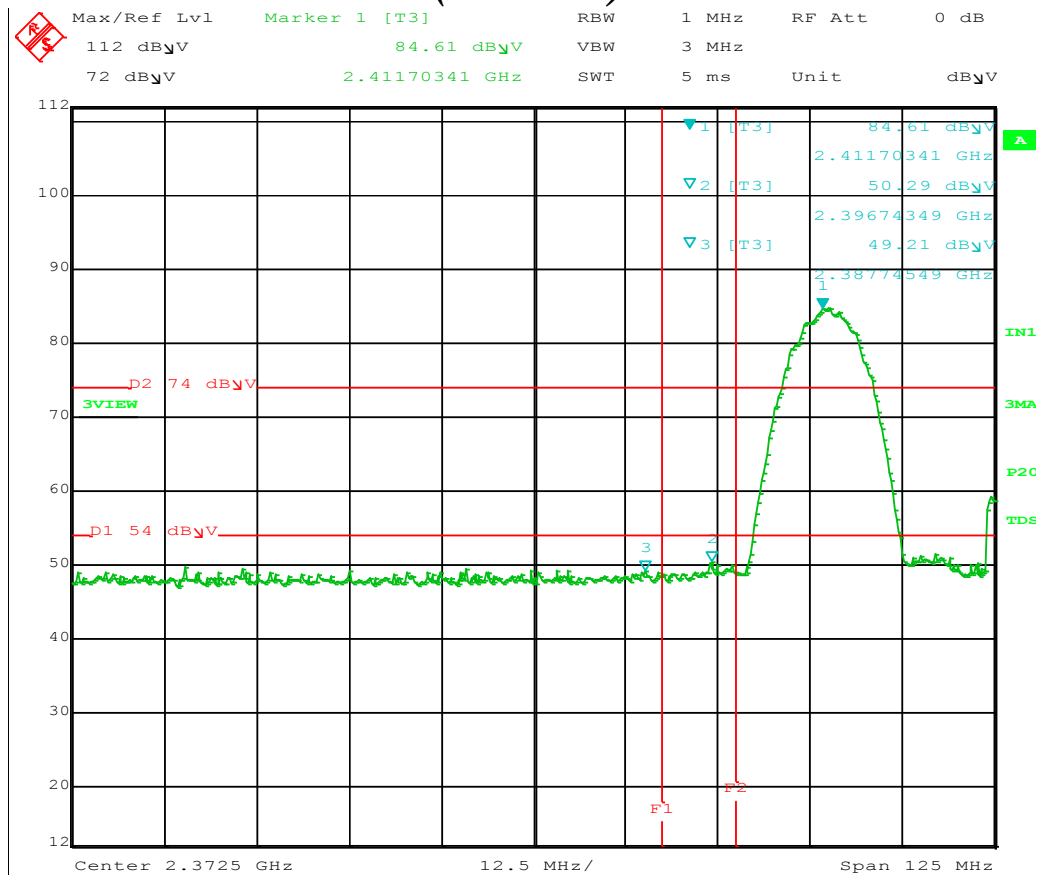
Test Distance  
3 Meters

## LOWER BAND EDGE (Horizontal)

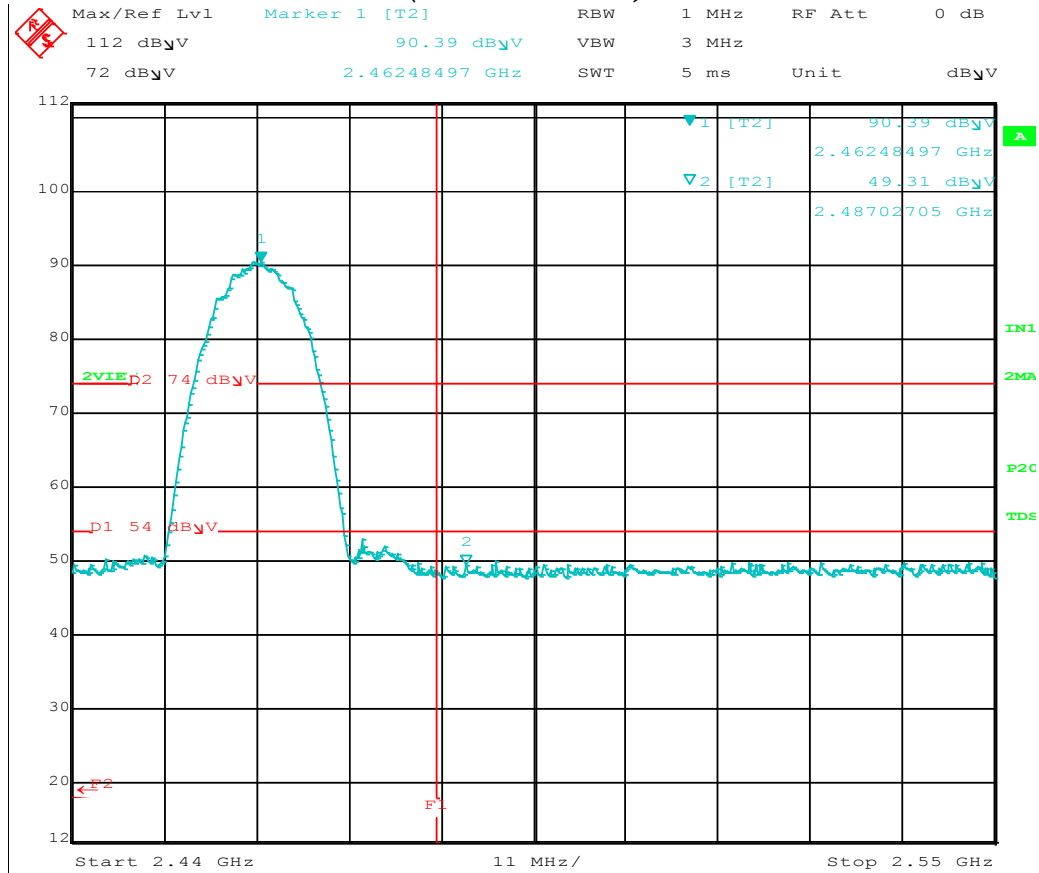


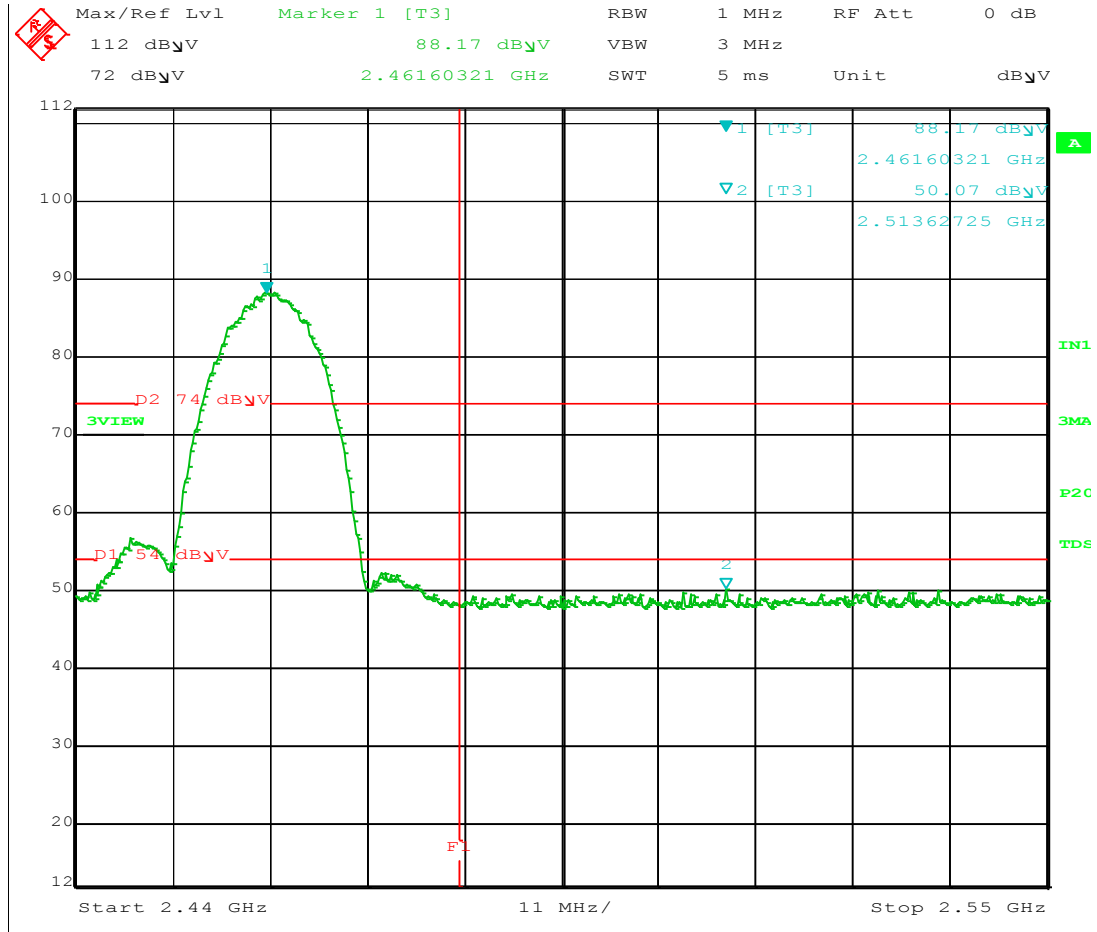


## LOWER BAND EDGE (Vertical)



## UPPER BAND EDGE (Horizontal)





***EMISSIONS RADIATED OUTSIDE OF THE FUNDAMENTAL  
FREQUENCY BAND AT BAND EDGES***

***DATA SHEETS***

***802.11b***

***ANTENNA 2***

## BAND EDGES- HORIZONTAL

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 10/11/2017  
Lab: P  
Test ENG: Jorge Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBμV/m)	Pol	Limit (dBμV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2411.67	109.16	H	--	--	Peak	1.4	146	Fundamental of Low Channel
2398.46	69.46	H	89.16	-19.70	Delta	1.4	146	From Peak
2388.46	52.57	H	73.98	-21.41	Peak	1.4	146	No Marker Delta Method Used
2388.46	39.29	H	53.98	-14.69	Avg	1.4	146	
2462.78	109.13	H	--	--	Peak	1.49	157	Fundamental of High Channel
2483.50	52.81	H	73.98	-21.17	Peak	1.49	157	No Marker Delta Method Used
2483.50	39.93	H	53.98	-14.05	Avg	1.49	157	

Test Distance  
3 Meters

## BAND EDGES- VERTICAL

### FCC 15.247

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

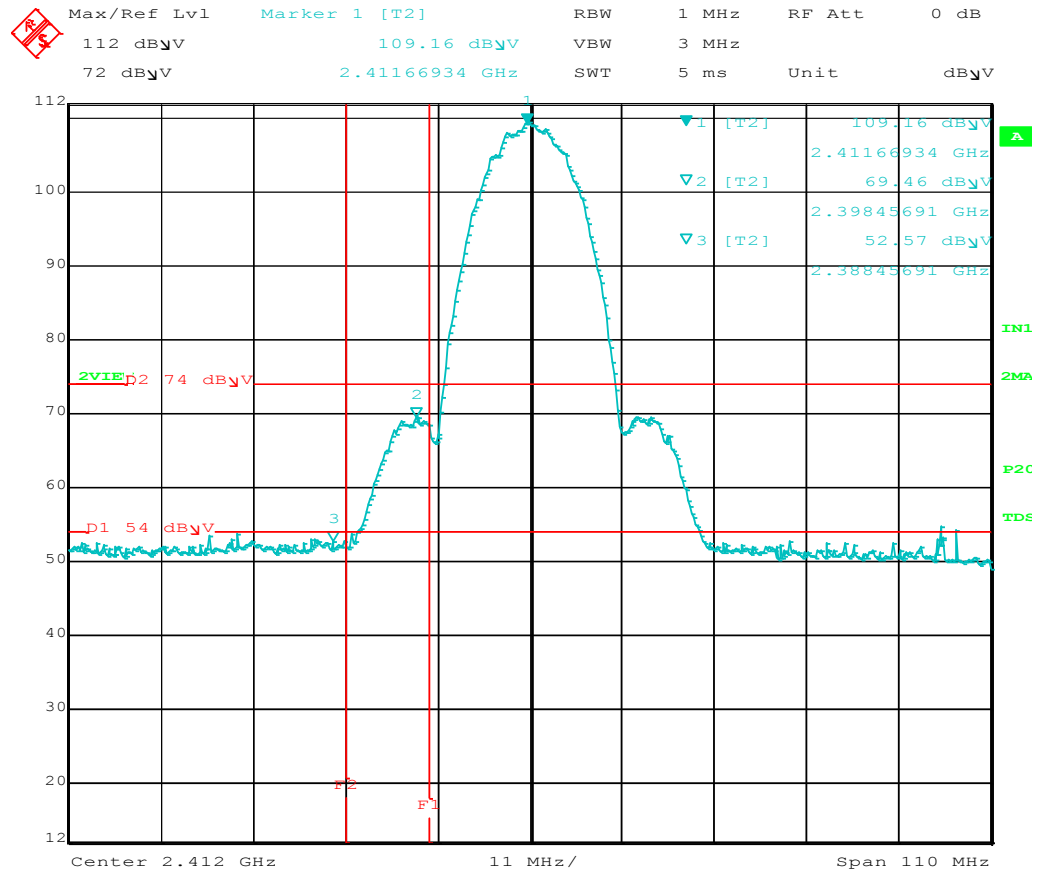
Date: 10/11/2017  
Lab: P  
Test ENG: Jorge Reyes

### Compatible Electronics, Inc. FAC-3 ( Lab P )

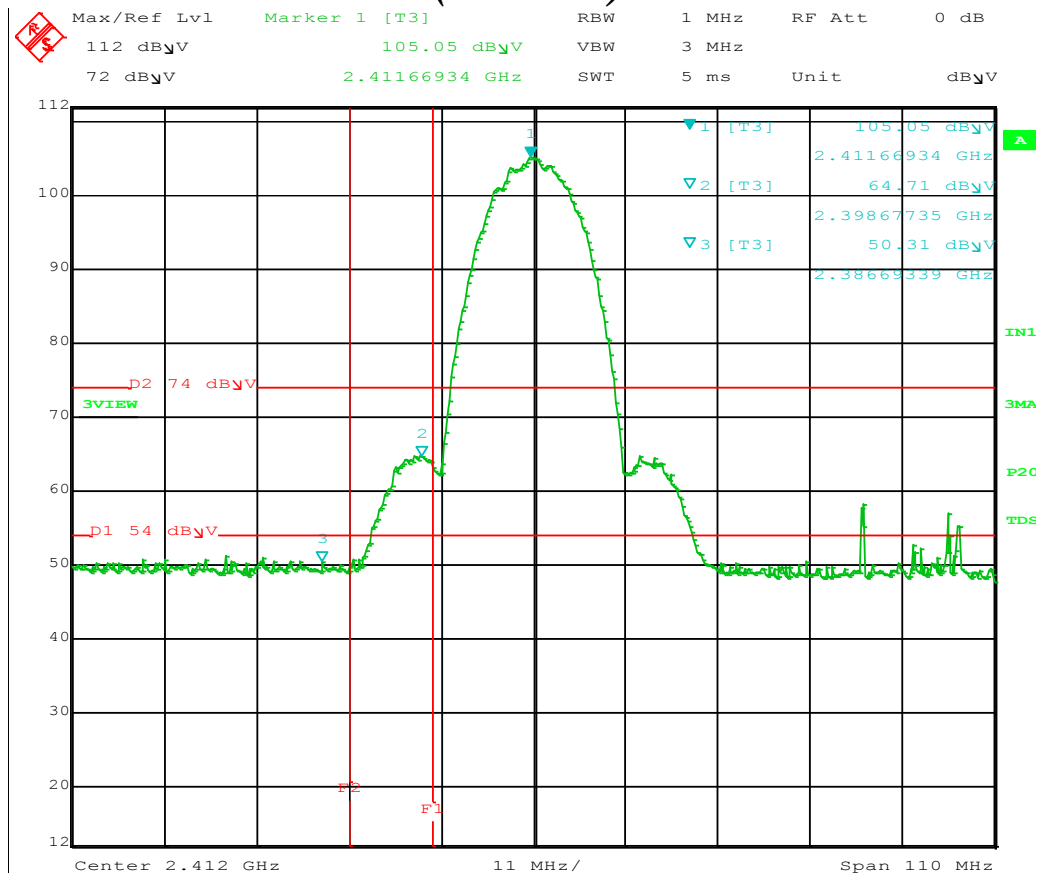
Freq. (MHz)	Level (dB $\mu$ V/m)	Pol	Limit (dB $\mu$ V/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2411.67	105.05	V	--	--	Peak	1	222	Fundamental of Low Channel
2398.68	64.71	V	85.05	-20.34	Delta	1	222	From Peak
2386.69	50.31	V	73.98	-23.67	Peak	1	222	No Marker Delta Method Used
2386.69	37.72	V	53.98	-16.26	Avg	1	222	
2463.13	106.76	V	--	--	Peak	1.03	160	Fundamental of High Channel
2483.50	53.63	V	73.98	-20.35	Peak	1.03	160	No Marker Delta Method Used
2483.50	41.01	V	53.98	-12.97	Avg	1.03	160	

Test Distance

## LOWER BAND EDGE (Horizontal)

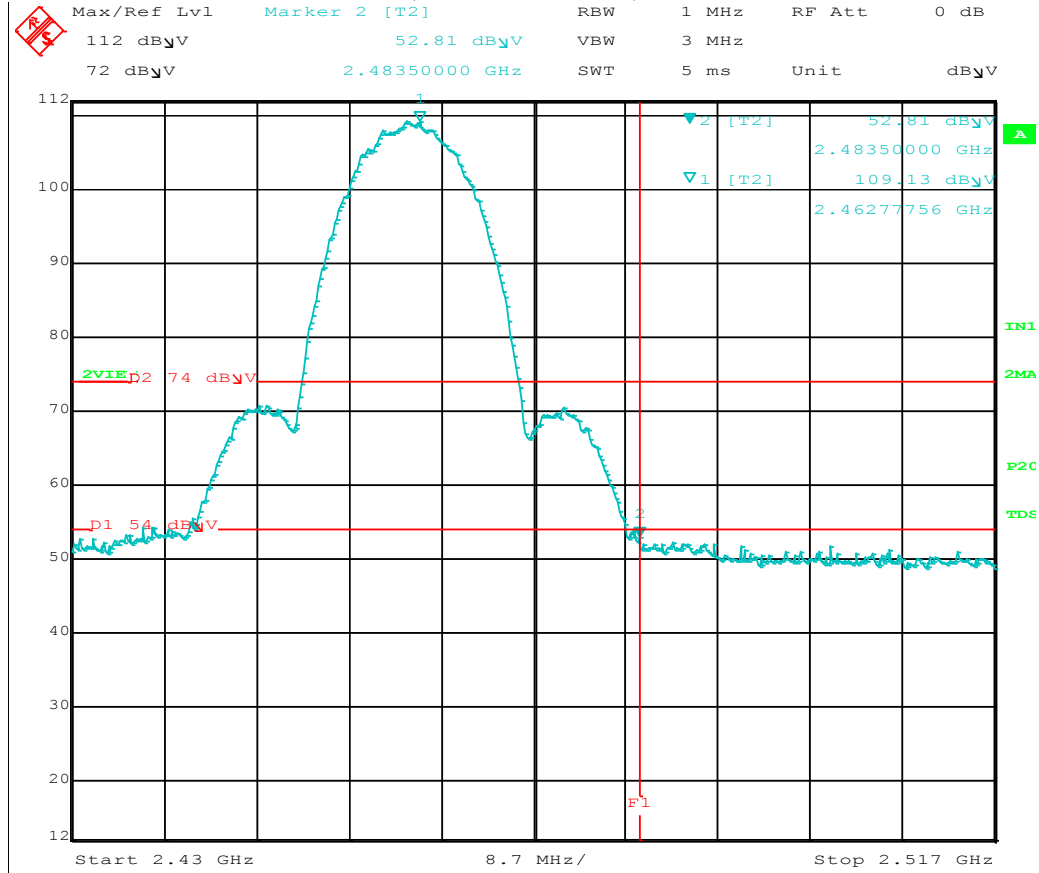


## LOWER BAND EDGE (Vertical)

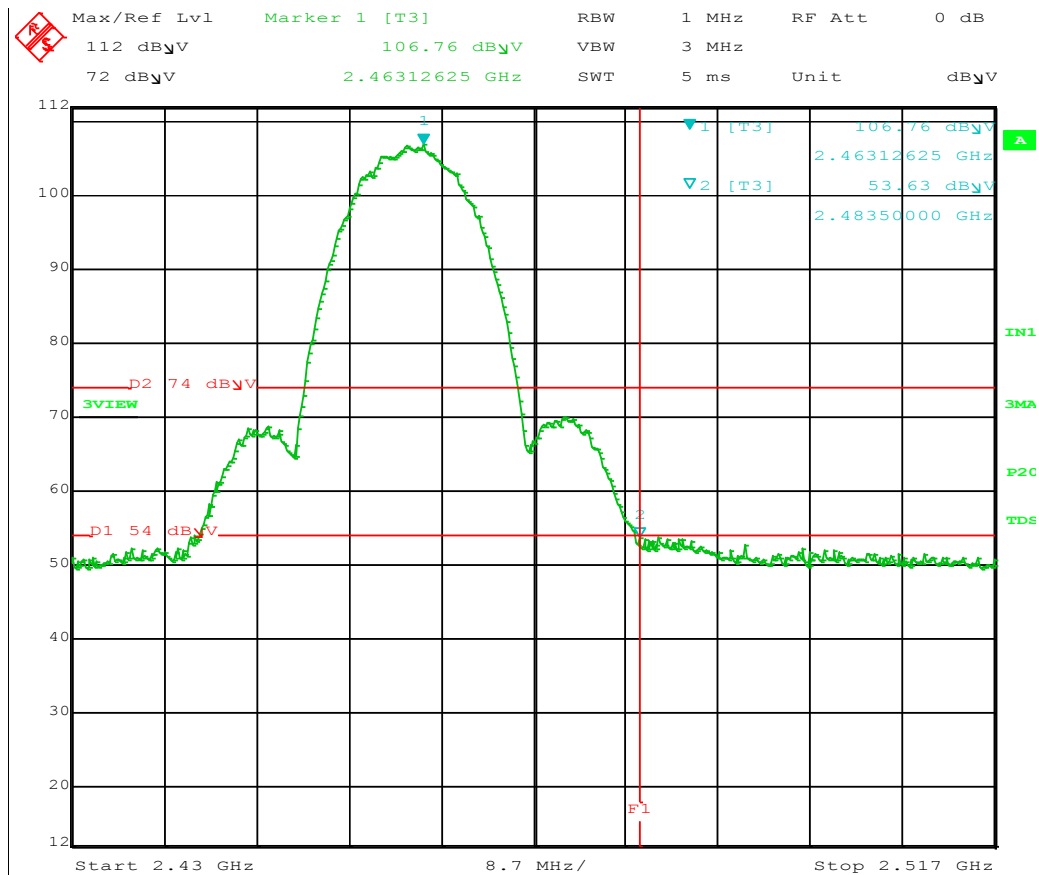




## UPPER BAND EDGE (Horizontal)



## UPPER BAND EDGE (Vertical)



***EMISSIONS RADIATED OUTSIDE OF THE FUNDAMENTAL  
FREQUENCY BAND AT BAND EDGES***

***DATA SHEETS***

***802.11g***

***ANTENNA 1***

## BAND EDGES- HORIZONTAL

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/11/2017  
Lab: P  
Test ENG: Jorge Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBµV/m)	Pol	Limit (dBµV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2417.21	85.37	H	--	--	Peak	1.83	211	Fundamental of Low Channel
2395.49	50.07	H	65.37	-15.30	Delta	1.83	211	From Peak
2378.39	49.59	H	73.98	-24.39	Peak	1.83	211	<b>No</b> Marker Delta Method Used
2378.39	36.31	H	53.98	-17.67	Avg	1.83	211	
2460.94	88.67	H	--	--	Peak	1.39	190	Fundamental of High Channel
2492.98	49.11	H	73.98	-24.87	Peak	1.39	190	<b>No</b> Marker Delta Method Used
2492.98	37.31	H	53.98	-16.67	Avg	1.39	190	

Test Distance  
3 Meters

## BAND EDGES- VERTICAL

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

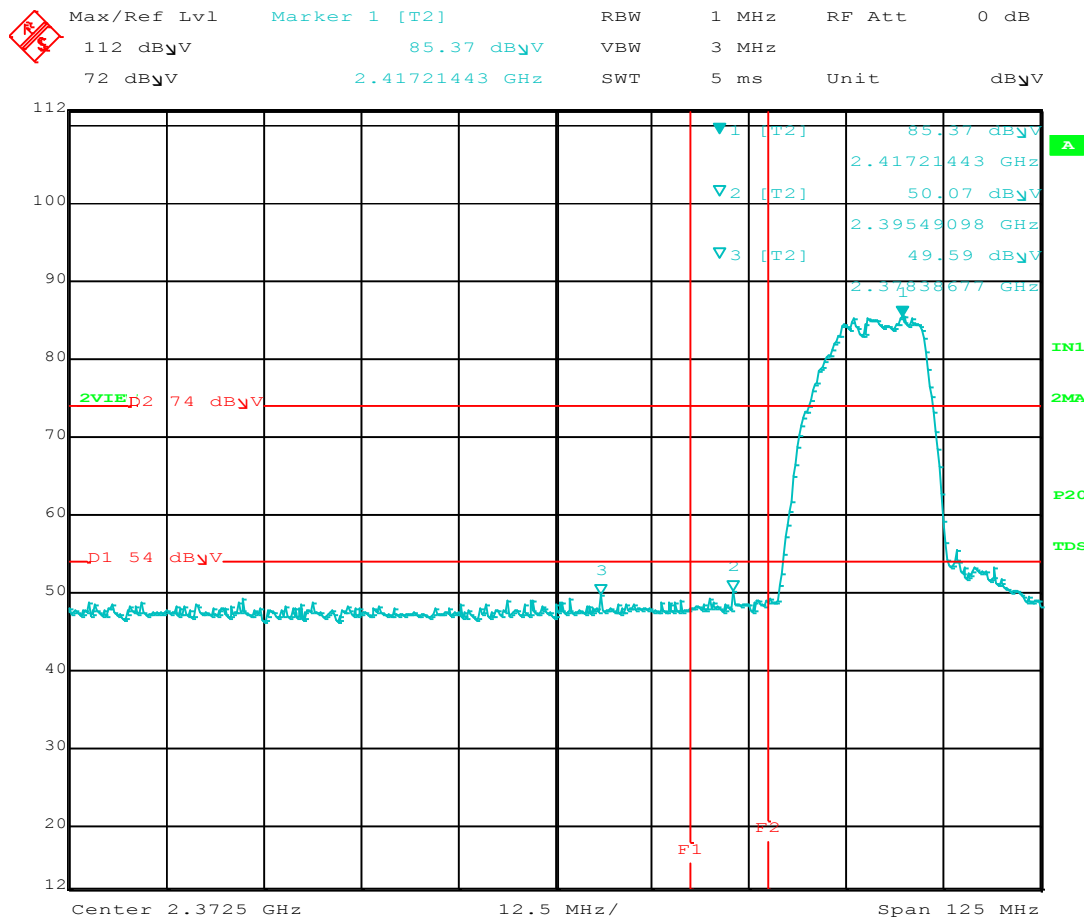
Date: 10/11/2017  
Lab: P  
Test ENG: Jorge Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

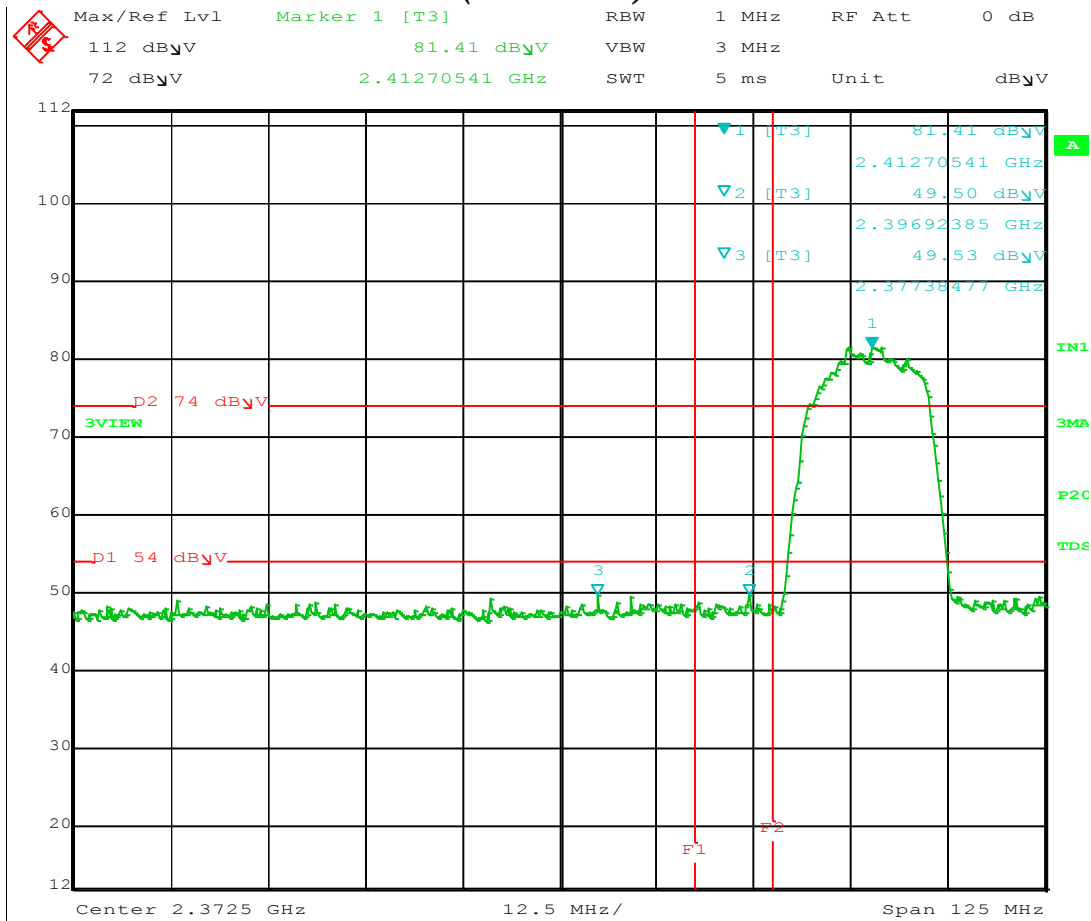
Freq. (MHz)	Level (dBµV/m)	Pol	Limit (dBµV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2412.71	81.41	V	--	--	Peak	1.2	170	Fundamental of Low Channel
2396.92	49.50	V	61.41	-11.91	Delta	1.2	170	From Peak
2377.38	49.53	V	73.98	-24.45	Peak	1.2	170	<b>No</b> Marker Delta Method Used
2377.38	36.27	V	53.98	-17.71	Avg	1.2	170	
2459.62	88.74	V	--	--	Peak	1.5	135	Fundamental of High Channel
2485.63	51.19	V	73.98	-22.79	Peak	1.5	135	<b>No</b> Marker Delta Method Used
2485.63	36.76	V	53.98	-17.22	Avg	1.5	135	

Test Distance  
3 Meters

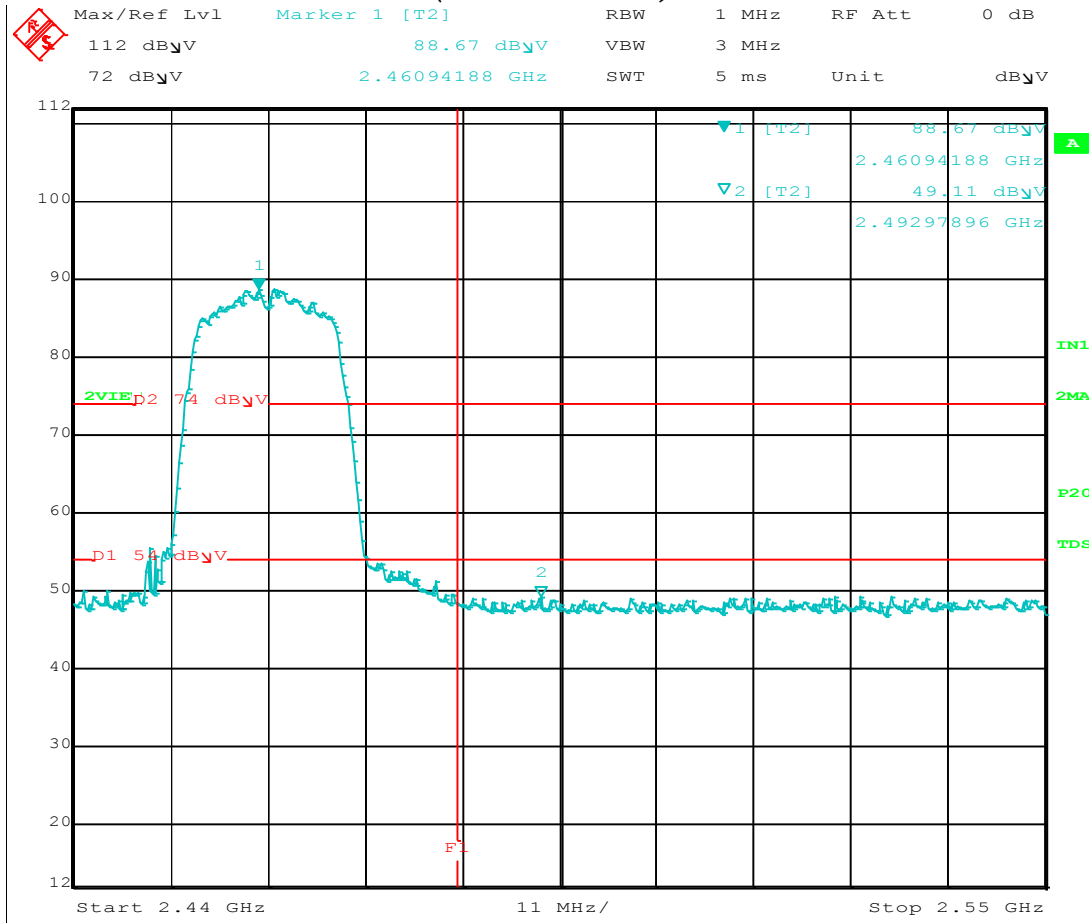
## LOWER BAND EDGE (Horizontal)



## LOWER BAND EDGE (Vertical)

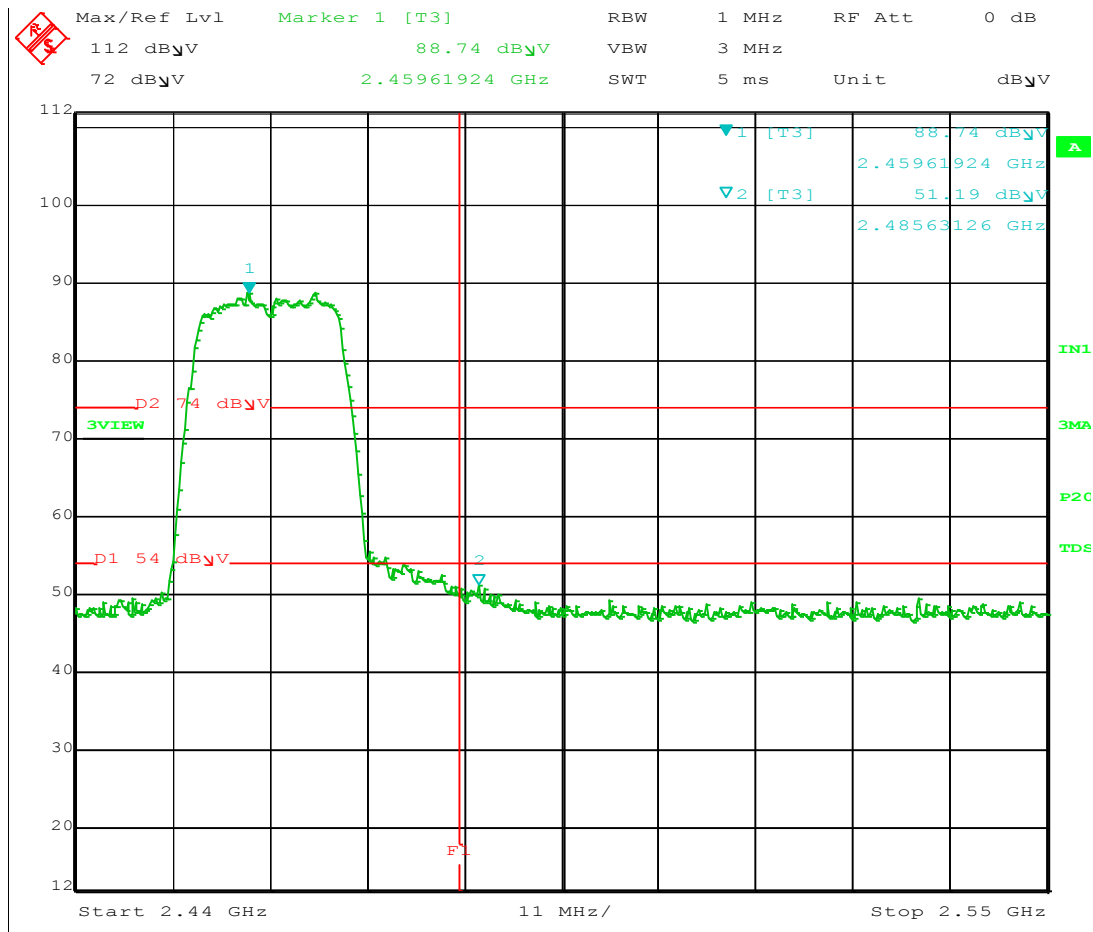


## UPPER BAND EDGE (Horizontal)





## UPPER BAND EDGE (Vertical)



***EMISSIONS RADIATED OUTSIDE OF THE FUNDAMENTAL  
FREQUENCY BAND AT BAND EDGES***

***DATA SHEETS***

***802.11g***

***ANTENNA 2***

## BAND EDGES- HORIZONTAL

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 10/11/2017  
Lab: P  
Test ENG: Jorge Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBμV/m)	Pol	Limit (dBμV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2412.75	106.57	H	--	--	Peak	1.69	149	Fundamental of Low Channel
2399.51	64.92	H	86.57	-21.65	Delta	1.69	149	From Peak
2390.00	60.54	H	73.98	-13.44	Peak	1.69	149	No Marker Delta Method Used
2390.00	40.98	H	53.98	-13.00	Avg	1.69	149	
2459.48	107.06	H	--	--	Peak	1.42	151	Fundamental of High Channel
2484.34	65.60	H	73.98	-8.38	Peak	1.42	151	No Marker Delta Method Used
2484.34	43.93	H	53.98	-10.05	Avg	1.42	151	

Test Distance  
3 Meters

## BAND EDGES- VERTICAL

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

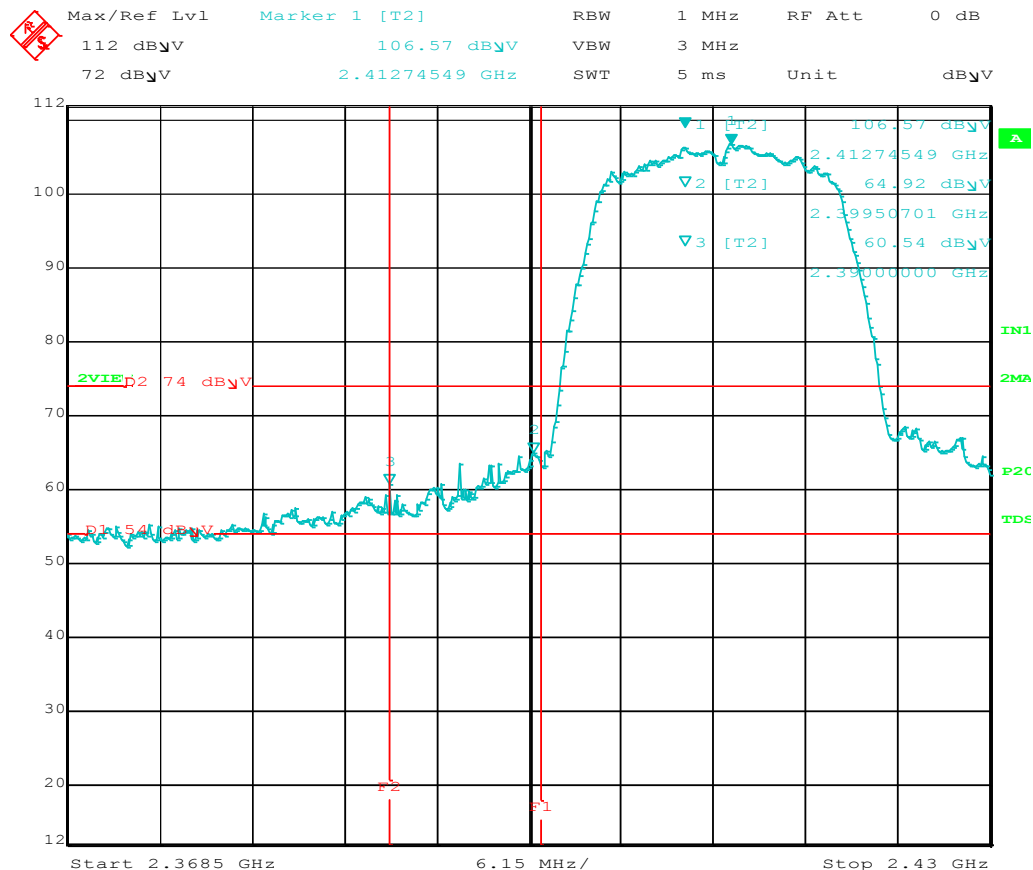
Date: 10/11/2017  
Lab: P  
Test ENG: Jorge Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

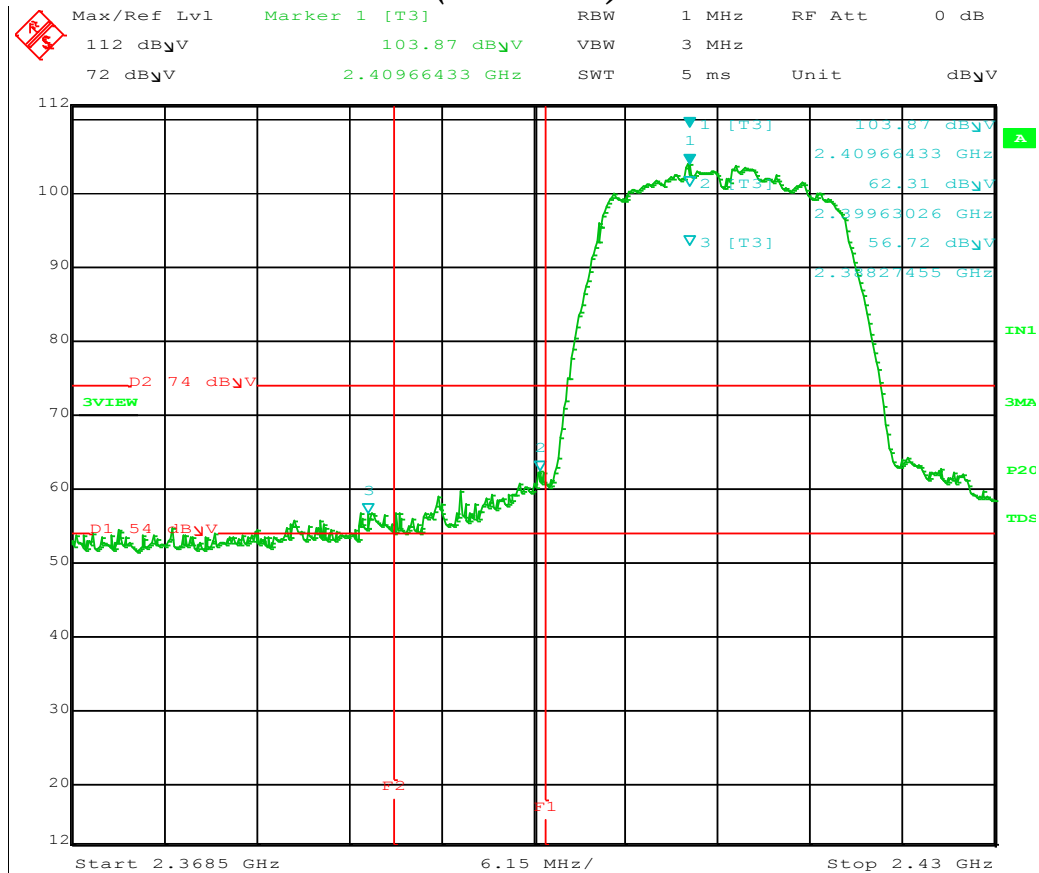
Freq. (MHz)	Level (dBµV/m)	Pol	Limit (dBµV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2409.66	103.87	V	--	--	Peak	1.07	167	Fundamental of Low Channel
2399.63	62.31	V	83.87	-21.56	Delta	1.07	167	From Peak
2388.27	56.72	V	73.98	-17.26	Peak	1.07	167	<b>No</b> Marker Delta Method Used
2388.27	39.53	V	53.98	-14.45	Avg	1.07	167	
2459.48	104.06	V	--	--	Peak	1.05	160	Fundamental of High Channel
2484.10	66.39	V	73.98	-7.59	Peak	1.05	160	<b>No</b> Marker Delta Method Used
2484.10	44.33	V	53.98	-9.65	Avg	1.05	160	

Test Distance  
3 Meters

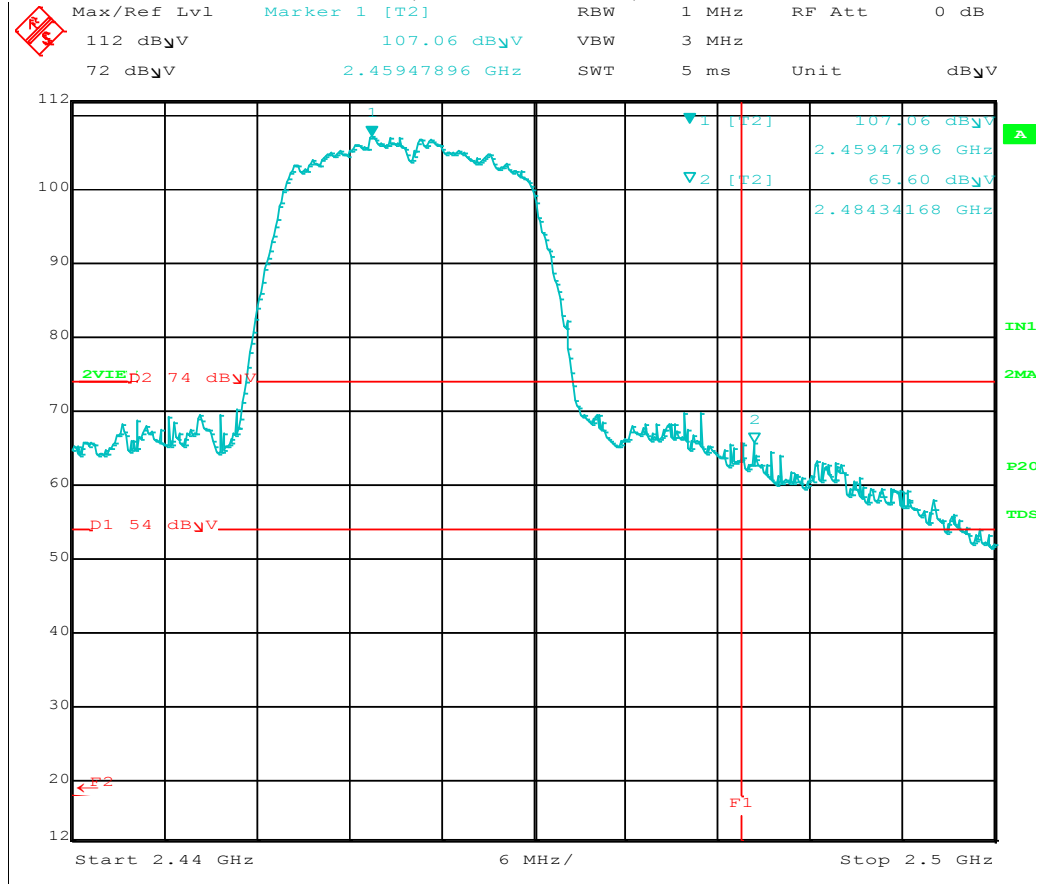
## LOWER BAND EDGE (Horizontal)



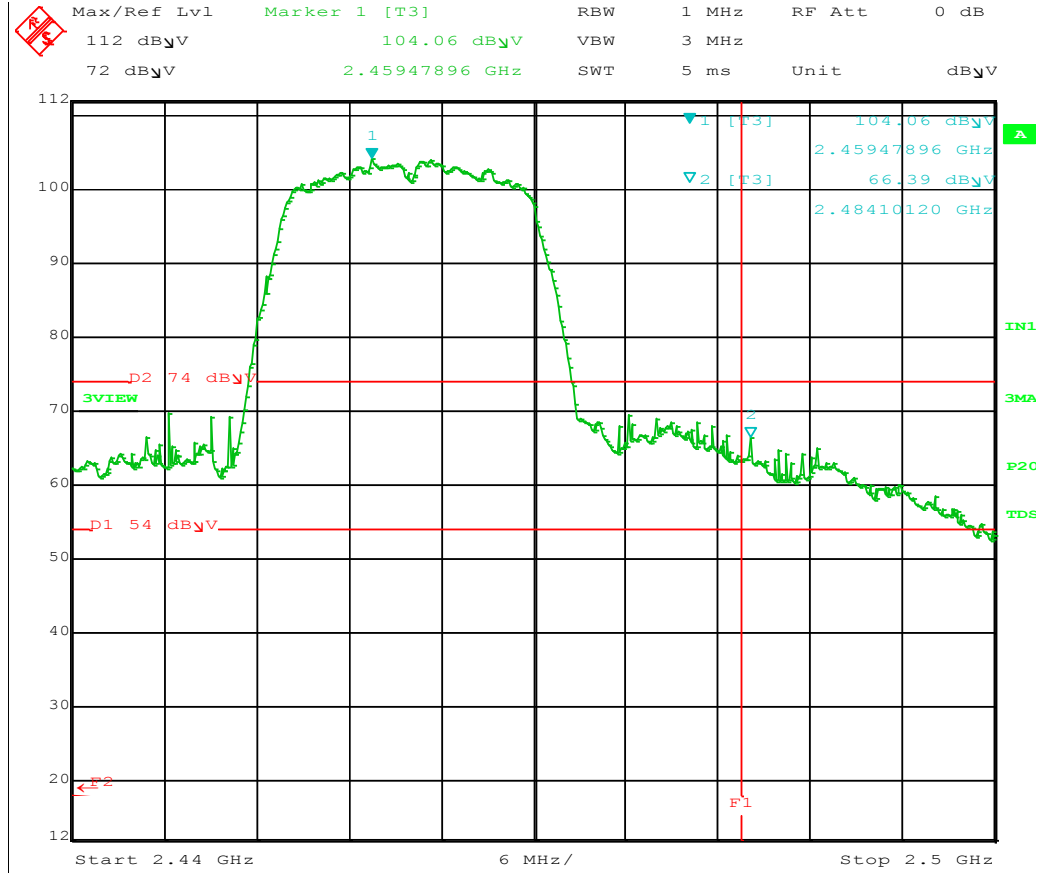
## LOWER BAND EDGE (Vertical)



## UPPER BAND EDGE (Horizontal)



## UPPER BAND EDGE (Vertical)





***EMISSIONS RADIATED OUTSIDE OF THE FUNDAMENTAL  
FREQUENCY BAND AT BAND EDGES***

***DATA SHEETS***

***802.11n (20 MHz)***

***ANTENNA 1***

## BAND EDGES- HORIZONTAL

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/11/2017  
Lab: P  
Test ENG: Jorge Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBµV/m)	Pol	Limit (dBµV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2413.21	84.79	H	--	--	Peak	1.69	209	Fundamental of Low Channel
2396.74	49.48	H	64.79	-15.31	Delta	1.69	209	From Peak
2388.75	49.11	H	73.98	-24.87	Peak	1.69	209	<b>No</b> Marker Delta Method Used
2388.75	36.19	H	53.98	-17.79	Avg	1.69	209	
2459.18	88.75	H	--	--	Peak	1.40	195	Fundamental of High Channel
2483.65	51.48	H	73.98	-22.50	Peak	1.40	195	<b>No</b> Marker Delta Method Used
2483.65	37.80	H	53.98	-16.18	Avg	1.40	195	

Test Distance  
3 Meters

## BAND EDGES- VERTICAL

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

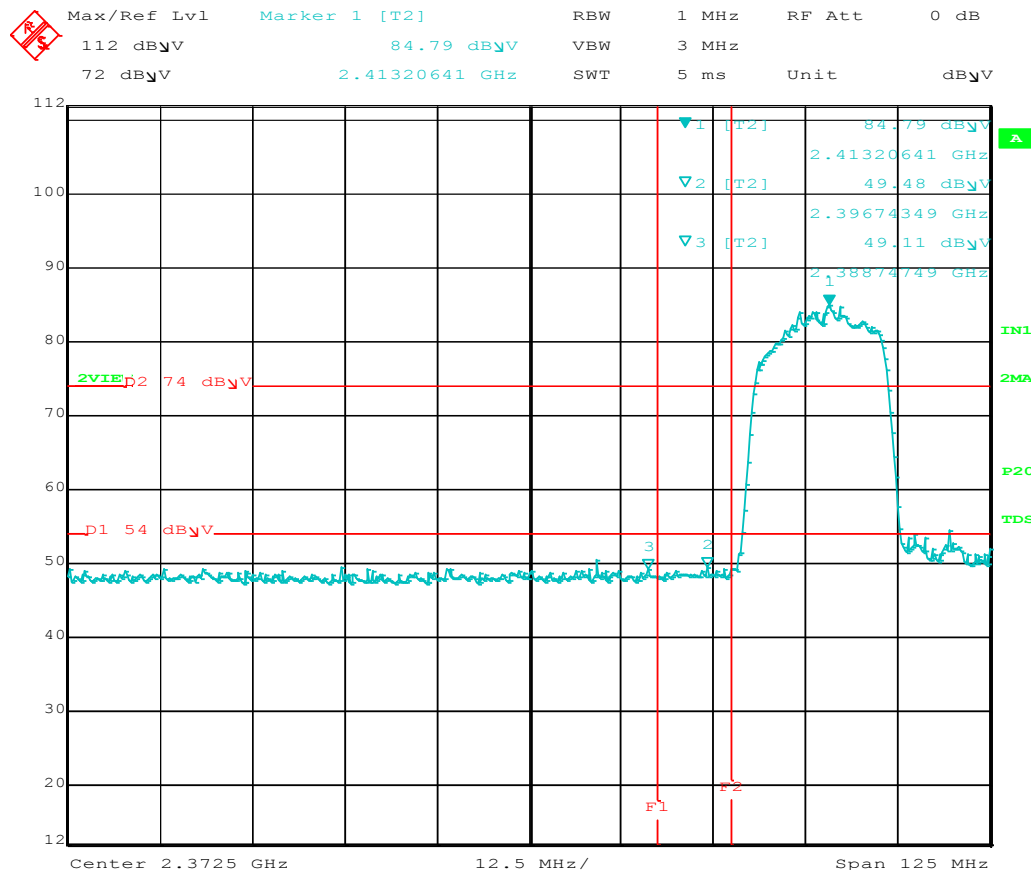
Date: 10/11/2017  
Lab: P  
Test ENG: Jorge Reyes

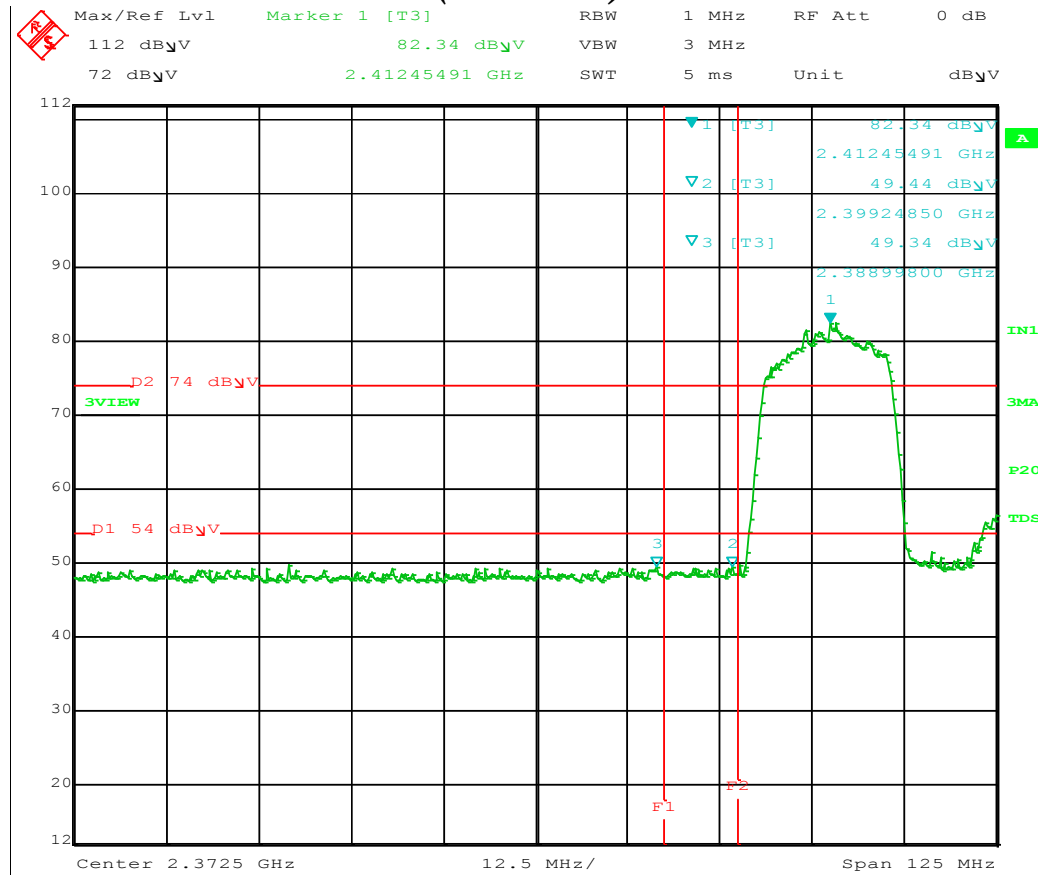
**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBµV/m)	Pol	Limit (dBµV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2412.45	82.34	V	--	--	Peak	1.2	155	Fundamental of Low Channel
2399.25	49.44	V	62.34	-12.90	Delta	1.2	155	From Peak
2389.00	49.34	V	73.98	-24.64	Peak	1.2	155	<b>No</b> Marker Delta Method Used
2389.00	36.19	V	53.98	-17.79	Avg	1.2	155	
2462.93	88.66	V	--	--	Peak	1.57	150	Fundamental of High Channel
2483.87	49.72	V	73.98	-24.26	Peak	1.57	150	<b>No</b> Marker Delta Method Used
2483.87	36.98	V	53.98	-17.00	Avg	1.57	150	

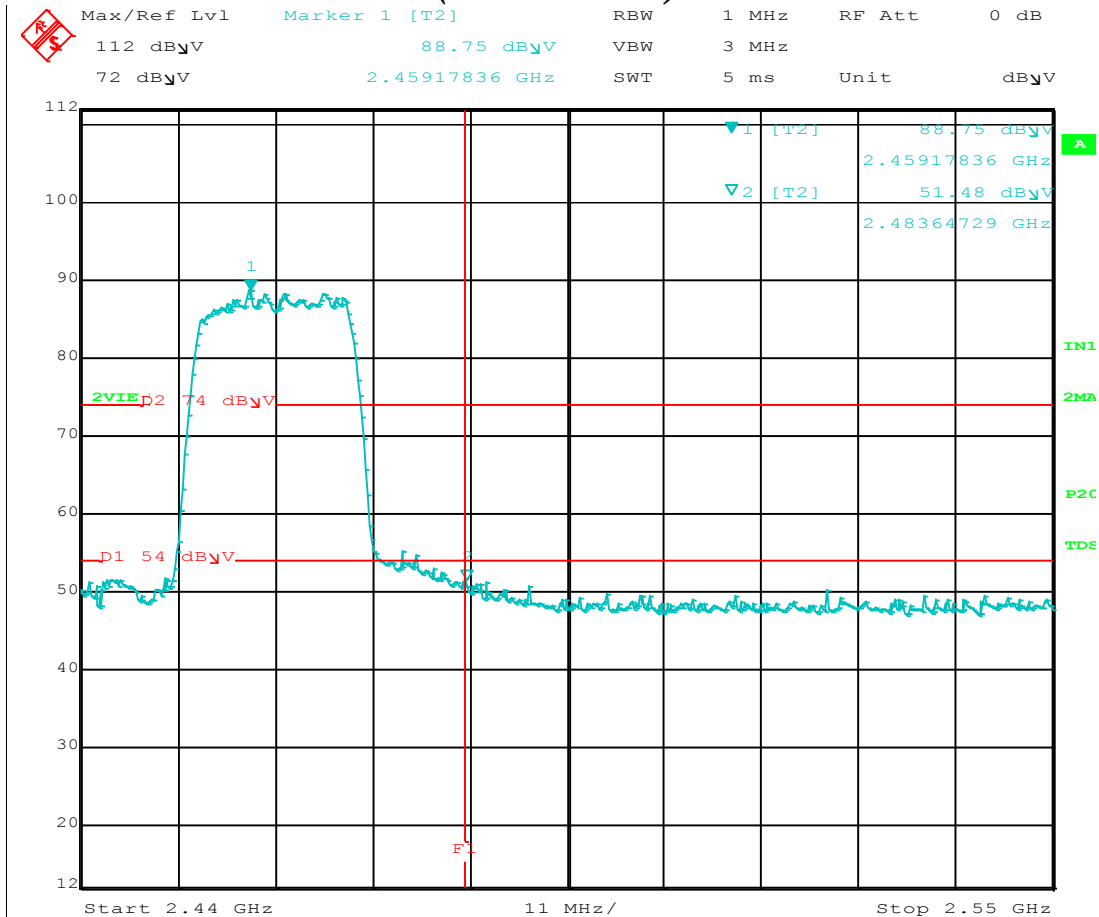
Test Distance  
3 Meters

## LOWER BAND EDGE (Horizontal)

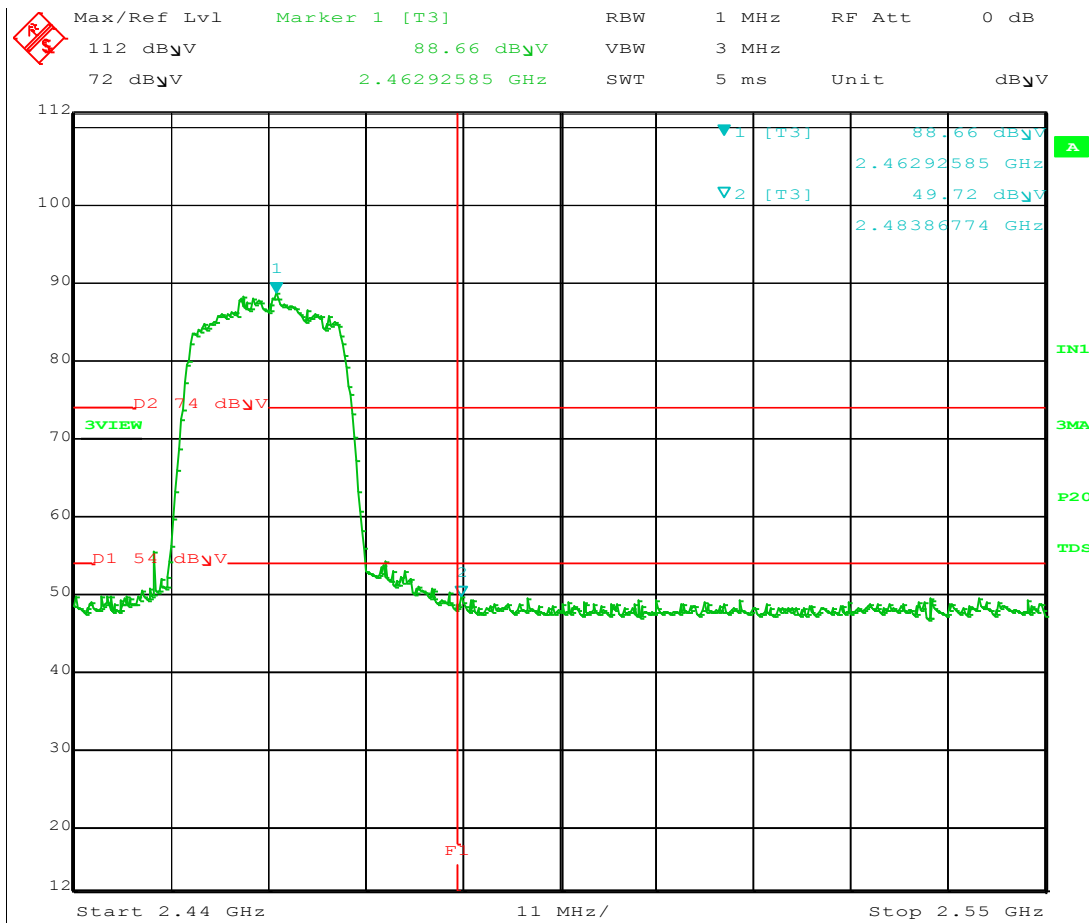




## UPPER BAND EDGE (Horizontal)



## UPPER BAND EDGE (Vertical)



***EMISSIONS RADIATED OUTSIDE OF THE FUNDAMENTAL  
FREQUENCY BAND AT BAND EDGES***

***DATA SHEETS***

***802.11n (20 MHz)***

***ANTENNA 2***



## BAND EDGES- HORIZONTAL

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/11/2017  
Lab: P  
Test ENG: Jorge Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBµV/m)	Pol	Limit (dBµV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2413.13	105.42	H	--	--	Peak	1.38	141	Fundamental of Low Channel
2400.00	62.88	H	85.42	-22.54	Delta	1.38	141	From Peak
2386.74	57.05	H	73.98	-16.93	Peak	1.38	141	No Marker Delta Method Used
2386.74	39.58	H	53.98	-14.40	Avg	1.38	141	
2463.13	105.32	H	--	--	Peak	1.00	120	Fundamental of High Channel
2483.50	64.49	H	73.98	-9.49	Peak	1.00	120	No Marker Delta Method Used
2483.50	43.16	H	53.98	-10.82	Avg	1.00	120	

Test Distance  
3 Meters

## BAND EDGES- VERTICAL

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

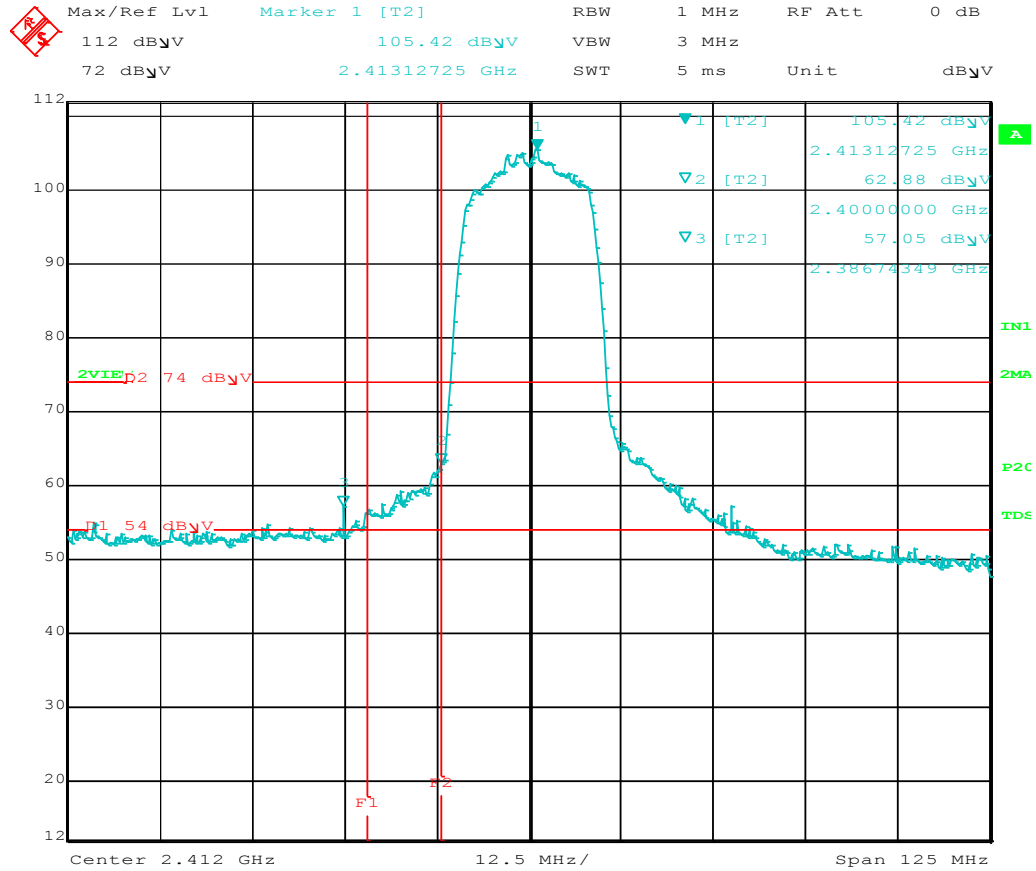
Date: 10/13/2017  
Lab: P  
Test ENG: Jorge Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

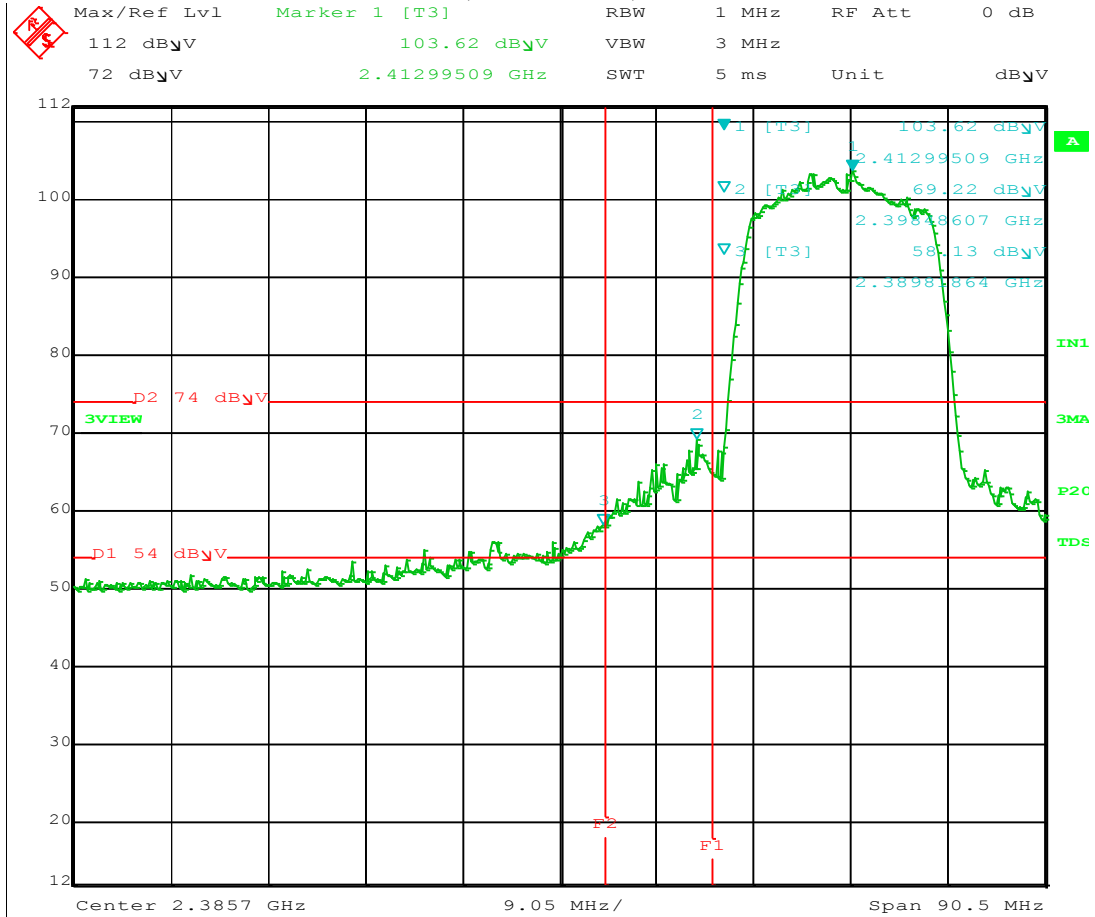
Freq. (MHz)	Level (dBµV/m)	Pol	Limit (dBµV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2413.00	103.62	V	--	--	Peak	1	170	Fundamental of Low Channel
2398.49	60.98	V	83.62	-22.64	Delta	1	170	From Peak
2389.82	58.13	V	73.98	-15.85	Peak	1	170	<b>No</b> Marker Delta Method Used
2389.82	48.62	V	53.98	-5.36	Avg	1	170	
2462.88	103.95	V	--	--	Peak	1.06	165	Fundamental of High Channel
2483.75	66.21	V	73.98	-7.77	Peak	1.06	165	<b>No</b> Marker Delta Method Used
2483.75	45.04	V	53.98	-8.94	Avg	1.06	165	

Test Distance  
3 Meters

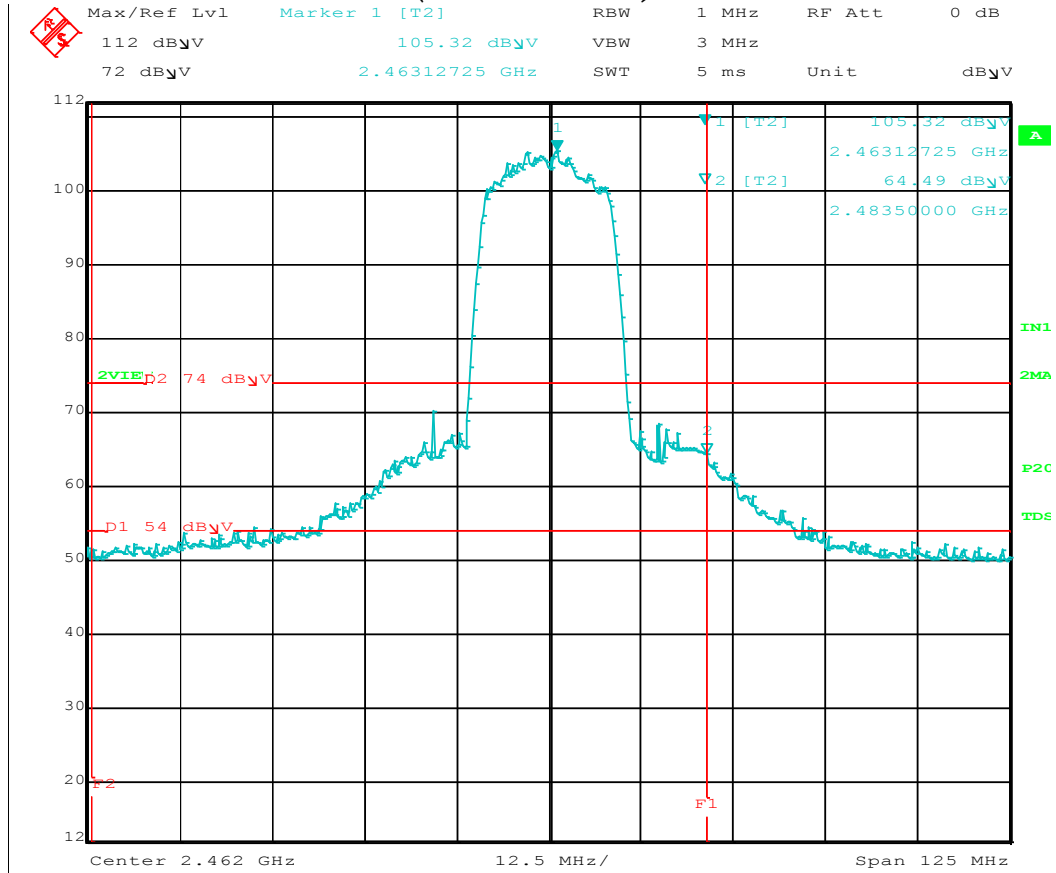
## LOWER BAND EDGE (Horizontal)



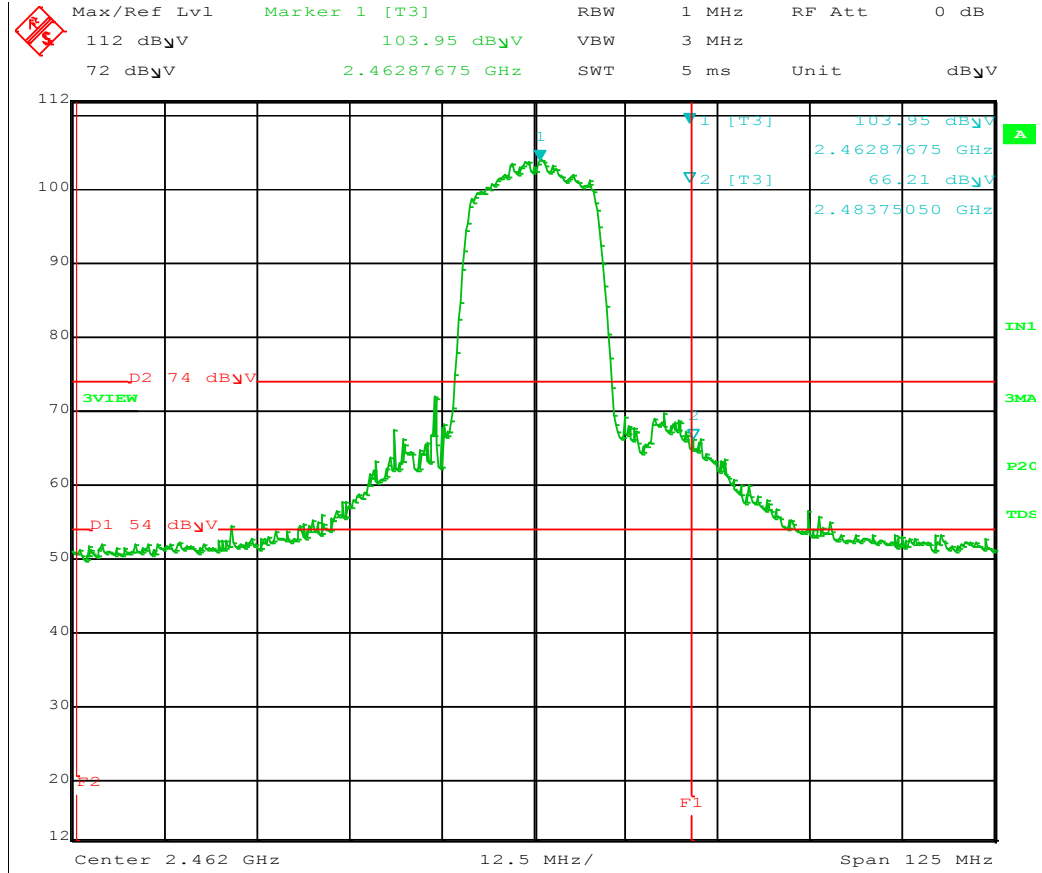
## LOWER BAND EDGE (Vertical)



## UPPER BAND EDGE (Horizontal)



## UPPER BAND EDGE (Vertical)



***EMISSIONS RADIATED OUTSIDE OF THE FUNDAMENTAL  
FREQUENCY BAND AT BAND EDGES***

***DATA SHEETS***

***802.11n (40 MHz)***

***ANTENNA 1***

## BAND EDGES- HORIZONTAL

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/11/2017  
Lab: P  
Test ENG: Jorge Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dB $\mu$ V/m)	Pol	Limit (dB $\mu$ V/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2428.09	82.12	H	--	--	Peak	1.88	203	Fundamental of Low Channel
2398.95	49.01	H	62.12	-13.11	Delta	1.88	203	From Peak
2387.19	49.67	H	73.98	-24.31	Peak	1.88	203	<b>No</b> Marker Delta Method Used
2387.19	36.16	H	53.98	-17.82	Avg	1.88	203	
2457.78	86.92	H	--	--	Peak	1.31	190	Fundamental of High Channel
2486.17	54.76	H	73.98	-19.22	Peak	1.31	190	<b>No</b> Marker Delta Method Used
2486.17	39.68	H	53.98	-14.30	Avg	1.31	190	

Test Distance  
3 Meters



## BAND EDGES- VERTICAL

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

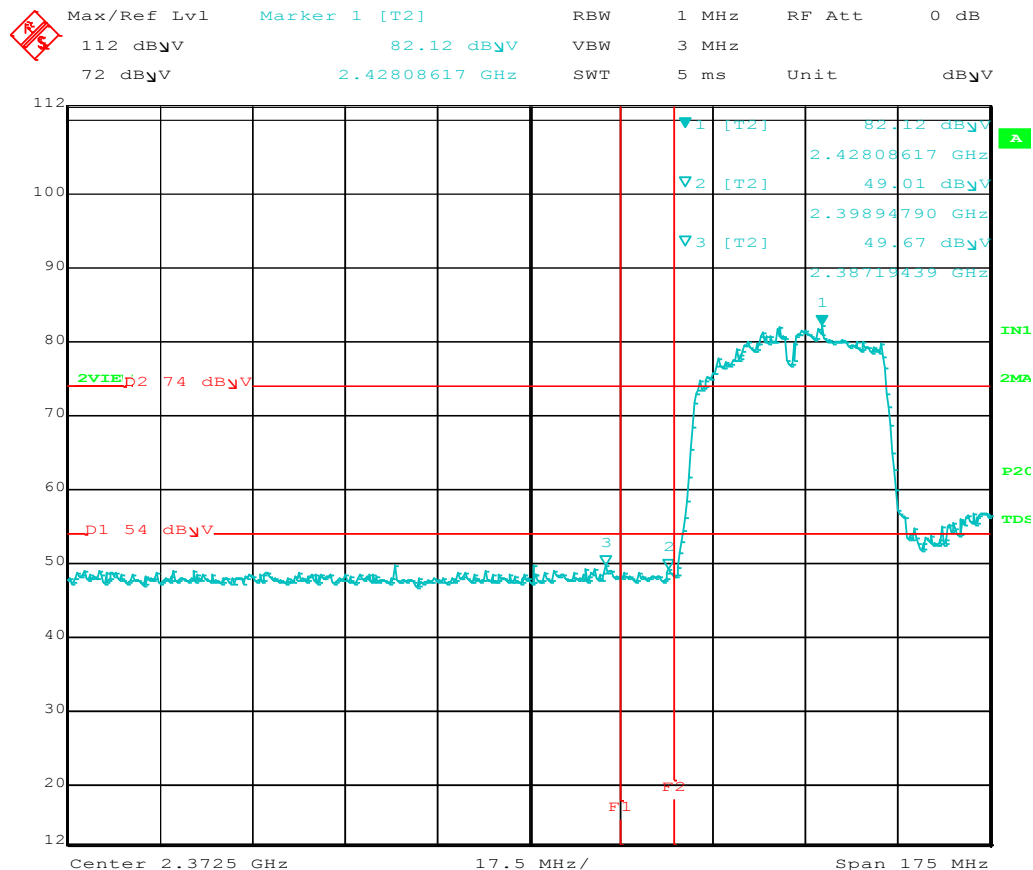
Date: 10/11/2017  
Lab: P  
Test ENG: Jorge Reyes

**Compatible Electronics, Inc. FAC-3 ( Lab P )**

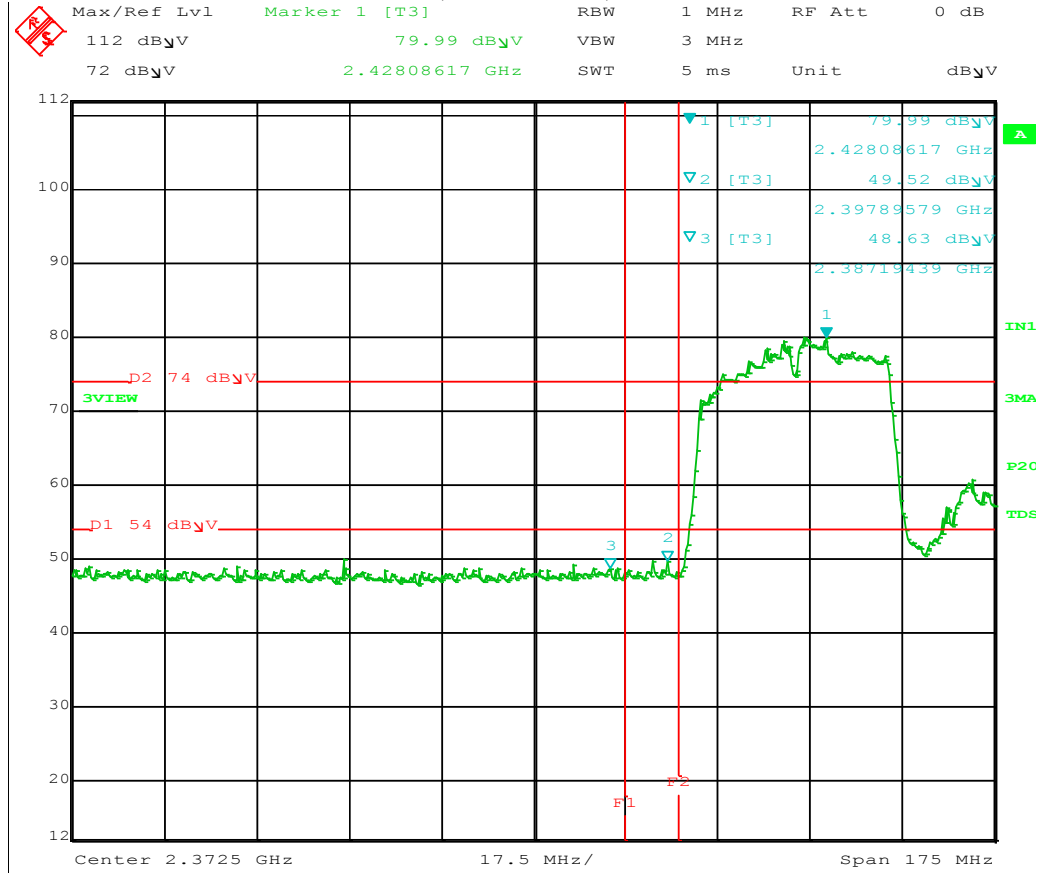
Freq. (MHz)	Level (dBµV/m)	Pol	Limit (dBµV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2428.09	79.99	V	--	--	Peak	1.59	158	Fundamental of Low Channel
2397.90	49.52	V	59.99	-10.47	Delta	1.59	158	From Peak
2387.19	48.63	V	73.98	-25.35	Peak	1.59	158	<b>No</b> Marker Delta Method Used
2387.19	36.16	V	53.98	-17.82	Avg	1.59	158	
2457.78	82.93	V	--	--	Peak	1.54	155	Fundamental of High Channel
2486.37	51.54	V	73.98	-22.44	Peak	1.54	155	<b>No</b> Marker Delta Method Used
2486.37	37.32	V	53.98	-16.66	Avg	1.54	155	

Test Distance  
3 Meters

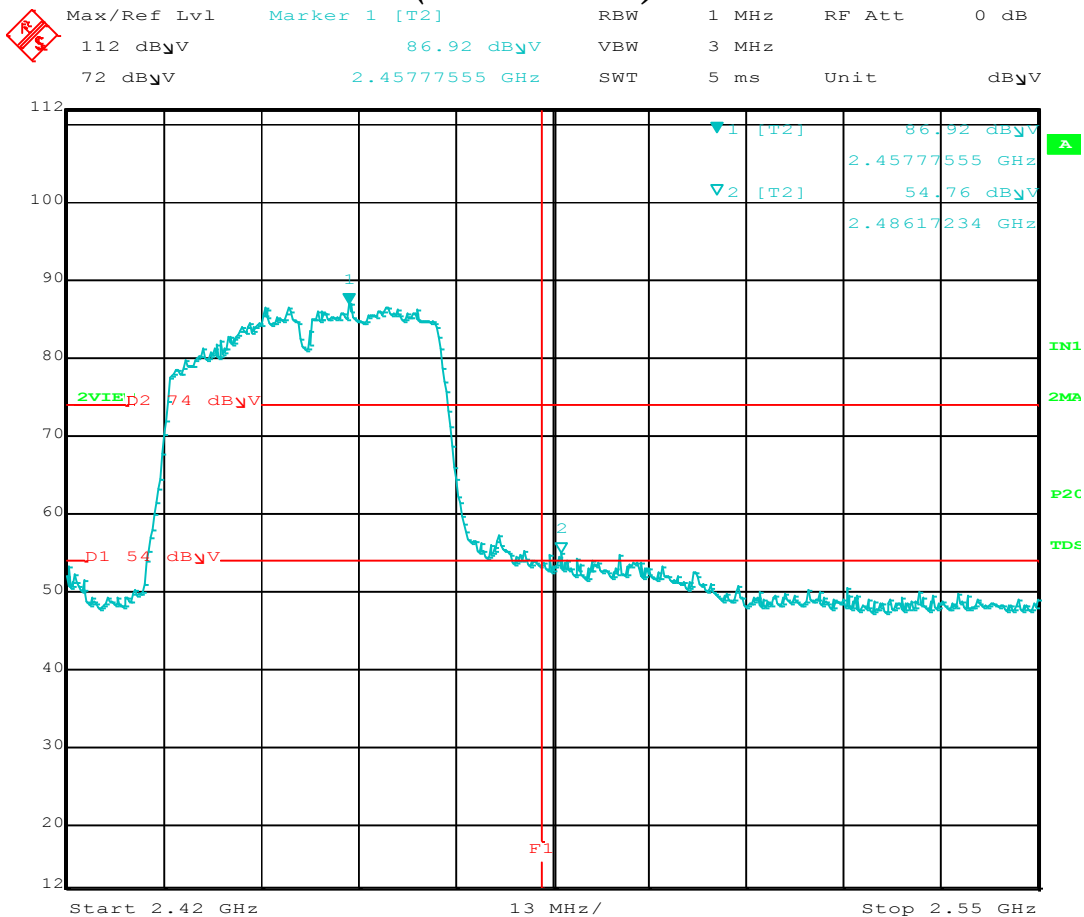
## LOWER BAND EDGE (Horizontal)



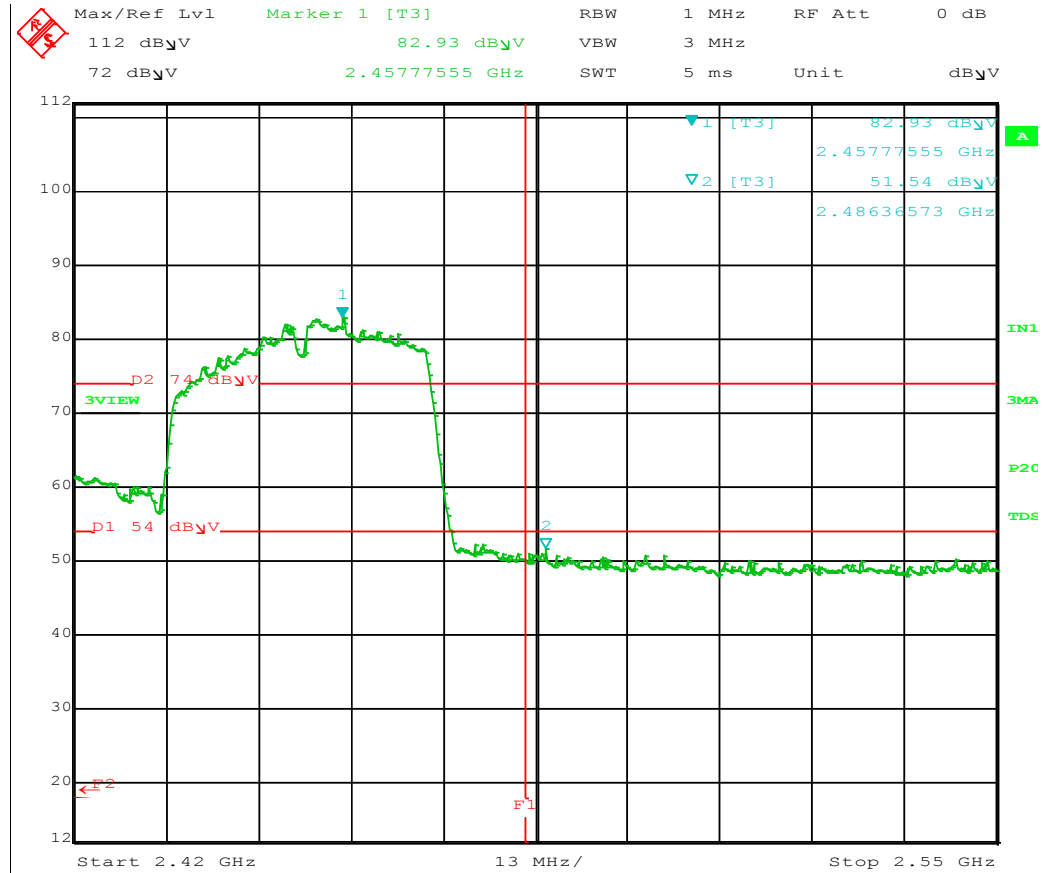
## LOWER BAND EDGE (Vertical)



## UPPER BAND EDGE (Horizontal)



***UPPER BAND EDGE***  
***(Vertical)***



***EMISSIONS RADIATED OUTSIDE OF THE FUNDAMENTAL  
FREQUENCY BAND AT BAND EDGES***

***DATA SHEETS***

***802.11n (40 MHz)***

***ANTENNA 2***

## BAND EDGES- HORIZONTAL

### FCC 15.247

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 1

Date: 10/13/2017  
Lab: P  
Test ENG: Jorge Reyes

### Compatible Electronics, Inc. FAC-3 ( Lab P )

Freq. (MHz)	Level (dBµV/m)	Pol	Limit (dBµV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2416.71	102.72	H	--	--	Peak	1.3	144	Fundamental of Low Channel
2400.00	63.38	H	82.72	-19.34	Delta	1.3	144	From Peak
2377.19	58.65	H	73.98	-15.33	Peak	1.3	144	<b>No</b> Marker Delta Method Used
2377.19	40.64	H	53.98	-13.34	Avg	1.3	144	
2458.04	103.62	H	--	--	Peak	1.00	120	Fundamental of High Channel
2486.43	65.85	H	73.98	-8.13	Peak	1.00	120	<b>No</b> Marker Delta Method Used
2486.43	46.52	H	53.98	-7.46	Avg	1.00	120	

Test Distance  
3 Meters

## BAND EDGES- VERTICAL

**FCC 15.247**

Company: Phyn LLC  
EUT: Leak Detector  
Model: PHYPF001  
Antenna: 2

Date: 10/13/2017  
Lab: P  
Test ENG: Jorge Reyes

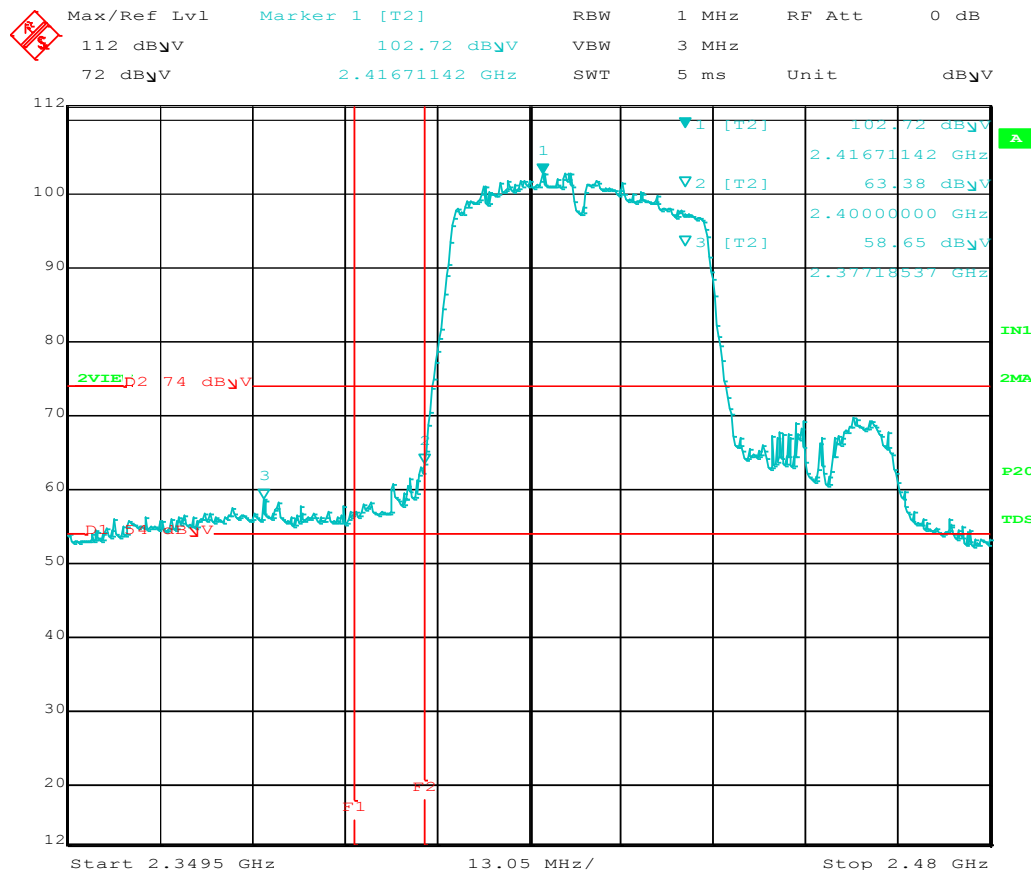
**Compatible Electronics, Inc. FAC-3 ( Lab P )**

Freq. (MHz)	Level (dBµV/m)	Pol	Limit (dBµV/m)	Margin (dB)	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2416.71	100.40	V	--	--	Peak	1	171	Fundamental of Low Channel
2399.22	60.81	V	80.40	-19.59	Delta	1	171	From Peak
2379.28	57.78	V	73.98	-16.20	Peak	1	171	<b>No</b> Marker Delta Method Used
2379.28	40.74	V	53.98	-13.24	Avg	1	171	
2457.81	100.44	V	--	--	Peak	1	175	Fundamental of High Channel
2485.84	65.54	V	73.98	-8.44	Peak	1	175	<b>No</b> Marker Delta Method Used
2485.84	46.52	V	53.98	-7.46	Avg	1	175	

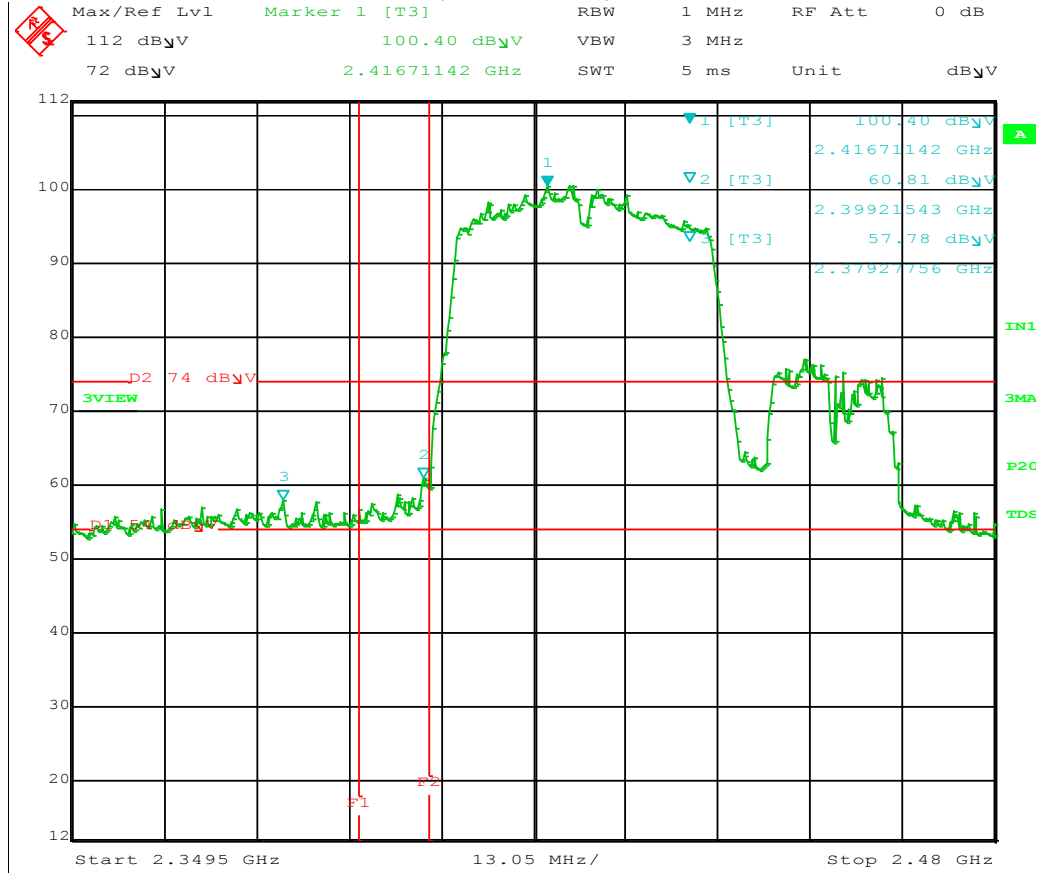
Test Distance  
3 Meters



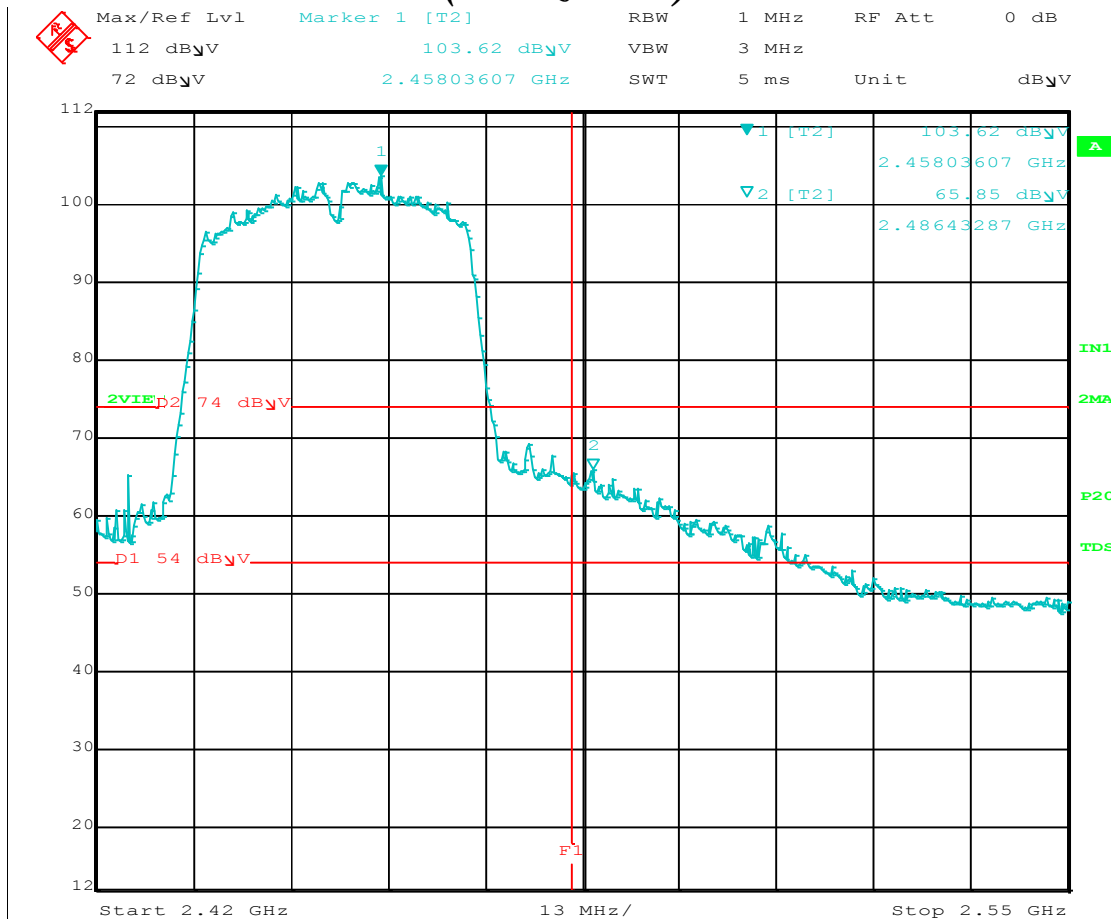
## LOWER BAND EDGE (Horizontal)



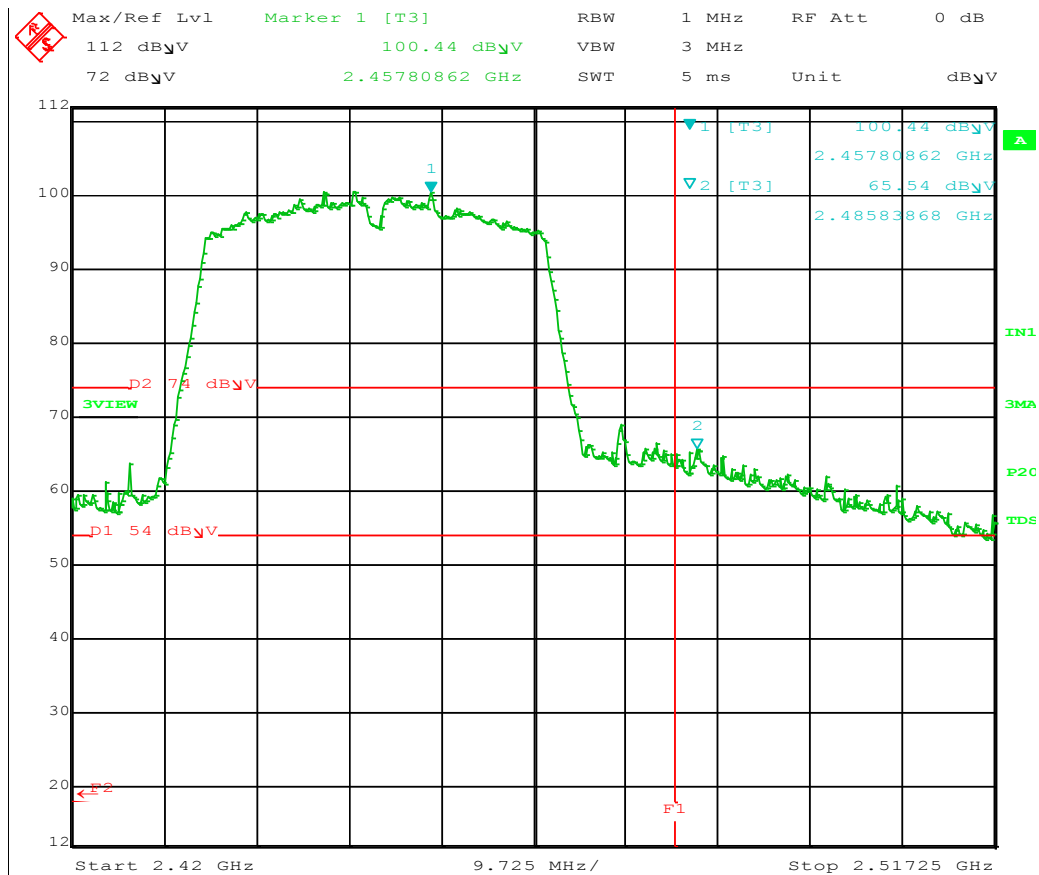
## LOWER BAND EDGE (Vertical)



## UPPER BAND EDGE (Horizontal)



## UPPER BAND EDGE (Vertical)



***OCCUPIED BANDWIDTH***

***802.11b***

***ANTENNA 1***

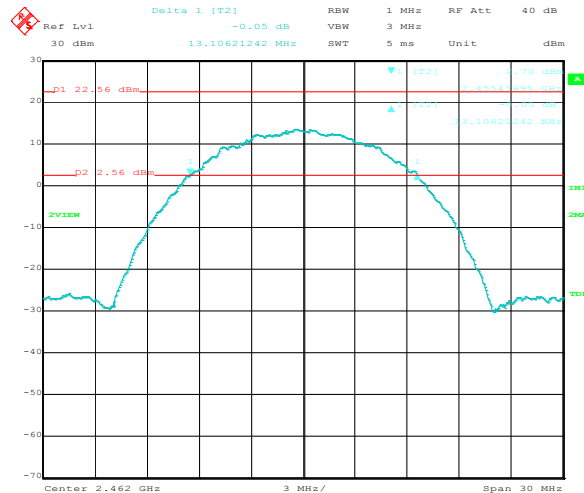
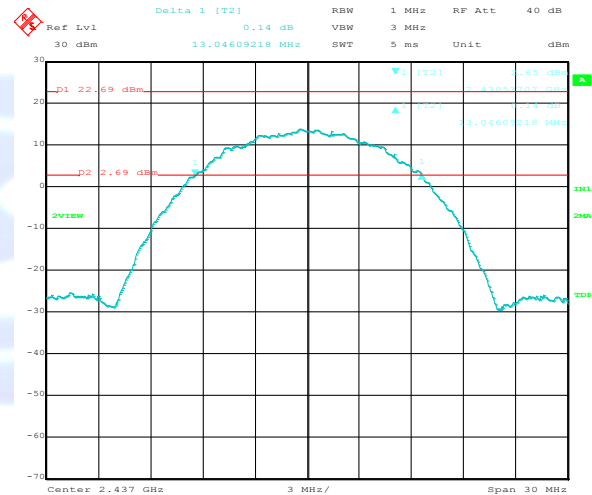
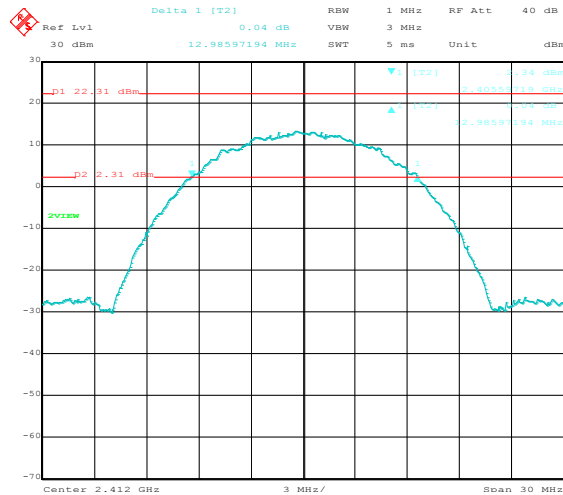
## IC BANDWIDTH

### FCC 15.247

Company:	Phyn LLC	Date:	10/26/2017
EUT:	Leak Detector	Lab:	P
Model:	PHYPF001	Test ENG:	Jorge Reyes
Mode:	802.11b		
Antenna:	1		

Compatible Electronics, Inc. FAC-3 ( Lab P )

Freq. (MHz)	Measured BW (MHz)	Comments
2412	12985.97	99%
2437	13046.09	99%
2462	13106.21	99%



***OCCUPIED BANDWIDTH***

***802.11b***

***ANTENNA 2***

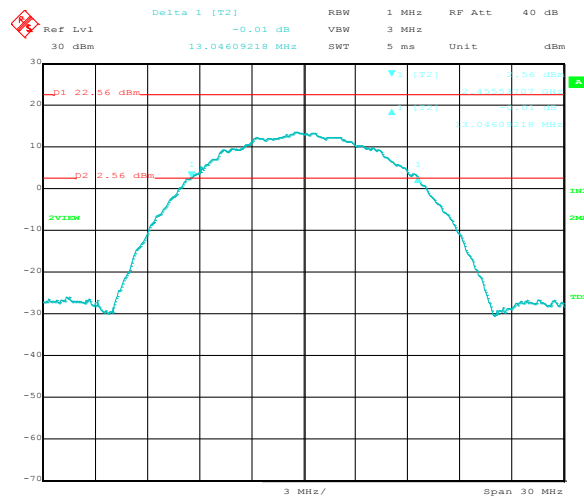
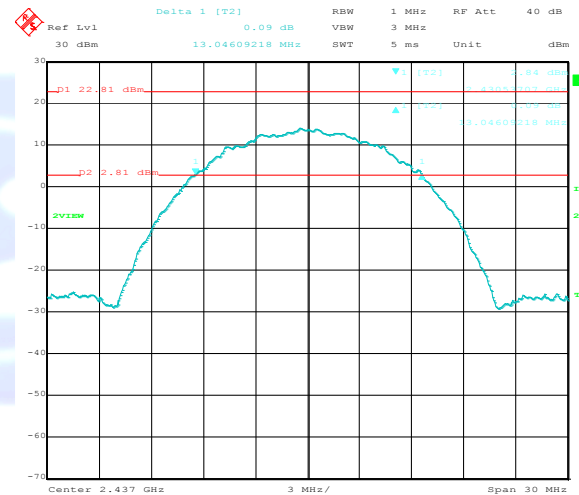
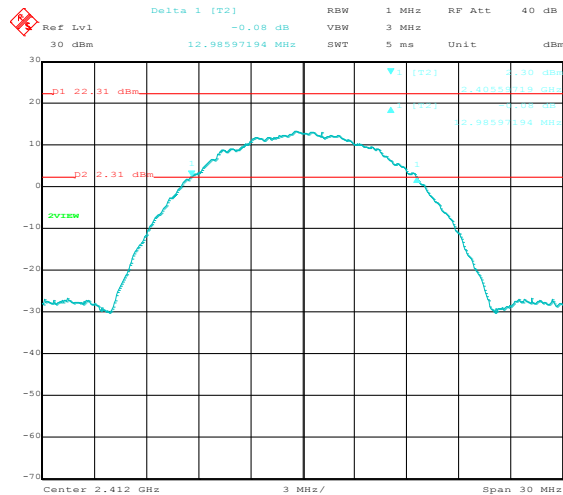
## IC BANDWIDTH

### FCC 15.247

Company:	Phyn LLC	Date:	10/26/2017
EUT:	Leak Detector	Lab:	P
Model:	PHYPF001	Test ENG:	Jorge Reyes
Mode:	802.11b		
Antenna:	2		

Compatible Electronics, Inc. FAC-3 ( Lab P )

Freq. (MHz)	Measured BW (MHz)	Comments
2412	12985.97	99%
2437	13046.09	99%
2462	13046.09	99%



Date: 1.JAN.1997 02:48:23



***OCCUPIED BANDWIDTH***

***802.11g***

***ANTENNA 1***

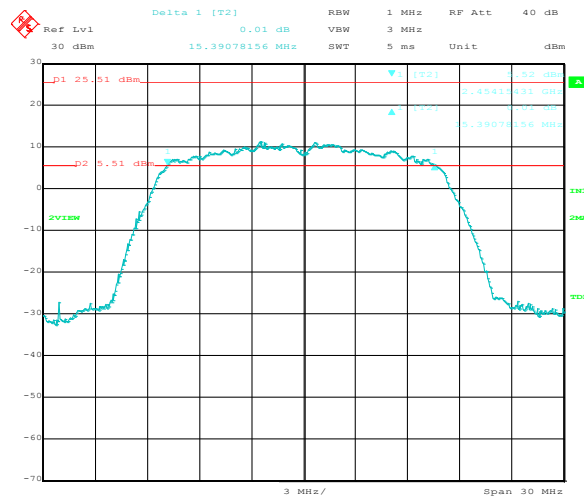
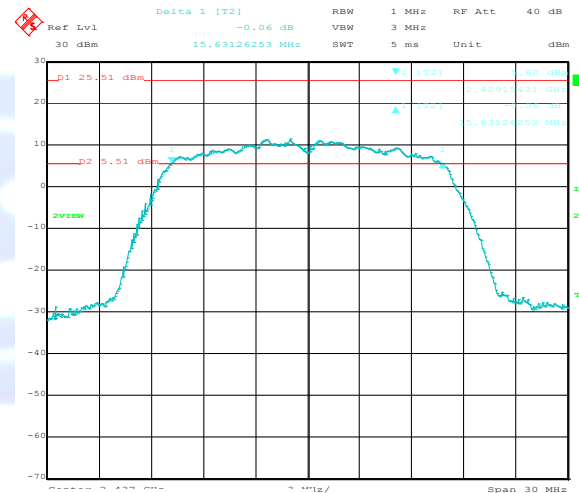
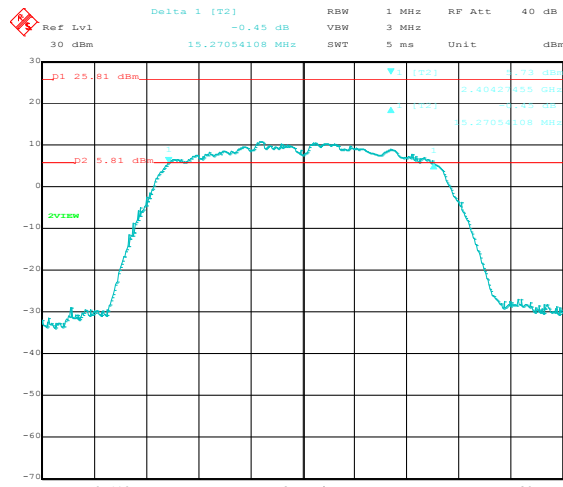
## IC BANDWIDTH

### FCC 15.247

Company:	Phyn LLC	Date:	10/26/2017
EUT:	Leak Detector	Lab:	P
Model:	PHYPF001	Test ENG:	Jorge Reyes
Mode:	802.11g		
Antenna:	1		

Compatible Electronics, Inc. FAC-3 ( Lab P )

Freq. (MHz)	Measured BW (MHz)	Comments
2412	15270.54	99%
2437	15631.26	99%
2462	15390.78	99%



Date: 1.JAN.1997 02:02:13

***OCCUPIED BANDWIDTH***

***802.11g***

***ANTENNA 2***

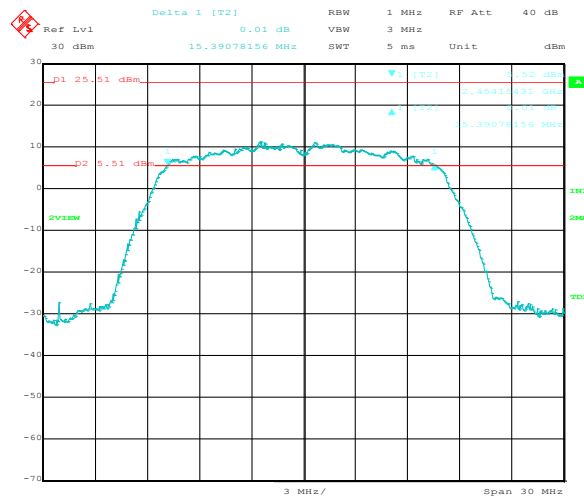
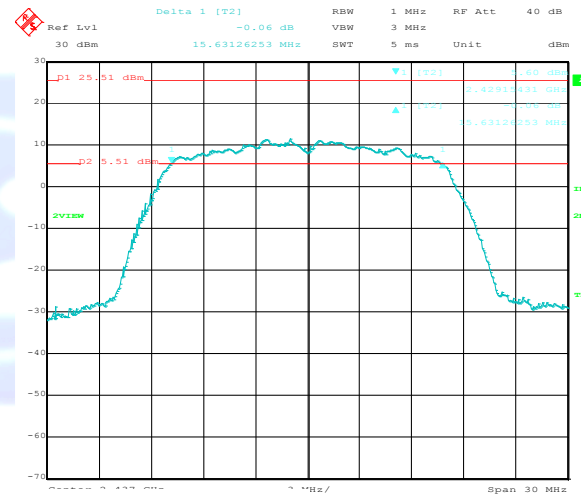
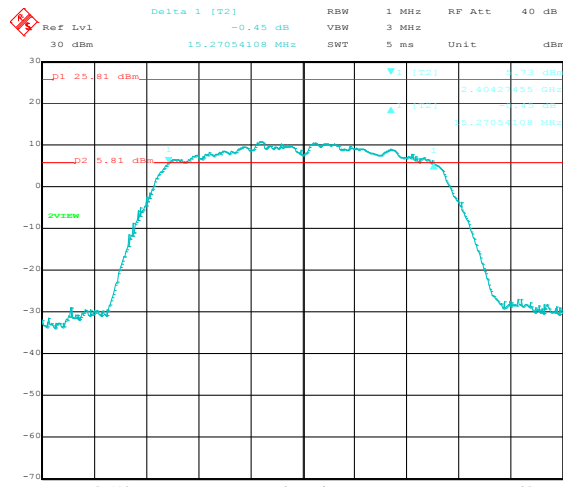
## IC BANDWIDTH

### FCC 15.247

Company:	Phyn LLC	Date:	10/26/2017
EUT:	Leak Detector	Lab:	P
Model:	PHYPF001	Test ENG:	Jorge Reyes
Mode:	802.11g		
Antenna:	2		

Compatible Electronics, Inc. FAC-3 ( Lab P )

Freq. (MHz)	Measured BW (MHz)	Comments
2412	15270.54	99%
2437	15691.38	99%
2462	15751.50	99%



Date: 1.JAN.1997 02:02:13

***OCCUPIED BANDWIDTH***

***802.11n (20 MHz)***

***ANTENNA 1***

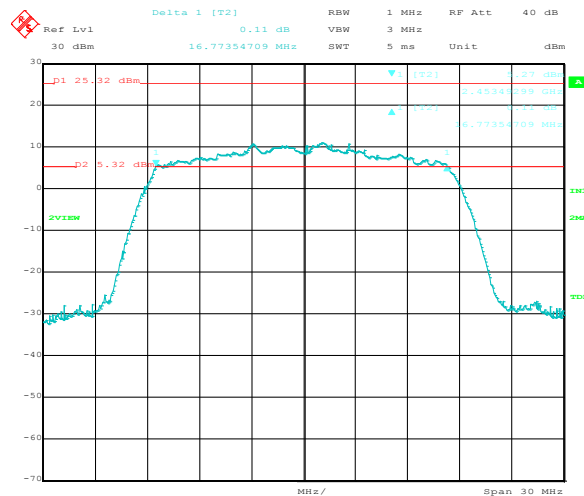
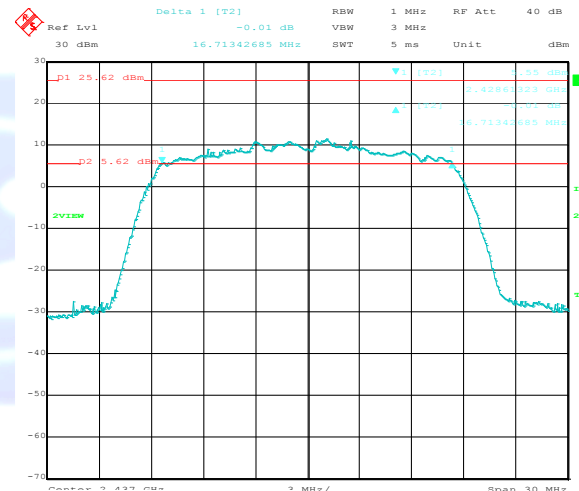
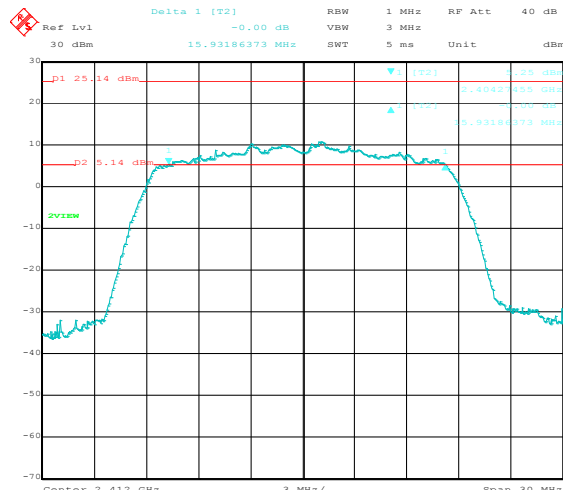
## IC BANDWIDTH

### FCC 15.247

Company:	Phyn LLC	Date:	10/26/2017
EUT:	Leak Detector	Lab:	P
Model:	PHYPF001	Test ENG:	Jorge Reyes
Mode:	802.11n		
Antenna:	1		

Compatible Electronics, Inc. FAC-3 ( Lab P )

Freq. (MHz)	Measured BW (MHz)	Comments
2412	15931.86	99%
2437	16713.43	99%
2462	16773.55	99%



Date: 1.JAN.1997 02:31:48

***OCCUPIED BANDWIDTH***

***802.11n (20 MHz)***

***ANTENNA 2***

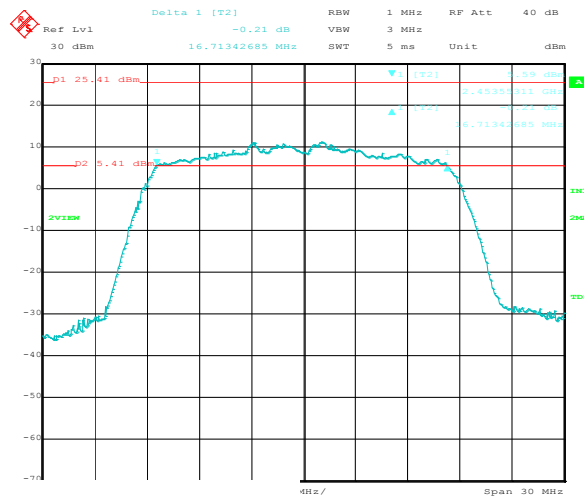
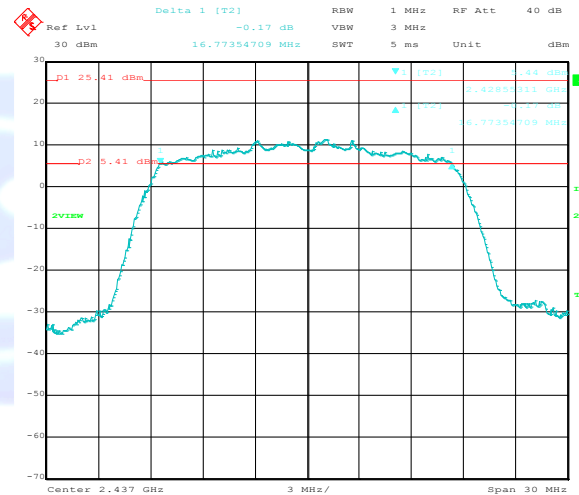
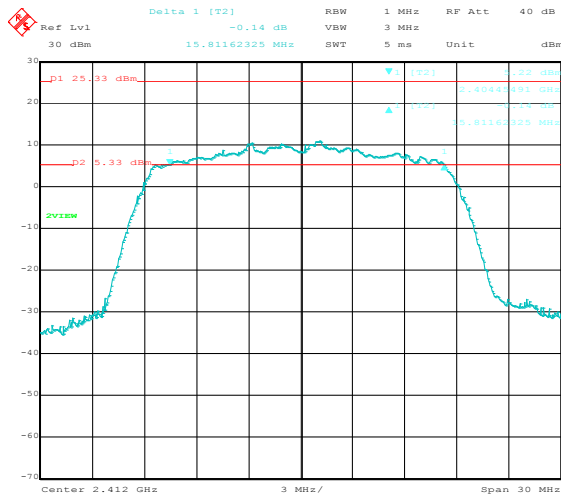
## IC BANDWIDTH

### FCC 15.247

Company:	Phyn LLC	Date:	10/26/2017
EUT:	Leak Detector	Lab:	P
Model:	PHYPF001	Test ENG:	Jorge Reyes
Mode:	802.11n		
Antenna:	2		

Compatible Electronics, Inc. FAC-3 ( Lab P )

Freq. (MHz)	Measured BW (MHz)	Comments
2412	15811.62	99%
2437	16773.55	99%
2462	16713.43	99%



Comment: N/A  
Date: 1 JAN 1997 03:22:40



***OCCUPIED BANDWIDTH***

***802.11n (40 MHz)***

***ANTENNA 1***

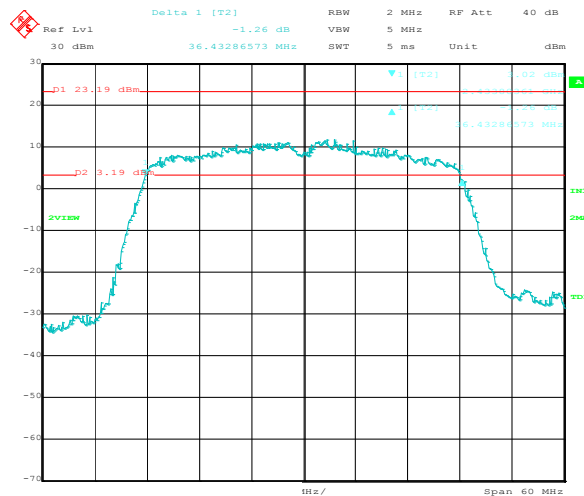
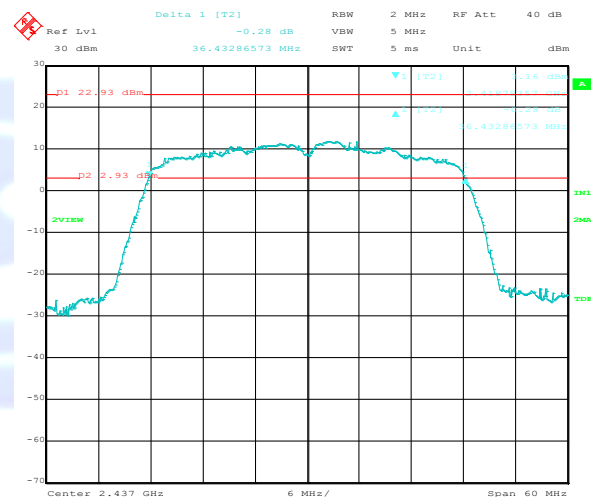
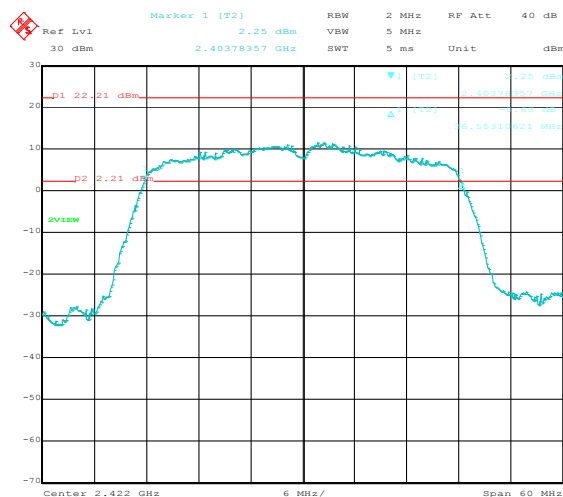
## IC BANDWIDTH

### FCC 15.247

Company:	Phyn LLC	Date:	10/26/2017
EUT:	Leak Detector	Lab:	P
Model:	PHYPF001	Test ENG:	Jorge Reyes
Mode:	802.11n		
Antenna:	1		

Compatible Electronics, Inc. FAC-3 ( Lab P )

Freq. (MHz)	Measured BW (MHz)	Comments
2422	36553.11	99%
2437	36432.87	99%
2452	36432.87	99%



Date: 1.JAN.1997 00:31:03

***OCCUPIED BANDWIDTH***

***802.11n (40 MHz)***

***ANTENNA 2***

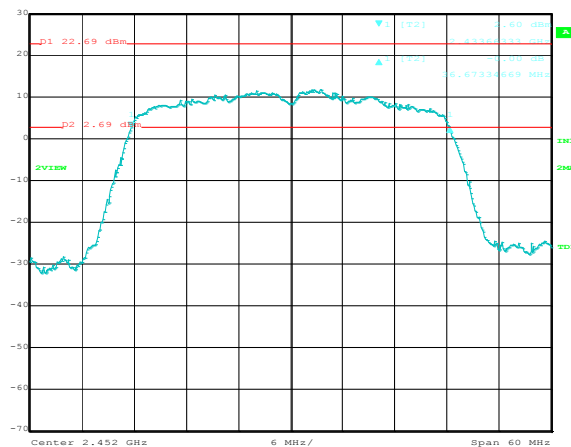
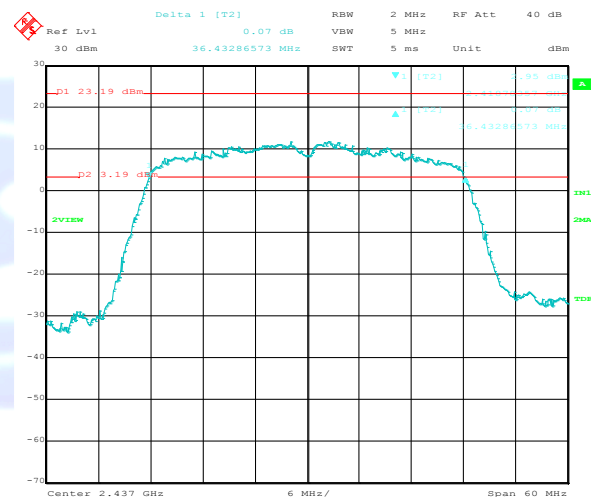
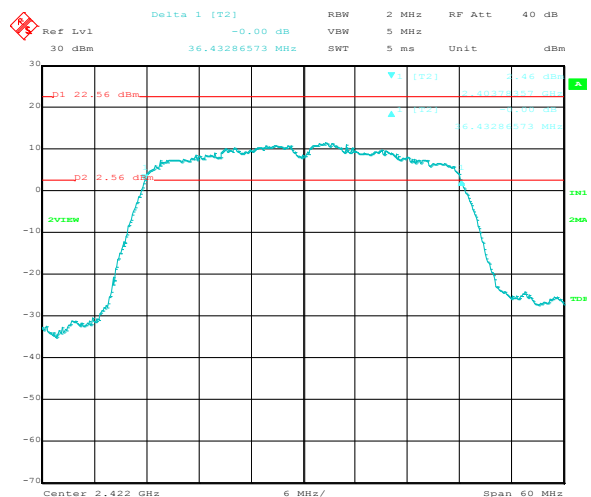
## IC BANDWIDTH

### FCC 15.247

Company:	Phyn LLC	Date:	10/26/2017
EUT:	Leak Detector	Lab:	P
Model:	PHYPF001	Test ENG:	Jorge Reyes
Mode:	802.11n		
Antenna:	2		

Compatible Electronics, Inc. FAC-3 ( Lab P )

Freq. (MHz)	Measured BW (MHz)	Comments
2422	36432.87	99% Bandwidth
2437	36432.87	99% Bandwidth
2452	36673.35	99% Bandwidth



Comment A: ICBW, 802.11n 40MHzBW high