FCC PART 15, SUBPART B and C
TEST REPORT

for

YODELING WINE TAG

MODEL: WY100-1

Prepared for

INFINID TECHNOLOGIES, INC.
177 E. COLORADO BLVD
PASADENA, CALIFORNIA 91105

Prepared by:_____

EDGAR VALENCIA

Approved by:_____

KYLE FUJIMOTO

COMPATIBLE ELECTRONICS INC.
114 OLINDA DRIVE
BREA, CALIFORNIA 92823
(714) 579-0500

DATE: APRIL 20, 2017

	REPORT BODY	APPENDICES					TOTAL
		A	***B***	***C***	***D***	***E***	
PAGES	16	2	2	2	13	31	**66**

NVLAP® TESTING
NVLAP LAB CODE 200528-0

ilac-MRA

TABLE OF CONTENTS

LIST OF APPENDICES

APPENDIX	TITLE
A	Laboratory Accreditations and Recognitions
B	Modifications to the EUT
C	Additional Model Covered Under This Report
D	Diagrams and Charts • Test Setup Diagrams • Antenna and Effective Gain Factors
E	Data Sheets

LIST OF FIGURES

FIGURE	TITLE
1	Conducted Emissions Test Setup
2	Layout of the Semi-Anechoic Test Chamber

GENERAL REPORT SUMMARY

This electromagnetic emission test report is generated by Compatible Electronics Inc., which is an independent testing and consulting firm. The test report is based on testing performed by Compatible Electronics personnel according to the measurement procedures described in the test specifications given below and in the "Test Procedures" section of this report.

The measurement data and conclusions appearing herein relate only to the sample tested and this report may not be reproduced without the written permission of Compatible Electronics, unless done so in full.

This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the federal government.

Device Tested:	Yodeling Wine Tag Model: WY100-1 S/N: N/A
Product Description:	The EUT is a wireless wine tag.
Modifications:	The EUT was not modified in order to meet the specifications.
Customer:	InfinID Technologies, Inc. 177 E. Colorado Blvd. Pasadena, California 91105
Test Date:	April 17 and 18, 2017

Test Specifications covered by accreditation:

CFR Title 47, Part 15, **Subpart B**; and **Subpart C** sections 15.205, 15.209, and 15.249

NVLAP® TESTING
NVLAP LAB CODE 200528-0

ilac-MRA

Test Configuration: ANSI C63.4: 2014, ANSI C63.10: 2013

SUMMARY OF TEST RESULTS

TEST	DESCRIPTION	RESULTS
1	Spurious Radiated RF Emissions, 9 kHz – 25 GHz (Transmitter and Digital portion)	Complies with the **Class B** limits of CFR Title 47, Part 15 Subpart B; and the limits of CFR Title 47, Part 15, Subpart C, section 15.205, 15.209 and 15.249 Highest reading in relation to spec limit: 53.27 dBuV @ 2483.00 MHz (*U = 3.70 dB)
2	Conducted RF Emissions, 150 kHz to 30 MHz	This device is battery powered only, thus this test was not performed.

1. PURPOSE

This document is a qualification test report based on the emissions tests performed on the Yodeling Wine Tag, Model: WY100-1. The emissions measurements were performed according to the measurement procedure described in ANSI C63.4 and ANSI C63.10. The tests were performed in order to determine whether the electromagnetic emissions from the equipment under test, referred to as EUT hereafter, are within the **Class B** specification limits defined by CFR Title 47, Part 15, Subpart B; and Subpart C, sections 15.205, 15.209, and 15.249.

2. ADMINISTRATIVE DATA

2.1 Location of Testing

The emissions tests described herein were performed at the test facility of Compatible Electronics, 114 Olinda Drive, Brea, California 92823.

2.2 Traceability Statement

The calibration certificates of all test equipment used during the test are on file at the location of the test. The calibration is traceable to the National Institute of Standards and Technology (NIST).

2.3 Cognizant Personnel

InfinID Technologies, Inc.

Barry Ambrose	Software Engineer

Compatible Electronics Inc.

Kyle Fujimoto	Test Engineer
Edgar Valencia	Test Technician
James Ross	Test Engineer

2.4 Date Test Sample was Received

The test sample was received on April 17, 2017.

2.5 Disposition of the Test Sample

The test sample has not been returned to InfinID Technologies, Inc. as of the date of this test report.

2.6 Abbreviations and Acronyms

The following abbreviations and acronyms may be used in this document.

RF	Radio Frequency
EMI	Electromagnetic Interference
EUT	Equipment Under Test
P/N	Part Number
S/N	Serial Number
ASK	Amplitude Shift Key
ITE	Information Technology Equipment
LISN	Line Impedance Stabilization Network
N/A	Not Applicable
Tx	Transmit
Rx	Receive

3. APPLICABLE DOCUMENTS

The following documents are referenced or used in the preparation of this emissions Test Report.

SPEC	TITLE
FCC Title 47, Part 15 Subpart C	FCC Rules – Radio frequency devices (including digital devices) – Intentional Radiators
FCC Title 47, Part 15 Subpart B	FCC Rules – Radio frequency devices (including digital devices) – Unintentional Radiators
EN 50147-2: 1997	Anechoic chambers. Alternative test site suitability with respect to site attenuation
ANSI C63.4 2014	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
ANSI C63.10 2013	American National Standard for Testing Unlicensed Wireless Devices

4. DESCRIPTION OF TEST CONFIGURATION

4.1 Description of Test Configuration – Emissions

The Yodeling Wine Tag, Model: WY100-1 (EUT) was setup in a stand-alone configuration. The EUT was investigated in all three orthogonal axis. The EUT was continuously transmitting during the testing.

The X orientation is when the EUT is parallel to the ground. The Y orientation is when the EUT is perpendicular to the ground mounted vertically. The Z orientation is when the EUT is perpendicular to the ground mounted horizontally.

The EUT was programmed to be tested at the low, middle, and high channels by removing and re-inserting the battery. This caused the EUT to change channels.

A fresh set of batteries were used during the testing.

The final radiated data for the EUT as was taken in the mode described above. Please see Appendix E for the data sheets.

4.1.1 Cable Construction and Termination

The EUT had no external cables.

5. LISTS OF EUT, ACCESSORIES AND TEST EQUIPMENT

5.1 EUT and Accessory List

EQUIPMENT	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	FCC ID
YODELING WINE TAG	INFINID TECHNOLOGIES, INC.	WY100-1	N/A	Y8FWY100D1
FIRMWARE TO CONTROL EUT*	INFINID TECHNOLOGIES, INC.	VERSION 1.0	N/A	N/A

*This is the firmware that is inside the EUT that allows the EUT to continuously transmit at the low, middle, or high channels when the battery powered is cycled.

5.2 Emissions Test Equipment

EQUIPMENT TYPE	MANU-FACTURER	MODEL NUMBER	SERIAL NUMBER	CALIBRATION DATE	CAL. CYCLE
GENERAL TEST EQUIPMENT USED IN LAB D					
TDK TestLab	TDK RF Solutions, Inc.	9.22	700145	N/A	N/A
Computer	Hewlett Packard	p6716f	MXX1030PX0	N/A	N/A
LCD Monitor	Hewlett Packard	52031a	3CQ046N3MG	N/A	N/A
EMI Receiver, 20 Hz – 26.5 GHz	Keysight	N9038A	MY51210150	December 29, 2015	2 Year
RF RADIATED EMISSIONS TEST EQUIPMENT					
CombiLog Antenna	Com-Power	AC-220	61060	September 3, 2015	2 Year
Preamplifier	Com-Power	PAM-118A	551024	May 12, 2016	1 Year
Loop Antenna	Com-Power	AL-130R	121090	February 9, 2017	2 Year
Horn Antenna	Com-Power	AH-118	071175	February 26, 2016	2 Year
Antenna Mast	Com Power	AM-100	N/A	N/A	N/A
System Controller	Sunol Sciences Corporation	SC110V	112213-1	N/A	N/A
Turntable	Sunol Sciences Corporation	2011VS	N/A	N/A	N/A
Antenna-Mast	Sunol Sciences Corporation	TWR95-4	112213-3	N/A	N/A
Preamplifier	Com-Power	AH-826	71957	N/A	N/A
Horn Antenna	Com-Power	PA-840	711013	May 12, 2016	1 Year

6. TEST SITE DESCRIPTION

6.1 Test Facility Description

Please refer to section 2.1 and 7.1 of this report for emissions test location.

6.2 EUT Mounting, Bonding and Grounding

For frequencies 1 GHz and below: The EUT was mounted on a 1.0 by 1.5 meter non-conductive table 0.8 meters above the ground plane.

For frequencies above 1 GHz: The EUT was mounted on a 1.0 by 1.5 meter non-conductive table 1.5 meters above the ground plane.

The EUT was not grounded.

7. TEST PROCEDURES

The following sections describe the test methods and the specifications for the tests. Test results are also included in this section.

7.1 RF Emissions

7.1.1 Conducted Emissions Test

The EMI Receiver was used as a measuring meter. A quasi-peak and/or average reading was taken only where indicated in the data sheets. A transient limiter was used for the protection of the EMI Receiver input stage, and the offset was adjusted accordingly to read the actual data measured. The LISN output was measured using the EMI Receiver. The output of the second LISN was terminated by a 50-ohm termination. The effective measurement bandwidth used for this test was 9 kHz.

Please see section 6.2 of this report for mounting, bonding, and grounding of the EUT. The EUT was powered through the LISN, which was bonded to the ground plane. The LISN power was filtered and the filter was bonded to the ground plane. The EUT was set up with the minimum distances from any conductive surfaces as specified in ANSI 63:4. The excess power cord was wrapped in a figure eight pattern to form a bundle not exceeding 0.4 meters in length.

The conducted emissions from the EUT were maximized for operating mode as well as cable placement. The final data was collected under program control by computer software. The final qualification data is located in Appendix E.

Test Results:

This device is battery powered only, thus this test was not performed.

7.1.2 Radiated Emissions Test

The EMI Receiver was used as the measuring meter. A built-in, internal preamplifier was used to increase the sensitivity of the instrument. The EMI Receiver was initially used with the Analyzer mode feature activated. In this mode, the EMI receiver can then record the actual frequency to be measured. This final reading is then taken accurately in the EMI Receiver mode, which takes into account the cable loss, amplifier gain and antenna factors, so that a true reading is compared to the true limit. A quasi-peak reading was taken only for those readings, which are marked accordingly on the data sheets. The effective measurement bandwidth used for the radiated emissions test was according to the frequency measured (200 Hz for 9 kHz to 150 kHz, 9 kHz for 150 kHz to 30 MHz, 120 kHz for 30 MHz to 1 GHz and 1 MHz for 1 GHz to 25 GHz).

For frequencies above 1 GHz, the readings were averaged by using the RMS detector function on the EMI receiver.

The EMI test chamber of Compatible Electronics, Inc. was used for radiated emissions testing. This test site is in full compliance with ANSI C63.4. Please see section 6.2 of this report for mounting, bonding and grounding of the EUT. The turntable supporting the EUT is remote controlled using a motor. The turntable permits EUT rotation of 360 degrees in order to maximize emissions. Also, the antenna mast allows height variation of the antenna from 1 meter to 4 meters. Data was collected in the worst case (highest emission) configuration of the EUT. At each reading, the EUT was rotated 360 degrees and the antenna height was varied from 1 to 4 meters (for E field radiated field strength). The gunsight method was used when measuring with the horn antenna in order to ensure accurate results.

The EUT was tested at a 3-meter test distance. The six highest emissions are listed in Table 1.0.

The measurement bandwidths and transducers used for the radiated emissions test were:

FREQUENCY RANGE	EFFECTIVE MEASUREMENT BANDWIDTH	TRANSDUCER
9 kHz to 150 kHz	200 Hz	Loop Antenna
150 kHz to 30 MHz	9 kHz	Loop Antenna
30 MHz to 1 GHz	120 kHz	CombiLog Antenna
1 GHz to 25 GHz	1 MHz	Horn Antenna

Test Results:

The EUT complies with the **Class B** limits of **CFR** Title 47, Part 15, Subpart B; and Subpart C sections 15.205, 15.209 and 15.249 for radiated emissions.

7.1.3 RF Emissions Test Results

Table 1.0 RADIATED EMISSION RESULTS
Yodeling Wine Tag
Model: WY100-1

Frequency MHz	EMI Reading (dBuV/m)	Specification Limit (dBuV/m)	Delta (Cor. Reading – Spec. Limit) dB)
2483.50 (H) (X -axis)	53.27 (Avg)	53.97	-0.70
2483.50 (V) (Y-axis)	53.13 (Avg)	53.97	-0.84
7335.00 (H) (Y-axis)	52.55 (Avg)	53.97	-1.42
2445.00 (H) (Z-axis)	92.47 (Avg)	93.97	-1.51
2405.00 (H) (Z-axis)	92.40 (Avg)	93.97	-1.57
2445.00 (H) (X-axis)	92.21 (Avg)	93.97	-1.76

Notes:

* The complete emissions data is given in Appendix E of this report.
(BL) Black Lead
(WL) White Lead
(V) Vertical
(H) Horizontal
(AVG) Average
(QP) Quasi-Peak

8. CONCLUSIONS

The Yodeling Wine Tag, Model: WY100-1, as tested, meets all of the **Class B** specification limits defined in FCC Title 47, Part 15, Subpart B; and Subpart C, sections 15.205, 15.209, and 15.249.

APPENDIX A

LABORATORY ACCREDITATIONS AND RECOGNITIONS

LABORATORY ACCREDITATIONS AND RECOGNITIONS

NVLAP® TESTING
NVLAP LAB CODE 200528-0

ilac-MRA

For US, Canada, Australia/New Zealand, Japan, Taiwan, Korea, and the European Union, Compatible Electronics is currently accredited by NVLAP to ISO/IEC 17025.
For the most up-to-date version of our scopes and certificates please visit http://celectronics.com/quality/scope/

Quote from ISO-ILAC-IAF Communiqué on 17025:
"A laboratory's fulfilment of the requirements of ISO/IEC 17025:2005 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025:2005 (Section 4) are written in language relevant to laboratory operations and meet the principles of ISO 9001:2008 Quality Management Systems — Requirements."

APPENDIX B

MODIFICATIONS TO THE EUT

MODIFICATIONS TO THE EUT

The modifications listed below were made to the EUT to pass FCC Subpart B and FCC 15.249 specifications.

All the rework described below was implemented during the test in a method that could be reproduced in all the units by the manufacturer.

No modifications were made to the EUT during the testing.

APPENDIX C

ADDITIONAL MODEL COVERED UNDER THIS REPORT

ADDITIONAL MODEL COVERED UNDER THIS REPORT

USED FOR THE PRIMARY TEST

Yodeling Wine Tag
Model: WY100-1
S/N: N/A

There are no additional Model covered under this report.

APPENDIX D

DIAGRAMS AND CHARTS

FIGURE 1: CONDUCTED EMISSIONS TEST SETUP

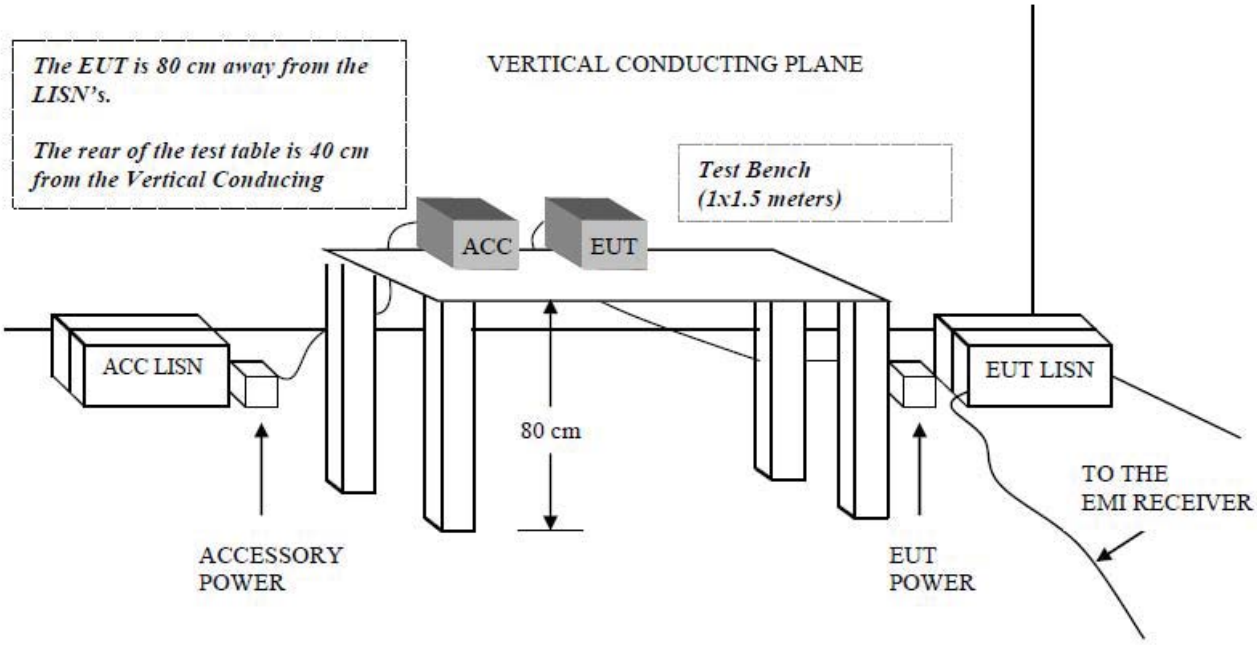
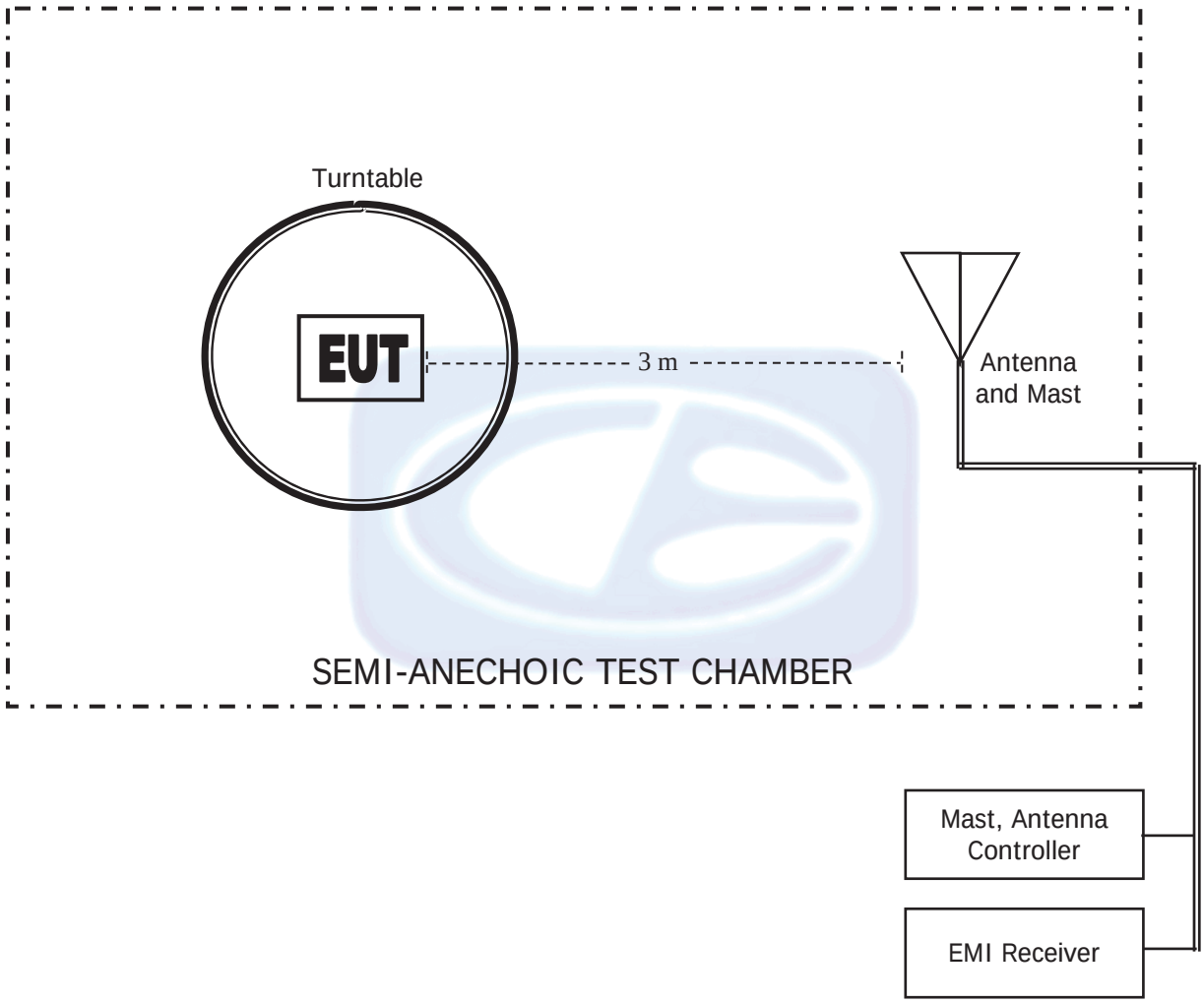


FIGURE 2: LAYOUT OF THE SEMI -ANECHOIC TEST CHAMBER



COM-POWER AL-130

LOOP ANTENNA

S/N: 121090

CALIBRATION DATE: FEBRUARY 9, 2017

FREQUENCY (MHz)	MAGNETIC (dB/m)	ELECTRIC (dB/m)
0.009	-36.17	15.33
0.01	-35.86	15.64
0.02	-37.30	14.20
0.03	-36.58	14.92
0.04	-36.99	14.51
0.05	-37.66	13.84
0.06	-37.53	13.97
0.07	-37.64	13.86
0.08	-37.52	13.98
0.09	-37.62	13.88
0.1	-37.59	13.91
0.2	-37.79	13.71
0.3	-37.80	13.70
0.4	-37.70	13.80
0.5	-37.79	13.71
0.6	-37.79	13.71
0.7	-37.69	13.81
0.8	-37.49	14.01
0.9	-37.39	14.11
1	-37.39	14.11
2	-37.09	14.41
3	-37.09	14.41
4	-37.19	14.31
5	-36.98	14.52
6	-37.17	14.33
7	-37.05	14.45
8	-36.85	14.65
9	-36.84	14.66
10	-36.75	14.75
15	-37.16	14.34
20	-36.44	15.06
25	-37.88	13.62
30	-39.14	12.36

COM-POWER AC-220

COMBILOG ANTENNA

S/N: 61060

CALIBRATION DATE: SEPTEMBER 3, 2015

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	24.00	200	13.00
35	24.30	250	15.30
40	25.40	300	18.20
45	21.50	350	17.90
50	22.50	400	18.60
60	15.40	450	19.80
70	12.70	500	21.60
80	11.10	550	22.40
90	13.40	600	23.70
100	13.80	650	24.30
120	15.40	700	24.00
125	15.40	750	24.50
140	13.10	800	24.30
150	17.20	850	26.30
160	13.20	900	26.90
175	14.20	950	26.00
180	14.30	1000	25.60

COM POWER AH-118

HORN ANTENNA

S/N: 071175

CALIBRATION DATE: FEBRUARY 26, 2016

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
1.0	23.93	10.0	39.33
1.5	25.54	10.5	39.64
2.0	28.09	11.0	41.04
2.5	30.21	11.5	44.29
3.0	30.15	12.0	41.22
3.5	30.17	12.5	41.50
4.0	31.90	13.0	41.62
4.5	33.51	13.5	40.63
5.0	33.87	14.0	39.94
5.5	35.08	14.5	41.84
6.0	34.81	15.0	42.69
6.5	34.26	15.5	39.03
7.0	36.33	16.0	39.07
7.5	37.03	16.5	41.40
8.0	37.56	17.0	43.18
8.5	40.07	17.5	47.01
9.0	38.92	18.0	46.48
9.5	38.21		

COM-POWER PAM-118A

PREAMPLIFIER

S/N: 551024

CALIBRATION DATE: MAY 12, 2016

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
1.0	39.84	6.0	39.05
1.1	39.40	6.5	38.94
1.2	39.58	7.0	39.25
1.3	39.68	7.5	39.09
1.4	39.91	8.0	39.01
1.5	39.78	8.5	38.60
1.6	39.50	9.0	38.64
1.7	39.81	9.5	39.67
1.8	39.89	10.0	39.30
1.9	39.94	11.0	39.15
2.0	39.57	12.0	39.24
2.5	40.39	13.0	39.49
3.0	40.63	14.0	39.44
3.5	40.80	15.0	39.94
4.0	40.86	16.0	40.09
4.5	39.94	17.0	40.06
5.0	34.47	18.0	39.76
5.5	39.32		

COM-POWER AH-826

HORN ANTENNA

S/N: 71957

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
18.0	33.5	22.5	35.5
18.5	33.5	23.0	35.9
19.0	34.0	23.5	35.7
19.5	34.0	24.0	35.6
20.0	34.3	24.5	36.0
20.5	34.9	25.0	36.2
21.0	34.7	25.5	36.1
21.5	35.0	26.0	36.2
22.0	35.0	26.5	35.7

COM-POWER PA-840

MICROWAVE PREAMPLIFIER

S/N: 711013

CALIBRATION DATE: MAY 13, 2016

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
18.0	25.19	31.0	25.69
19.0	24.48	31.5	25.74
20.0	24.39	32.0	26.35
21.0	24.73	32.5	26.64
22.0	23.49	33.0	25.98
23.0	24.23	33.5	24.68
24.0	24.59	34.0	24.61
25.0	25.32	34.5	23.78
26.0	25.66	35.0	24.74
26.5	25.99	35.5	24.39
27.0	26.26	36.0	23.46
27.5	25.33	36.5	23.71
28.0	24.49	37.0	26.35
28.5	24.74	37.5	23.49
29.0	25.93	38.0	25.42
29.5	26.28	38.5	24.87
30.0	26.17	39.0	22.60
30.5	26.11	39.5	20.57
		40.0	19.15

FRONT VIEW

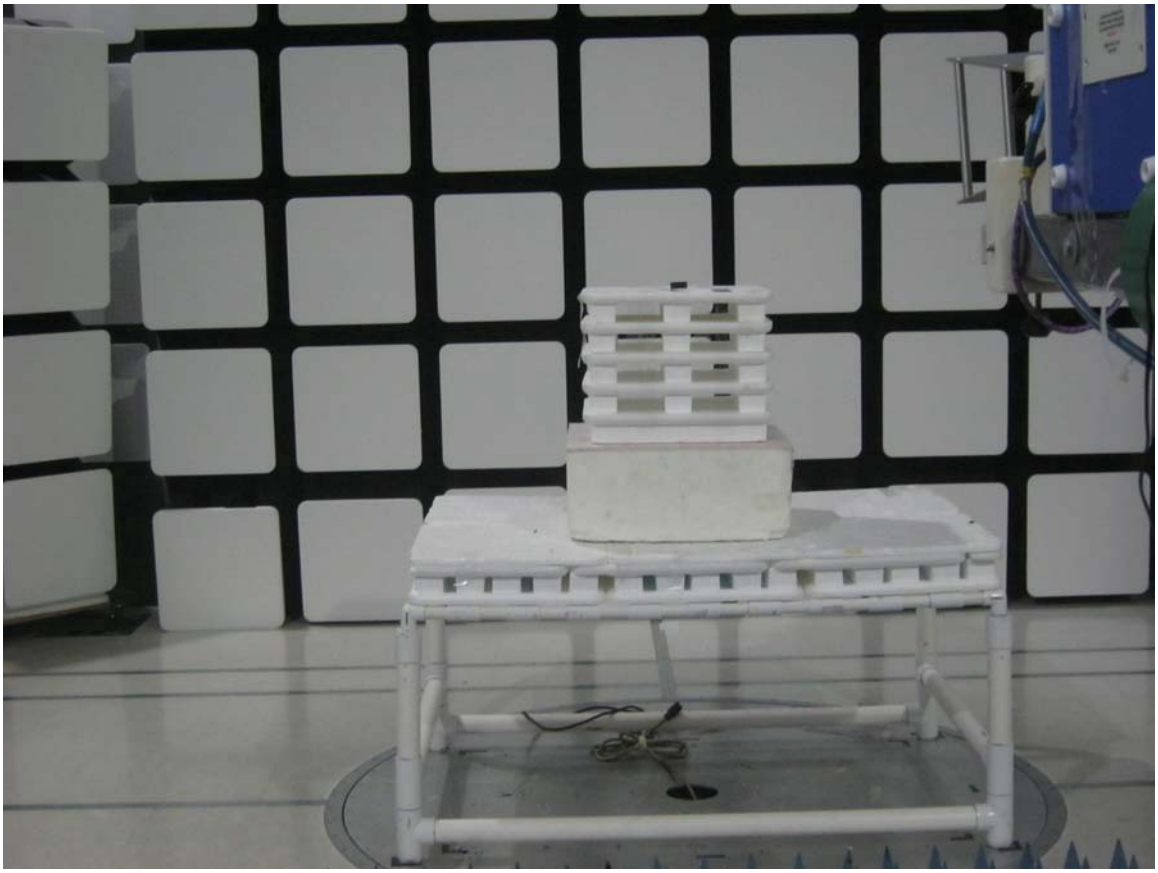
INFINID TECHNOLOGIES, INC.
YODELING WINE TAG
MODEL: WY100-1
FCC SUBPART B AND C – RADIATED EMISSIONS – BELOW 1 GHz

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

REAR VIEW

INFINID TECHNOLOGIES, INC.
YODELING WINE TAG
MODEL: WY100-1
FCC SUBPART B AND C – RADIATED EMISSIONS – BELOW 1 GHz

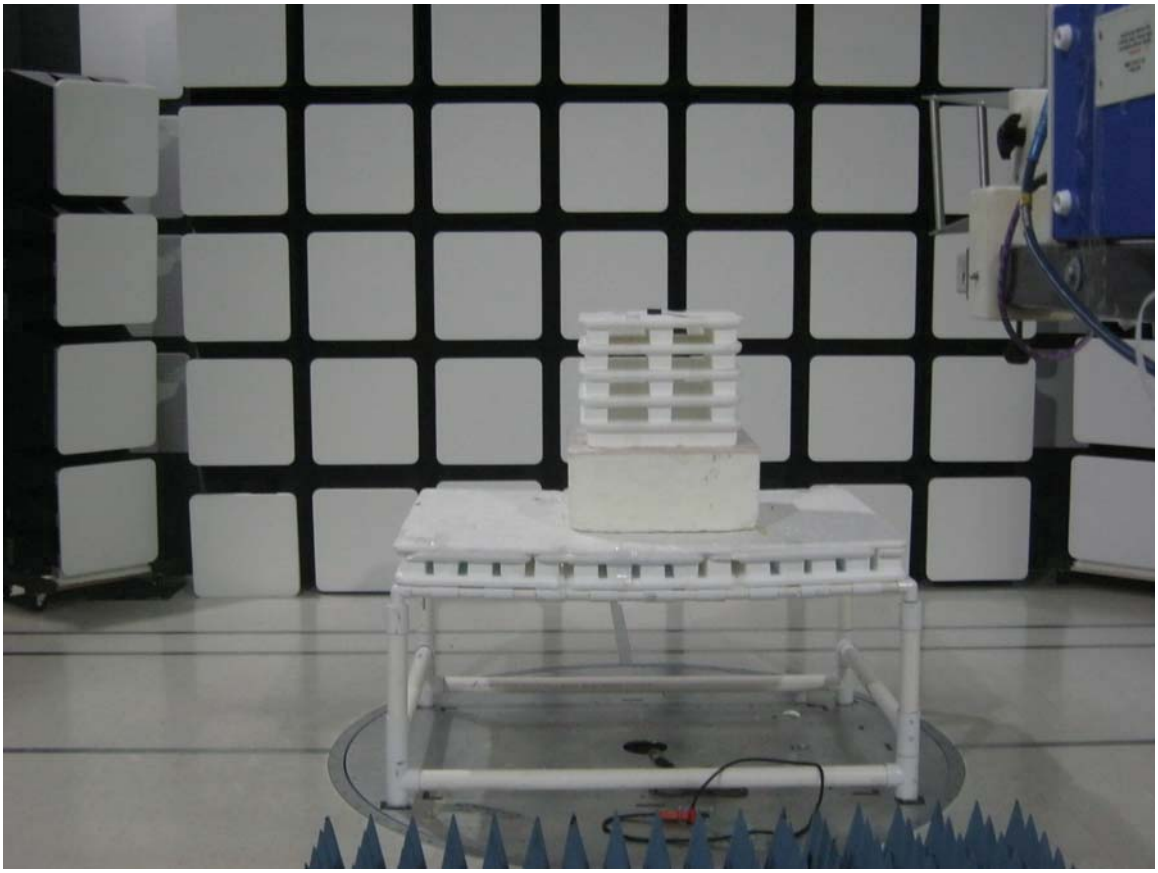
PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS



FRONT VIEW

INFINID TECHNOLOGIES, INC.
YODELING WINE TAG
MODEL: WY100-1
FCC SUBPART B AND C – RADIATED EMISSIONS – ABOVE 1 GHz

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS



REAR VIEW

INFINID TECHNOLOGIES, INC.
YODELING WINE TAG
MODEL: WY100-1
FCC SUBPART B AND C – RADIATED EMISSIONS – ABOVE 1 GHz

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONs

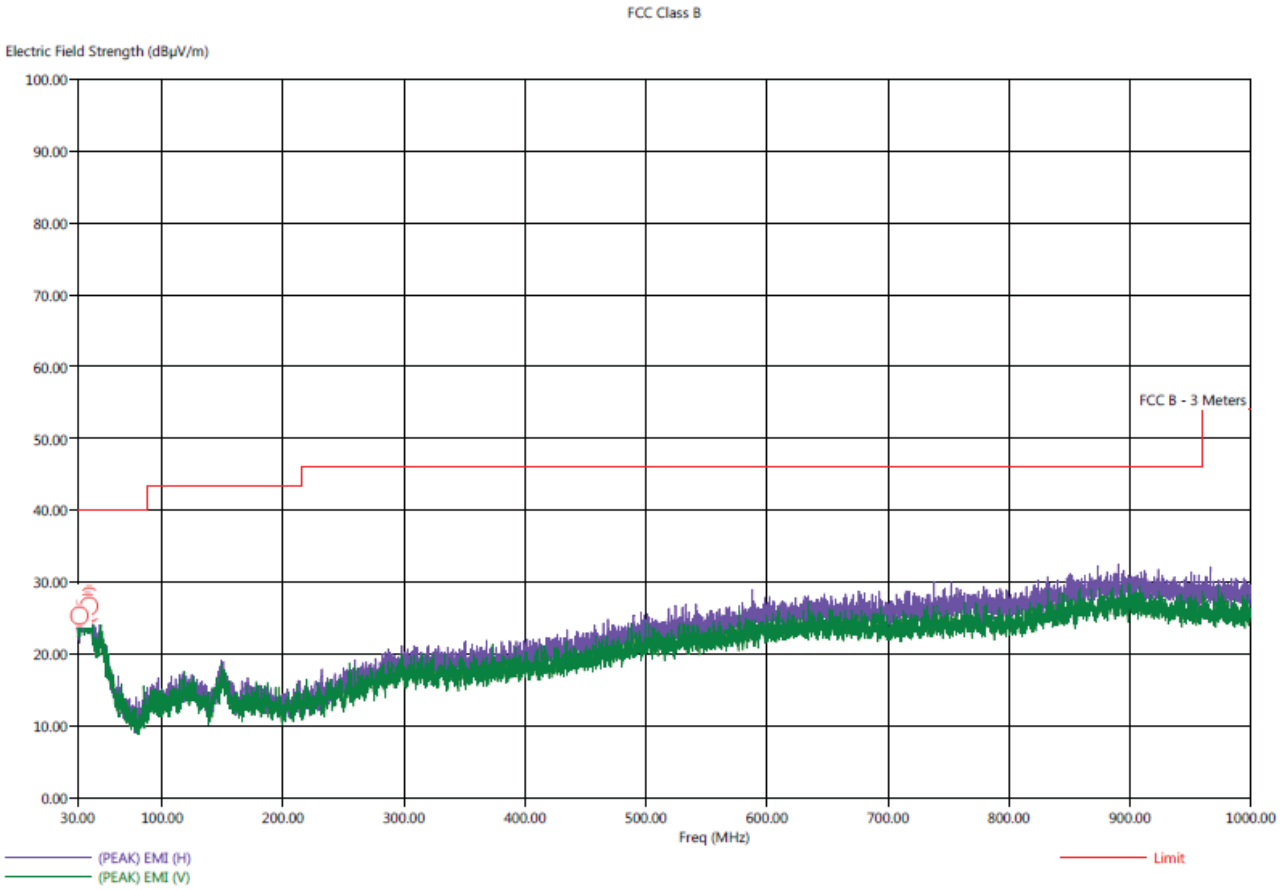
APPENDIX E

DATA SHEETS

RADIATED EMISSIONS DATA SHEETS

Title: Pre-Scan - FCC Class B
File: 1 - RE - Pre-Scan - WY100-1 - FCC Class B - 04-18-2017 - X-Axis Worst Case.set
Operator: Kyle Fujimoto
EUT Type: Yodeling Wine Tag
EUT Condition: The EUT is continuously transmitting at the low channel - Worst Case
Comments: Customer: InfinID Technologies, Inc.
Model: WY100-1
X-Axis Worst Case

4/18/2017 1:30:12 PM
Sequence: Preliminary Scan



*No Additional emissions found above 1 GHz

Title: Radiated Final - 30-1000 MHz - FCC Class B
File: 1 - RE - Final Scan - WY100-1 - FCC Class B - 04-18-2017 - X-Axis Worst Case.set
Operator: Kyle Fujimoto
EUT Type: Yodeling Wine Tag
EUT Condition: The EUT is continuosuly transmitting at the low channel - Worst Case
Comments: Customer: InfinID Technologies, Inc.
Model: WY100-1
X-Axis Worst Case

4/18/2017 1:39:37 PM
Sequence: Final Measurements

Final Scan - FCC Class B

Freq (MHz)	Pol	(PEAK) EMI (dBµV/m)	(QP) EMI (dBµV/m)	(PEAK) Margin (dB)	(QP) Margin (dB)	Limit (dBµV/m)	Transducer (dB)	Cable (dB)	Twr Ht (cm)	Ttbl Aql (deg)
32.30	V	26.56	22.53	-13.44	-17.47	40.00	24.17	0.33	400.11	165.75
38.60	H	27.80	23.40	-12.20	-16.60	40.00	25.03	0.38	127.70	56.25
39.60	V	27.91	23.30	-12.09	-16.70	40.00	25.20	0.39	175.70	89.25
40.00	H	27.98	23.78	-12.02	-16.22	40.00	25.31	0.40	207.82	187.00
40.90	V	28.00	22.97	-12.00	-17.03	40.00	24.53	0.40	143.64	46.75
41.50	H	26.89	22.21	-13.11	-17.79	40.00	23.95	0.40	255.94	283.25

FCC 15.249

InfinID Technologies, Inc.
Yodeling Wine Tag
Model: WY100-1

Date: 04/17/2017
Lab: D
Tested By: Kyle Fujimoto

Fundamental Readings
Low Channel

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
2405	85.39	V	113.97	-28.58	Peak	350.75	137.07	**X-Axis**
2405	78.91	V	93.97	-15.06	Avg	350.75	137.07	**Vertical Polarization**
2405	97.24	V	113.97	-16.73	Peak	148.25	138.20	**Y-Axis**
2405	91.13	V	93.97	-2.84	Avg	148.25	138.20	**Vertical Polarization**
2405	90.42	V	113.97	-23.55	Peak	83.00	172.41	**Z-Axis**
2405	84.15	V	93.97	-9.82	Avg	83.00	172.41	**Vertical Polarization**
2405	97.24	H	113.97	-16.73	Peak	257.75	118.38	**X-Axis**
2405	91.02	H	93.97	-2.95	Avg	257.75	118.38	**Vertical Polarization**
2405	85.14	H	113.97	-28.83	Peak	318.75	146.08	**Y-Axis**
2405	78.95	H	93.97	-15.02	Avg	318.75	146.08	**Vertical Polarization**
2405	98.53	H	113.97	-15.44	Peak	138.75	155.40	**Z-Axis**
2405	92.40	H	93.97	-1.57	Avg	138.75	155.40	**Vertical Polarization**

FCC 15.249
InfinID Technologies, Inc.
Yodeling Wine Tag
Model: WY100-1

Date: 04/17/2017
Lab: D
Tested By: Kyle Fujimoto

Fundamental Readings
Middle Channel

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
2445	86.65	V	113.97	-27.32	Peak	13.25	163.22	**X-Axis**
2445	79.63	V	93.97	-14.34	QP	13.25	163.22	**Vertical Polarization**
2445	98.49	V	113.97	-15.48	Peak	122.25	136.41	**Y-Axis**
2445	91.87	V	93.97	-2.10	QP	122.25	136.41	**Vertical Polarization**
2445	94.25	V	113.97	-19.72	Peak	25.50	166.44	**Z-Axis**
2445	88.04	V	93.97	-5.93	QP	25.50	166.44	**Vertical Polarization**
2445	98.54	H	113.97	-15.43	Peak	144.00	158.31	**X-Axis**
2445	92.21	H	93.97	-1.76	QP	144.00	158.31	**Vertical Polarization**
2445	86.84	H	113.97	-27.13	Peak	137.00	133.79	**Y-Axis**
2445	79.88	H	93.97	-14.09	QP	137.00	133.79	**Vertical Polarization**
2445	98.77	H	113.97	-15.20	Peak	148.25	137.49	**Z-Axis**
2445	92.47	H	93.97	-1.51	QP	148.25	137.49	**Vertical Polarization**

FCC 15.249
InfinID Technologies, Inc.
Yodeling Wine Tag
Model: WY100-1

Date: 04/17/2017
Lab: D
Tested By: Kyle Fujimoto

Fundamental Readings
High Channel

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
2480	89.99	V	113.97	-23.98	Peak	189.75	226.74	**X-Axis**
2480	83.40	V	93.97	-10.57	QP	189.75	226.74	**Vertical Polarization**
2480	97.17	V	113.97	-16.80	Peak	140.00	159.88	**Y-Axis**
2480	90.86	V	93.97	-3.11	QP	140.00	159.88	**Vertical Polarization**
2480	93.88	V	113.97	-20.09	Peak	231.50	198.26	**Z-Axis**
2480	87.47	V	93.97	-6.50	QP	231.50	198.26	**Vertical Polarization**
2480	97.58	H	113.97	-16.39	Peak	105.75	154.50	**X-Axis**
2480	91.14	H	93.97	-2.83	QP	105.75	154.50	**Vertical Polarization**
2480	84.25	H	113.97	-29.72	Peak	355.50	156.53	**Y-Axis**
2480	76.00	H	93.97	-17.97	QP	355.50	156.53	**Vertical Polarization**
2480	97.79	H	113.97	-16.18	Peak	328.50	101.22	**Z-Axis**
2480	91.44	H	93.97	-2.53	QP	328.50	101.22	**Vertical Polarization**

FCC 15.249
InfinID Technologies, Inc.
Yodeling Wine Tag
Model: WY100-1

Date: 04/17/2017
Lab: D
Tested By: Kyle Fujimoto

Harmonics
Low Channel
Transmit Mode - X-Axis

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4810.00	40.63	V	73.97	-33.34	Peak	213.50	249.90	
4810.00	29.91	V	53.97	-24.06	Avg	213.50	249.90	
7215.00	48.72	V	73.97	-25.25	Peak	268.25	159.92	
7215.00	39.08	V	53.97	-14.89	Avg	268.25	159.92	
9620.00								**No Emission**
9620.00								**Detected**
12025.00								**No Emission**
12025.00								**Detected**
14430.00								**No Emission**
14430.00								**Detected**
16835.00								**No Emission**
16835.00								**Detected**
19240.00								**No Emission**
19240.00								**Detected**
21645.00								**No Emission**
21645.00								**Detected**
24050.00								**No Emission**
24050.00								**Detected**

FCC 15.249
InfinID Technologies, Inc.
Yodeling Wine Tag
Model: WY100-1

Date: 04/17/2017
Lab: D
Tested By: Kyle Fujimoto

Harmonics
Low Channel
Transmit Mode - Y-Axis

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4810.00	45.02	V	73.97	-28.95	Peak	210.25	159.28	
4810.00	35.49	V	53.97	-18.48	Avg	210.25	159.28	
7215.00	50.49	V	73.97	-23.48	Peak	147.50	127.40	
7215.00	41.96	V	53.97	-12.01	Avg	147.50	127.40	
9620.00								**No Emission**
9620.00								**Detected**
12025.00								**No Emission**
12025.00								**Detected**
14430.00								**No Emission**
14430.00								**Detected**
16835.00								**No Emission**
16835.00								**Detected**
19240.00								**No Emission**
19240.00								**Detected**
21645.00								**No Emission**
21645.00								**Detected**
24050.00								**No Emission**
24050.00								**Detected**

FCC 15.249
InfinID Technologies, Inc.
Yodeling Wine Tag
Model: WY100-1

Date: 04/17/2017
Lab: D
Tested By: Kyle Fujimoto

Harmonics
Low Channel
Transmit Mode - Z-Axis

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4810.00	40.96	V	73.97	-33.01	Peak	292.25	223.52	
4810.00	30.06	V	53.97	-23.91	Avg	292.25	223.52	
7215.00	45.19	V	73.97	-28.78	Peak	137.00	111.34	
7215.00	34.05	V	53.97	-19.92	Avg	137.00	111.34	
9620.00								**No Emission**
9620.00								**Detected**
12025.00								**No Emission**
12025.00								**Detected**
14430.00								**No Emission**
14430.00								**Detected**
16835.00								**No Emission**
16835.00								**Detected**
19240.00								**No Emission**
19240.00								**Detected**
21645.00								**No Emission**
21645.00								**Detected**
24050.00								**No Emission**
24050.00								**Detected**

FCC 15.249
InfinID Technologies, Inc.
Yodeling Wine Tag
Model: WY100-1

Date: 04/17/2017
Lab: D
Tested By: Kyle Fujimoto

Harmonics
Low Channel
Transmit Mode - X-Axis

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4810.00	46.62	H	73.97	-27.35	Peak	312.25	111.28	
4810.00	38.91	H	53.97	-15.06	Avg	312.25	111.28	
7215.00	47.64	H	73.97	-26.33	Peak	180.25	175.16	
7215.00	38.11	H	53.97	-15.86	Avg	180.25	175.16	
9620.00								**No Emission**
9620.00								**Detected**
12025.00								**No Emission**
12025.00								**Detected**
14430.00								**No Emission**
14430.00								**Detected**
16835.00								**No Emission**
16835.00								**Detected**
19240.00								**No Emission**
19240.00								**Detected**
21645.00								**No Emission**
21645.00								**Detected**
24050.00								**No Emission**
24050.00								**Detected**

FCC 15.249
InfinID Technologies, Inc.
Yodeling Wine Tag
Model: WY100-1

Date: 04/17/2017
Lab: D
Tested By: Kyle Fujimoto

Harmonics
Low Channel
Transmit Mode - Y-Axis

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4810.00	42.61	H	73.97	-31.36	Peak	149.00	111.22	
4810.00	32.64	H	53.97	-21.33	Avg	149.00	111.22	
7215.00	52.79	H	73.97	-21.18	Peak	152.50	143.58	
7215.00	45.16	H	53.97	-8.81	Avg	152.50	143.58	
9620.00								**No Emission**
9620.00								**Detected**
12025.00								**No Emission**
12025.00								**Detected**
14430.00								**No Emission**
14430.00								**Detected**
16835.00								**No Emission**
16835.00								**Detected**
19240.00								**No Emission**
19240.00								**Detected**
21645.00								**No Emission**
21645.00								**Detected**
24050.00								**No Emission**
24050.00								**Detected**

FCC 15.249
InfinID Technologies, Inc.
Yodeling Wine Tag
Model: WY100-1

Date: 04/17/2017
Lab: D
Tested By: Kyle Fujimoto

Harmonics
Low Channel
Transmit Mode - Z-Axis

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4810.00	43.09	H	73.97	-30.88	Peak	132.00	207.52	
4810.00	32.51	H	53.97	-21.46	Avg	132.00	207.52	
7215.00	52.40	H	73.97	-21.57	Peak	124.00	111.40	
7215.00	43.84	H	53.97	-10.13	Avg	124.00	111.40	
9620.00								**No Emission**
9620.00								**Detected**
12025.00								**No Emission**
12025.00								**Detected**
14430.00								**No Emission**
14430.00								**Detected**
16835.00								**No Emission**
16835.00								**Detected**
19240.00								**No Emission**
19240.00								**Detected**
21645.00								**No Emission**
21645.00								**Detected**
24050.00								**No Emission**
24050.00								**Detected**

FCC 15.249
InfinID Technologies, Inc.
Yodeling Wine Tag
Model: WY100-1

Date: 04/17/2017
Lab: D
Tested By: Kyle Fujimoto

Harmonics
Middle Channel
Transmit Mode - X-Axis

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4890.00	44.56	V	73.97	-29.41	Peak	197.00	100.10	
4890.00	34.15	V	53.97	-19.82	Avg	197.00	100.10	
7335.00	48.00	V	73.97	-25.97	Peak	154.50	111.34	
7335.00	39.26	V	53.97	-14.71	Avg	154.50	111.34	
9780.00								**No Emission**
9780.00								**Detected**
12225.00								**No Emission**
12225.00								**Detected**
14670.00								**No Emission**
14670.00								**Detected**
17115.00								**No Emission**
17115.00								**Detected**
19560.00								**No Emission**
19560.00								**Detected**
22005.00								**No Emission**
22005.00								**Detected**
24450.00								**No Emission**
24450.00								**Detected**

FCC 15.249
InfinID Technologies, Inc.
Yodeling Wine Tag
Model: WY100-1

Date: 04/17/2017
Lab: D
Tested By: Kyle Fujimoto

Harmonics
Middle Channel
Transmit Mode - Y-Axis

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4890.00	49.77	V	73.97	-24.20	Peak	248.25	143.10	
4890.00	41.76	V	53.97	-12.21	Avg	248.25	143.10	
7335.00	49.92	V	73.97	-24.05	Peak	324.75	208.77	
7335.00	41.52	V	53.97	-12.45	Avg	324.75	208.77	
9780.00								**No Emission**
9780.00								**Detected**
12225.00								**No Emission**
12225.00								**Detected**
14670.00								**No Emission**
14670.00								**Detected**
17115.00								**No Emission**
17115.00								**Detected**
19560.00								**No Emission**
19560.00								**Detected**
22005.00								**No Emission**
22005.00								**Detected**
24450.00								**No Emission**
24450.00								**Detected**

FCC 15.249
InfinID Technologies, Inc.
Yodeling Wine Tag
Model: WY100-1

Date: 04/17/2017
Lab: D
Tested By: Kyle Fujimoto

Harmonics
Middle Channel
Transmit Mode - Z-Axis

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4890.00	50.62	V	73.97	-23.35	Peak	250.25	143.22	
4890.00	42.95	V	53.97	-11.02	Avg	250.25	143.22	
7335.00	56.47	V	73.97	-17.50	Peak	315.50	127.28	
7335.00	50.05	V	53.97	-3.92	Avg	315.50	127.28	
9780.00								**No Emission**
9780.00								**Detected**
12225.00								**No Emission**
12225.00								**Detected**
14670.00								**No Emission**
14670.00								**Detected**
17115.00								**No Emission**
17115.00								**Detected**
19560.00								**No Emission**
19560.00								**Detected**
22005.00								**No Emission**
22005.00								**Detected**
24450.00								**No Emission**
24450.00								**Detected**

FCC 15.249
InfinID Technologies, Inc.
Yodeling Wine Tag
Model: WY100-1

Date: 04/17/2017
Lab: D
Tested By: Kyle Fujimoto

Harmonics
Middle Channel
Transmit Mode - Z-Axis

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4890.00	50.62	V	73.97	-23.35	Peak	250.25	143.22	
4890.00	42.95	V	53.97	-11.02	Avg	250.25	143.22	
7335.00	56.47	V	73.97	-17.50	Peak	315.50	127.28	
7335.00	50.05	V	53.97	-3.92	Avg	315.50	127.28	
9780.00								**No Emission**
9780.00								**Detected**
12225.00								**No Emission**
12225.00								**Detected**
14670.00								**No Emission**
14670.00								**Detected**
17115.00								**No Emission**
17115.00								**Detected**
19560.00								**No Emission**
19560.00								**Detected**
22005.00								**No Emission**
22005.00								**Detected**
24450.00								**No Emission**
24450.00								**Detected**

FCC 15.249
InfinID Technologies, Inc.
Yodeling Wine Tag
Model: WY100-1

Date: 04/17/2017
Lab: D
Tested By: Kyle Fujimoto

Harmonics
Middle Channel
Transmit Mode - X-Axis

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4890.00	51.00	H	73.97	-22.97	Peak	57.75	126.86	
4890.00	43.57	H	53.97	-10.40	Avg	57.75	126.86	
7335.00	48.70	H	73.97	-25.27	Peak	264.50	111.28	
7335.00	40.45	H	53.97	-13.52	Avg	264.50	111.28	
9780.00								**No Emission**
9780.00								**Detected**
12225.00								**No Emission**
12225.00								**Detected**
14670.00								**No Emission**
14670.00								**Detected**
17115.00								**No Emission**
17115.00								**Detected**
19560.00								**No Emission**
19560.00								**Detected**
22005.00								**No Emission**
22005.00								**Detected**
24450.00								**No Emission**
24450.00								**Detected**

FCC 15.249
InfinID Technologies, Inc.
Yodeling Wine Tag
Model: WY100-1

Date: 04/17/2017
Lab: D
Tested By: Kyle Fujimoto

Harmonics
Middle Channel
Transmit Mode - Y-Axis

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4890.00	42.32	H	73.97	-31.65	Peak	7.00	111.34	
4890.00	31.64	H	53.97	-22.33	Avg	7.00	111.34	
7335.00	57.37	H	73.97	-16.60	Peak	295.00	174.98	
7335.00	52.55	H	53.97	-1.42	Avg	295.00	174.98	
9780.00								**No Emission**
9780.00								**Detected**
12225.00								**No Emission**
12225.00								**Detected**
14670.00								**No Emission**
14670.00								**Detected**
17115.00								**No Emission**
17115.00								**Detected**
19560.00								**No Emission**
19560.00								**Detected**
22005.00								**No Emission**
22005.00								**Detected**
24450.00								**No Emission**
24450.00								**Detected**

FCC 15.249
InfinID Technologies, Inc.
Yodeling Wine Tag
Model: WY100-1

Date: 04/17/2017
Lab: D
Tested By: Kyle Fujimoto

Harmonics
Middle Channel
Transmit Mode - Z-Axis

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4890.00	46.88	H	73.97	-27.09	Peak	344.50	127.40	
4890.00	37.70	H	53.97	-16.27	Avg	344.50	127.40	
7335.00	56.74	H	73.97	-17.23	Peak	293.25	127.34	
7335.00	50.47	H	53.97	-3.50	Avg	293.25	127.34	
9780.00								**No Emission**
9780.00								**Detected**
12225.00								**No Emission**
12225.00								**Detected**
14670.00								**No Emission**
14670.00								**Detected**
17115.00								**No Emission**
17115.00								**Detected**
19560.00								**No Emission**
19560.00								**Detected**
22005.00								**No Emission**
22005.00								**Detected**
24450.00								**No Emission**
24450.00								**Detected**

FCC 15.249
InfinID Technologies, Inc.
Yodeling Wine Tag
Model: WY100-1

Date: 04/17/2017
Lab: D
Tested By: Kyle Fujimoto

Harmonics
High Channel
Transmit Mode - X-Axis

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	42.93	V	73.97	-31.04	Peak	101.00	192.95	
4960.00	32.32	V	53.97	-21.65	Avg	101.00	192.95	
7440.00	55.13	V	73.97	-18.84	Peak	334.50	129.07	
7440.00	49.38	V	53.97	-4.59	Avg	334.50	129.07	
9920.00								**No Emission**
9920.00								**Detected**
12400.00								**No Emission**
12400.00								**Detected**
14880.00								**No Emission**
14880.00								**Detected**
17360.00								**No Emission**
17360.00								**Detected**
19840.00								**No Emission**
19840.00								**Detected**
22320.00								**No Emission**
22320.00								**Detected**
24800.00								**No Emission**
24800.00								**Detected**

FCC 15.249
InfinID Technologies, Inc.
Yodeling Wine Tag
Model: WY100-1

Date: 04/17/2017
Lab: D
Tested By: Kyle Fujimoto

Harmonics
High Channel
Transmit Mode - Y-Axis

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	43.32	V	73.97	-30.65	Peak	91.00	126.92	
4960.00	32.22	V	53.97	-21.75	Avg	91.00	126.92	
7440.00	54.43	V	73.97	-19.54	Peak	44.00	111.28	
7440.00	47.34	V	53.97	-6.63	Avg	44.00	111.28	
9920.00								**No Emission**
9920.00								**Detected**
12400.00								**No Emission**
12400.00								**Detected**
14880.00								**No Emission**
14880.00								**Detected**
17360.00								**No Emission**
17360.00								**Detected**
19840.00								**No Emission**
19840.00								**Detected**
22320.00								**No Emission**
22320.00								**Detected**
24800.00								**No Emission**
24800.00								**Detected**

FCC 15.249
InfinID Technologies, Inc.
Yodeling Wine Tag
Model: WY100-1

Date: 04/17/2017
Lab: D
Tested By: Kyle Fujimoto

Harmonics
High Channel
Transmit Mode - Z-Axis

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	42.97	H	73.97	-31.00	Peak	327.00	127.22	
4960.00	32.33	H	53.97	-21.64	Avg	327.00	127.22	
7440.00	44.12	H	73.97	-29.85	Peak	327.75	223.28	
7440.00	33.49	H	53.97	-20.48	Avg	327.75	223.28	
9920.00								**No Emission**
9920.00								**Detected**
12400.00								**No Emission**
12400.00								**Detected**
14880.00								**No Emission**
14880.00								**Detected**
17360.00								**No Emission**
17360.00								**Detected**
19840.00								**No Emission**
19840.00								**Detected**
22320.00								**No Emission**
22320.00								**Detected**
24800.00								**No Emission**
24800.00								**Detected**

FCC 15.249
InfinID Technologies, Inc.
Yodeling Wine Tag
Model: WY100-1

Date: 04/17/2017
Lab: D
Tested By: Kyle Fujimoto

Harmonics
High Channel
Transmit Mode - X-Axis

Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
4960.00	51.46	H	73.97	-22.51	Peak	235.25	129.19	
4960.00	44.64	H	53.97	-9.33	Avg	235.25	129.19	
7440.00	54.50	H	73.97	-19.47	Peak	67.50	176.95	
7440.00	48.30	H	53.97	-5.67	Avg	67.50	176.95	
9920.00								**No Emission**
9920.00								**Detected**
12400.00								**No Emission**
12400.00								**Detected**
14880.00								**No Emission**
14880.00								**Detected**
17360.00								**No Emission**
17360.00								**Detected**
19840.00								**No Emission**
19840.00								**Detected**
22320.00								**No Emission**
22320.00								**Detected**
24800.00								**No Emission**
24800.00								**Detected**

FCC 15.249

InfinID Technologies, Inc.
Yodeling Wine Tag
Model: WY100-1

Date: 04/17/2017
Lab: D
Tested By: Kyle Fujimoto

Non Harmonic Emissions from the Tx and Digital Portion - 9 kHz to 30 MHz
Non Harmonic Emissions from the Tx and Digital Portion - 1 GHz to 25 GHz

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height (cm)	Comments
								No Emissions Detected
								from 9 kHz to 30 MHz
								for the digital portion
								of the EUT
								No Emissions Detected
								from 9 kHz to 30 MHz
								for the Non-Harmonic Emissions
								of the Transmitter for the EUT
								No Emissions Detected
								from 1 GHz to 25 GHz
								for the digital portion
								of the EUT
								No Emissions Detected
								from 1 GHz to 25 GHz
								for the Non-Harmonic Emissions
								of the Transmitter for the EUT
								Investigated in the X-Axis,
								Y-Axis, and Z-Axis

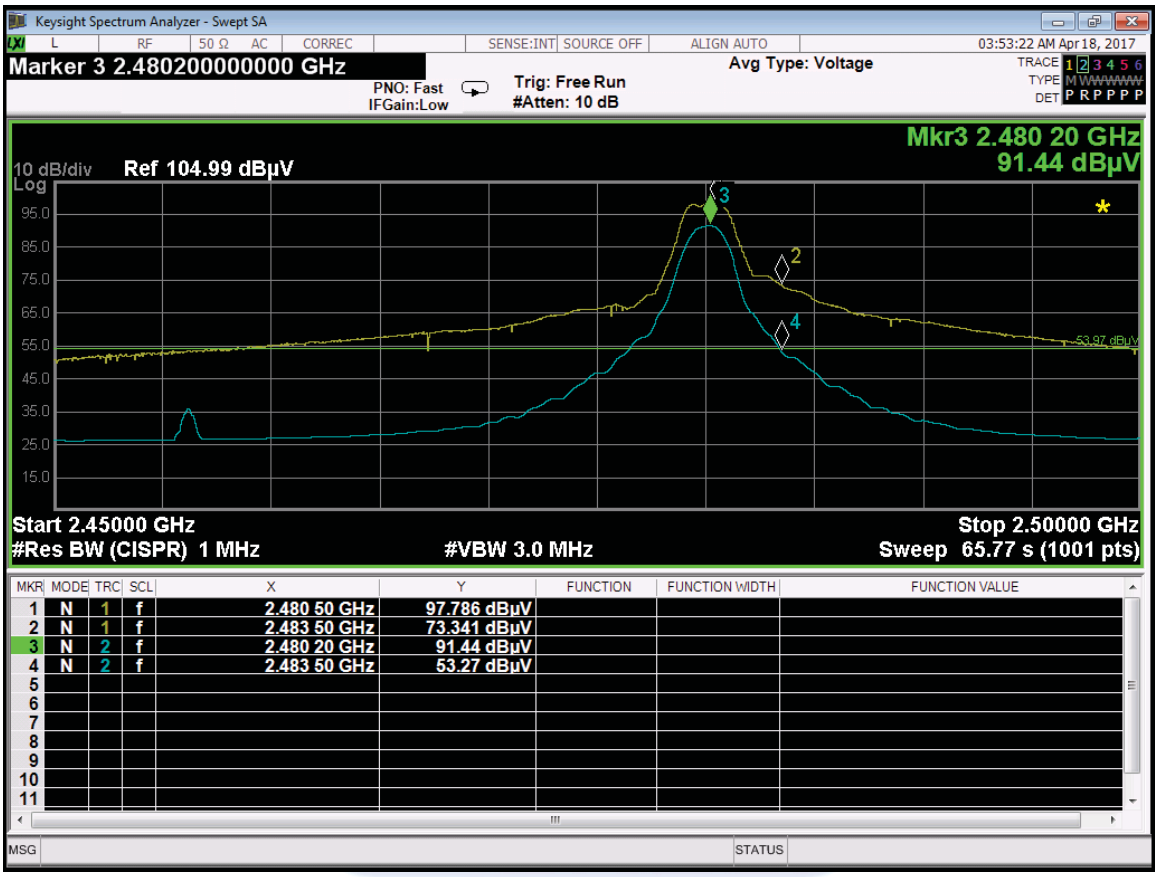
BAND EDGES DATA SHEETS

FCC 15.249
InfinID Technologies, Inc.
Yodeling Wine Tag
Model: WY100-1

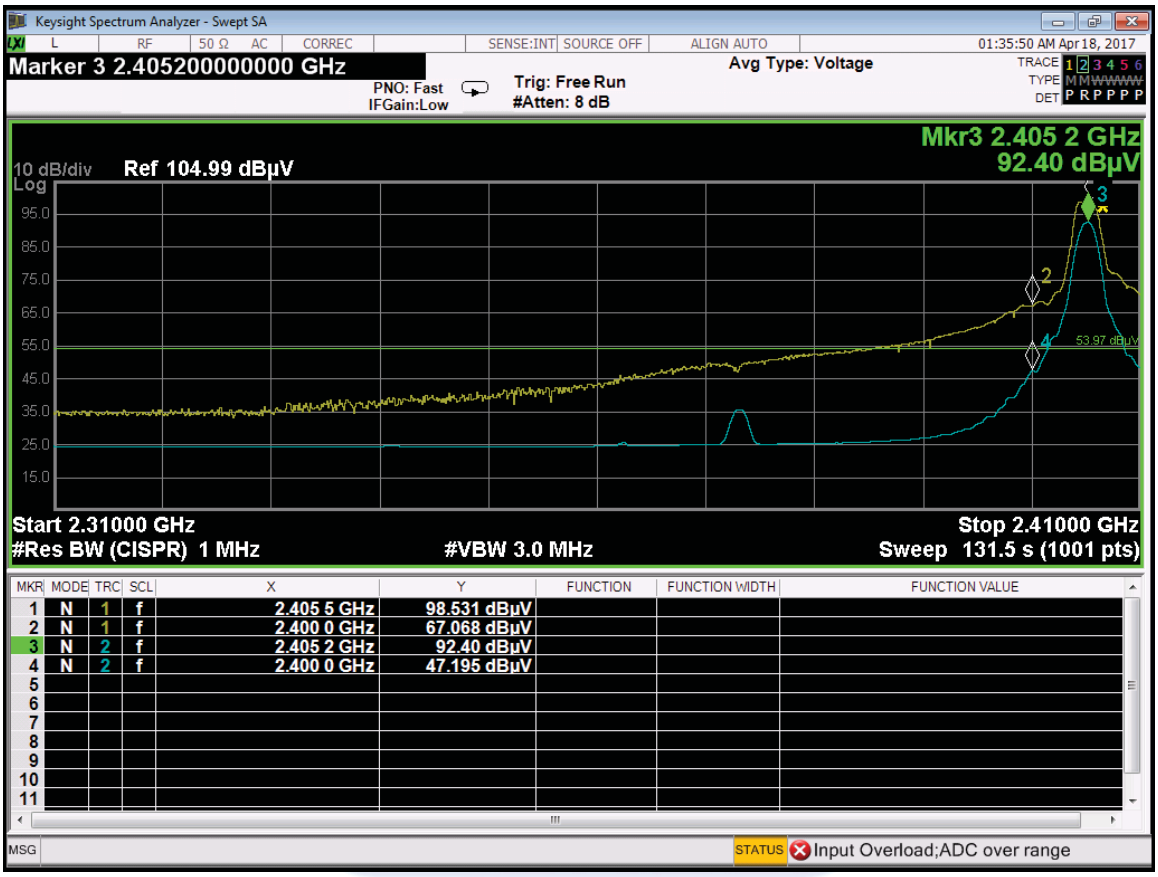
Date: 04/17/2017
Lab: D
Tested By: Kyle Fujimoto

Band Edges

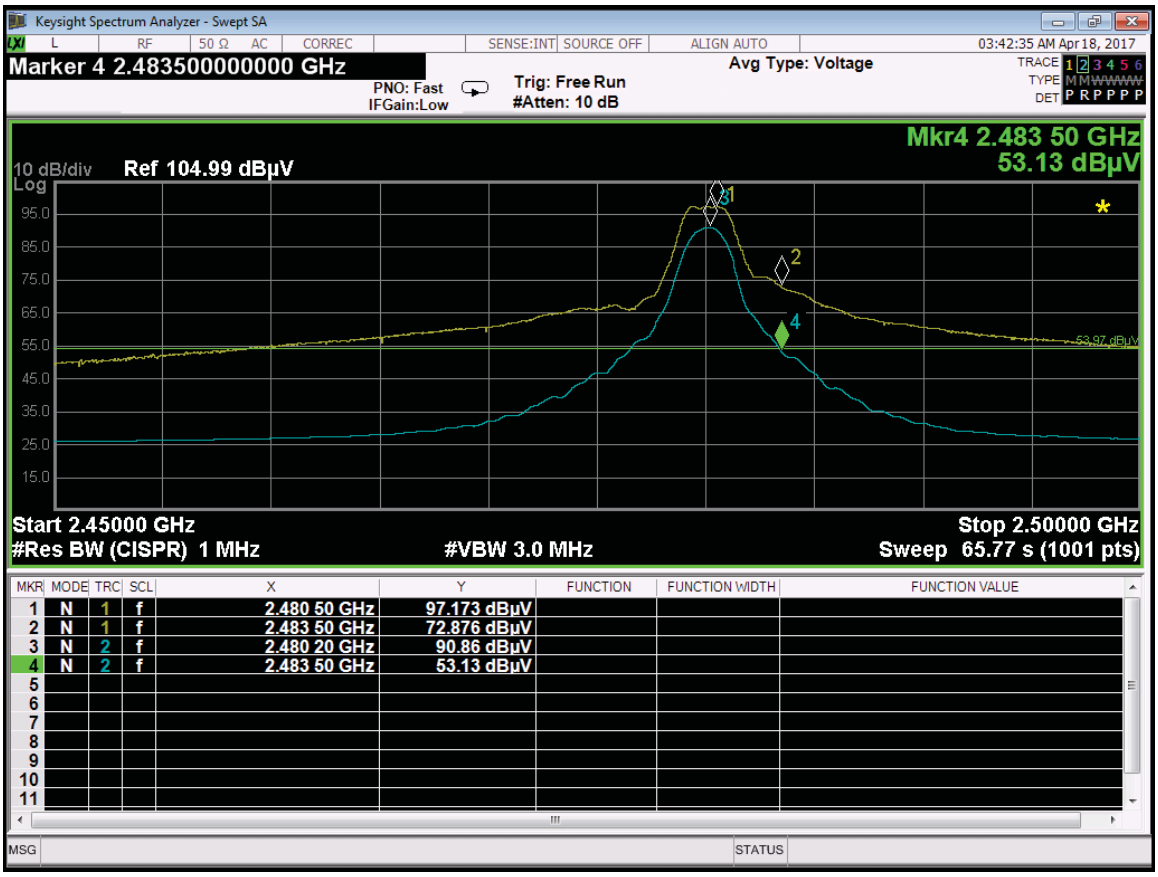
Freq. (MHz)	Level (dBuV/m)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Ant. Height c(m)	Comments
2405.00	98.53	H	113.97	-15.44	Peak	138.75	155.40	**Fundamental - Low Ch.**
2405.00	92.40	H	93.97	-1.57	Avg	138.75	155.40	**Z-Axis - Worst Case**
2400.00	67.07	H	73.97	-6.90	Peak	138.75	155.40	**Band Edge**
2400.00	47.20	H	53.97	-6.78	Avg	138.75	155.40	**Z-Axis - Worst Case**
2405.00	97.24	V	113.97	-16.73	Peak	148.25	138.20	**Fundamental - Low Ch.**
2405.00	91.13	V	93.97	-2.84	Avg	148.25	138.20	**Y-Axis - Worst Case**
2400.00	65.97	V	73.97	-8.00	Peak	148.25	138.20	**Band Edge**
2400.00	46.52	V	53.97	-7.45	Avg	148.25	138.20	**Y-Axis - Worst Case**
2400.00	97.79	H	113.97	-16.18	Peak	328.50	101.22	**Fundamental - High Ch.**
2400.00	91.44	H	93.97	-2.53	QP	328.50	101.22	**X-Axis - Worst Case**
2483.50	73.34	H	73.97	-0.63	Peak	328.50	101.22	**Band Edge**
2483.50	53.27	H	53.97	-0.70	Avg	328.50	101.22	**X-Axis - Worst Case**
2480.00	97.17	V	113.97	-16.80	Peak	140.00	159.88	**Fundamental - High Ch.**
2480.00	90.86	V	93.97	-3.11	QP	140.00	159.88	**Y-Axis - Worst Case**
2483.50	72.88	V	73.97	-1.09	Peak	140.00	159.88	**Band Edge**
2483.50	53.13	V	53.97	-0.84	Avg	140.00	159.88	**Y-Axis - Worst Case**



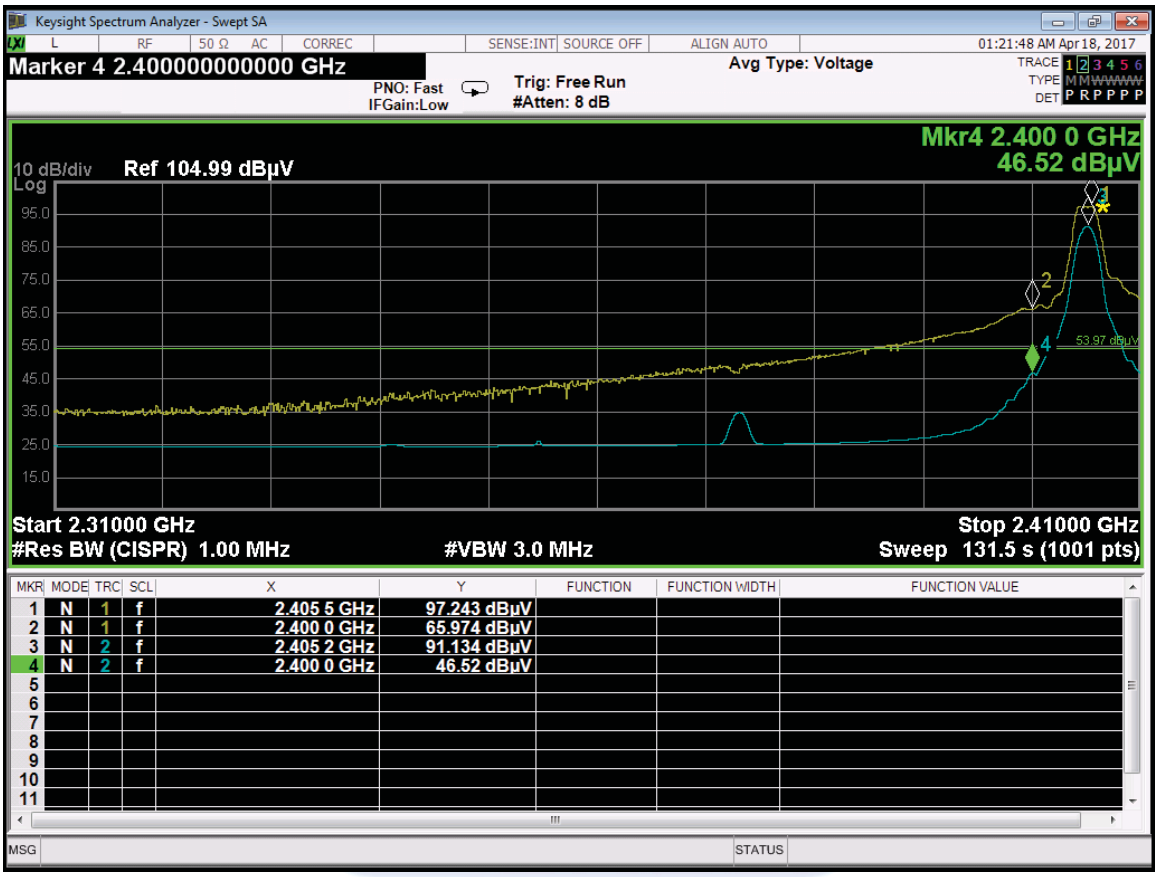
Band Edge –Horizontal Polarization–High Channel–Z–Axis Worst Case



Band Edge – Horizontal Polarization–Low Channel–Z-Axis Worst Case



Band Edge –Vertical Polarization–High Channel–Y–Axis Worst Case



Band Edge – Vertical Polarization–Low Channel–Y–Axis Worst Case