FCC PART 15, SUBPART B and C TEST REPORT

for

V-TAG

MODEL: VT100-2

Prepared for

INFINID TECHNOLOGIES, INC. 1665 DEVON ROAD PASADENA, CALIFORNIA 91103

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DATE: DECEMBER 16, 2014

	REPORT	APPENDICES			TOTAL		
	BODY	\boldsymbol{A}	В	C	D	E	
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Model: VT100-2

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Model: VT100-2

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: V-TAG

Model: VT100-2 S/N: 00106A

Product Description: See Expository Statement.

Modifications: The EUT was not modified during the testing.

Customer: InfinID Technologies, Inc.

1665 Devon Road

Pasadena California, 91103

Test Dates: December 15, 2014

Test Specifications: Emissions requirements

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

Test Procedure: ANSI C63.4

Test Deviations: The test procedure was not deviated from during the testing.

Report Number: **B41215D1 FCC Part 15 Subpart B** and **FCC Section 15.249** Test Report *V-TAG*

Model: VT100-2

SUMMARY OF TEST RESULTS

TEST	DESCRIPTION	RESULTS
1	Spurious Radiated RF Emissions, 10 kHz – 25,000 MHz (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
2	Conducted RF Emissions, 150 kHz to 30 MHz	This test was not performed because the EUT operates on battery power and does not connect to the AC mains.

Model: VT100-2

1. PURPOSE

This document is a qualification test report based on the emissions tests performed on the V-TAG, Model: VT100-2. The emissions measurements were performed according to the measurement procedure described in ANSI C63.4. 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 Senior Systems Engineer

Compatible Electronics Inc.

James Ross Test Engineer Kenneth Lee Test Technician

2.4 Date Test Sample was Received

The test sample was received on December 9, 2014.

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 HP Hewlett Packard

ITE Information Technology Equipment

CML Corrected Meter Limit

LISN Line Impedance Stabilization Network

N/A Not Applicable

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
ANSI C63.4 2009	Methods of measurement of radio-noise emissions from low-voltage electrical and electronic equipment in the range of 9 kHz to 40 GHz

Model: VT100-2

4. DESCRIPTION OF TEST CONFIGURATION

4.1 Description of Test Configuration - Emissions

The V-TAG, Model: VT100-2 (EUT) is a 2.4 GHz transceiver that is powered by a single 3 VDC battery.

The EUT was tested for emissions at the low, middle, and high channels while in the X, Y and Z axis. The EUT was continuously transmitting.

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

Model: VT100-2

5. LISTS OF EUT, ACCESSORIES AND TEST EQUIPMENT

5.1 EUT and Accessory List

EQUIPMENT	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	FCC ID
	INFINID,			
V-TAG (EUT)	TECHNOLOGIES,	VT100-2	00106A	Y8FVT100D2
	INC.			

5.2 Emissions Test Equipment

EQUIPMENT TYPE	MANU- FACTURER	MODEL NUMBER	SERIAL NUMBER	CALIBRATION DATE	CAL. CYCLE		
GENERAL TEST EQUIPMENT USED IN LAB B							
Computer	Compaq	CQ5210F	CNX9360CF9	N/A	N/A		
Monitor	Hewlett Packard	HPs2031a	3CQ046N3MD	N/A	N/A		
EMI Receiver	Rohde & Schwarz	ESIB40	100194	December 4, 2014	1 Year		
	GENERA	AL TEST EQUIP	MENT USED IN	LAB D			
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	Agilent Technologies	N9038A	MY51100115	March 6, 2014	2 Year		
	RF RADI	ATED EMISSIC	ONS TEST EQUIP	MENT			
CombiLog Antenna	Com-Power	AC-220	61060	May 20, 2014	1 Year		
Preamplifier	Com-Power	PA-118	181656	January 13, 2014	1 Year		
Preamplifier	Com-Power	PA-840	711013	May 13, 2014	2 Year		
Loop Antenna	Com-Power	AL-130	17089	January 29, 2013	2 Year		
Horn Antenna	Com-Power	AH-118	071175	February 26, 2014	2 Year		
Horn Antenna	Com-Power	AH-826	0071957	N/A	N/A		
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		

Model: VT100-2

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

The EUT was mounted on a 1.0 by 1.5 meter non-conductive table 0.8 meters above the ground plane.

The EUT was not grounded.

Model: VT100-2

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 Radiated Emissions (Spurious and Harmonics) Test – Lab B

The EMI Receiver was used as a measuring meter. A preamplifier was used to increase the sensitivity of the instrument. The Com Power Microwave Preamplifier Model: PA-118 was used for frequencies above 1 GHz and the PA 840 for frequencies above 18 GHz. The EMI Receiver was used in the peak detect mode with the "Max Hold" feature activated. In this mode, the EMI Receiver records the highest measured reading over all the sweeps.

For frequencies above 1 GHz, the readings were averaged by a "duty cycle correction factor", derived from 20 log (dwell time / 100 ms). This duty cycle correction factor was then subtracted from the peak reading.

The measurement bandwidth and transducer used for the radiated emissions test were:

FREQUENCY RANGE	EFFECTIVE MEASUREMENT BANDWIDTH	TRANSDUCER
1 GHz to 25 GHz	1 MHz	Horn Antenna

The open field test site of Compatible Electronics, Inc. was used for radiated emission testing. This test site is set up according to ANSI C63.4: 2009. 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 by the Radiated Emission Manual Test software. 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.

Model: VT100-2

Radiated Emissions (Spurious and Harmonics) Test -- Lab B (con't)

The presence of ambient signals was verified by turning the EUT off. In case an ambient signal was detected, the measurement bandwidth was reduced temporarily and verification was made that an additional adjacent peak did not exist. This ensures that the ambient signal does not hide any emissions from the EUT. The EUT was tested at a 3 meter test distance from 1 GHz to 25 GHz to obtain the final test data.

Test Results:

The EUT 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, Sections 15.209 and 15.249 for radiated emissions. Please see Appendix E for the data sheets.

Model: VT100-2

7.1.2 Radiated Emissions (Spurious and Harmonics) Test – Lab D

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 in 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 EMI test chamber of Compatible Electronics, Inc. was used for radiated emissions testing. This test site is set up according to ANSI C63.4: 2009. 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 measurement bandwidths and transducers used for the radiated emissions test were:

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

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

Test Results:

The EUT 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, Sections 15.209 and 15.249 (d) for radiated emissions. Please see Appendix E for the data sheets.

7.1.3 RF Emissions Test Results

Table 1.0 RADIATED EMISSION RESULTS

V-TAG, Model: VT100-2

Frequency MHz	Average Corrected Reading* dBuV	Specification Limit dBuV	Delta (Cor. Reading – Spec. Limit) dB	
947.50 (H) (X-Axis) (Mid Channel)	40.38	46.00	-5.62	
935.30 (H) (X-Axis) (Mid Channel)	40.12	46.00	-5.88	
916.50 (H) (X-Axis) (Mid Channel)	39.87	46.00	-6.13	
882.60 (H) (X-Axis) (Mid Channel)	39.20	46.00	-6.80	
7440 (H) (Y-Axis) (High Channel)	46.86	54.00	-7.14	
39.10 (V) (X-Axis) (Mid Channel)	32.53	40.00	-7.47	

Notes:

(H) Horizontal

(V) Vertical

* The complete emissions data is given in Appendix E of this report.

Model: VT100-2

8. CONCLUSIONS

The V-TAG, Model: VT100-2, as tested, meets all of the specification limits defined in FCC Title 47, Part 15, Subpart C, sections 15.205, 15.209, and 15.249.



Report Number: **B41215D1 FCC Part 15 Subpart B** and **FCC Section 15.249** Test Report *V-TAG*

Model: VT100-2

APPENDIX A

LABORATORY ACCREDITATIONS AND RECOGNITIONS



LABORATORY ACCREDITATIONS AND RECOGNITIONS



For US, Canada, Australia/New Zealand, Japan, Taiwan, Korea, and the European Union, Compatible Electronics is currently accredited by NVLAP to ISO/IEC 17025. Please follow the link to the NIST/NVLAP site for each of our facilities' NVLAP certificate and scope of accreditation NVLAP listing links

Agoura Division / Brea Division / Silverado/Lake Forest Division . 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."



ANSI listing CETCB



Compatible Electronics has been nominated as a Conformity Assessment Body (CAB) for EMC under the US/EU Mutual Recognition Agreement (MRA).

US/EU MRA list NIST MRA site



Compatible Electronics has been nominated as a Conformity Assessment Body (CAB) for Taiwan/BSMI under the US/APEC (Asia-Pacific Economic Cooperation) Mutual Recognition Agreement (MRA). **APEC MRA list** NIST MRA site

We are also listed for IT products by the following country/agency:



VCCI Support member: Please visit http://www.vcci.jp/vcci_e/



FCC Listing, from FCC OET site
FCC test lab search https://fjallfoss.fcc.gov/oetcf/eas/reports/TestFirmSearch.cfm



Compatible Electronics IC listing can be found at: http://www.ic.gc.ca/eic/site/ic1.nsf/eng/home

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.

The EUT was not modified during the testing.



APPENDIX C

ADDITIONAL MODELS COVERED UNDER THIS REPORT

ADDITIONAL MODELS COVERED UNDER THIS REPORT

USED FOR THE PRIMARY TEST V-TAG

Model: VT100-2 S/N: 00106A

There were no additional models covered under this report.





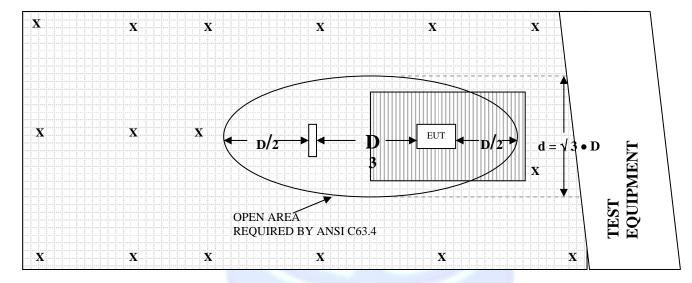
APPENDIX D

DIAGRAMS AND CHARTS



FIGURE 1: PLOT MAP AND LAYOUT OF RADIATED SITE

OPEN LAND > 15 METERS



OPEN LAND > 15 METERS

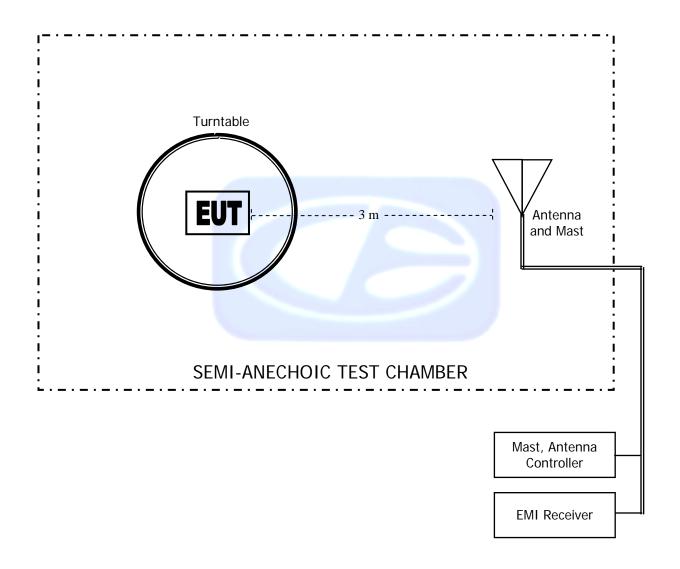
= GROUND RODS

= GROUND SCREEN

D = TEST DISTANCE (meters) = WOOD COVER



FIGURE 2: LAYOUT OF THE SEMI-ANECHOIC TEST CHAMBER



COM-POWER AL-130

LOOP ANTENNA

S/N: 17089

CALIBRATION DATE: JANUARY 29, 2013

FREQUENCY (MHz)	MAGNETIC (dB/m) -42.5 -42.3	ELECTRIC (dB/m)
(M ITZ)	(UD/III)	(ub/III)
0.009	-42.5	9
0.01	-42.3	9.2
0.02	-42.1	9.4
0.03	-41.4 -41.8	10.1
0.04	-41.8	9.7
0.05	-42.4	9.1
0.06	-42.3	9.2
0.07	-42.5	9
0.08	-42.4	9.1
0.09	-42.5	9
0.1	-42.4 -42.3 -42.5 -42.4 -42.5 -42.5 -42.5 -42.7 -42.6	9
0.2 0.3	-42.7	8.8
0.3	-42.6	8.9
0.4	-42.5	9
0.5	-42.7	8.8
0.6	-42.7	8.8
0.7	-42.5	9
0.8	-42.5 -42.3 -42.2	9.2
0.9	-42.2	9.3
1	-42.2	9.3
2	-41.8	9.7
3	-41.7	9.8
4	-41.7	9.8
5	-41.5	10
6	-41.6	9.9
7	-41.4	10.1
8	-41	10.1
9	-41	10.3
10	-40.8 -41.3	10.7
15	-41.5 -41.4	10.4
	-41.4	10.1
20	-41.2	
25	-42.6	8.9
30	-41.7	9.8

COM-POWER AC-220

COMBILOG ANTENNA

S/N: 61060

CALIBRATION DATE: MAY 20, 2014

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	23.40	200	14.40
35	23.70	250	16.40
40	24.20	300	17.90
45	22.60	350	15.60
50	22.10	400	19.90
60	17.90	450	20.40
70	12.70	500	21.60
80	11.60	550	21.50
90	12.20	600	22.30
100	13.20	650	23.50
120	15.70	700	23.70
125	15.80	750	25.90
140	13.60	800	25.90
150	16.90	850	26.40
160	14.20	900	27.00
175	14.90	950	27.70
180	15.00	1000	27.50

COM POWER AH-118

HORN ANTENNA

S/N: 071175

CALIBRATION DATE: FEBRUARY 26, 2014

FREQUENCY	FACTOR	FREQUENCY	FACTOR
(GHz)	(dB)	(GHz)	(dB)
1.0	24.23	10.0	38.43
1.5	25.84	10.5	40.19
2.0	28.14	11.0	40.49
2.5	29.51	11.5	41.39
3.0	31.20	12.0	42.02
3.5	32.17	12.5	43.30
4.0	31.40	13.0	42.77
4.5	31.86	13.5	40.18
5.0	34.82	14.0	42.59
5.5	34.38	14.5	41.74
6.0	36.31	15.0	41.84
6.5	34.81	15.5	38.48
7.0	37.48	16.0	39.52
7.5	36.98	16.5	37.85
8.0	36.66	17.0	41.33
8.5	38.47	17.5	44.96
9.0	37.22	18.0	48.50
9.5	37.86		

COM-POWER PA-118

PREAMPLIFIER

S/N: 181656

CALIBRATION DATE: JANUARY 13, 2014

FREQUENCY	FACTOR	FREQUENCY	FACTOR
(GHz)	(dB)	(GHz)	(dB)
1.0	24.90	6.0	25.40
1.1	25.30	6.5	25.20
1.2	26.00	7.0	24.40
1.3	26.20	7.5	24.00
1.4	26.30	8.0	23.90
1.5	26.40	8.5	24.50
1.6	26.50	9.0	25.20
1.7	26.60	9.5	24.80
1.8	26.50	10.0	24.90
1.9	26.60	11.0	25.40
2.0	26.70	12.0	24.50
2.5	26.90	13.0	24.30
3.0	27.00	14.0	25.20
3.5	27.10	15.0	25.90
4.0	26.60	16.0	25.60
4.5	26.10	17.0	23.70
5.0	26.40	18.0	25.80
5.5	25.80		

COM-POWER AH-826

HORN ANTENNA

S/N: 71957

FREQUENCY	FACTOR	FREQUENCY	FACTOR
(GHz)	(dB)	(GHz)	(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, 2014

FREQUENCY	FACTOR	FREQUENCY	FACTOR
(GHz)	(dB)	(GHz)	(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.

V-TAG

MODEL: VT100-2

FCC SUBPART B AND C – RADIATED EMISSIONS – BELOW 1 GHz

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS



REAR VIEW

INFINID TECHNOLOGIES, INC.

V-TAG

MODEL: VT100-2

FCC SUBPART B AND C – RADIATED EMISSIONS – BELOW 1 GHz

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS





FRONT VIEW

INFINID TECHNOLOGIES, INC. V-TAG MODEL: VT100-2 FCC SUBPART B AND C - RADIATED EMISSIONS - ABOVE 1 GHz

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS





REAR VIEW

INFINID TECHNOLOGIES, INC. V-TAG MODEL: VT100-2 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





Report Number: **B41215D1 FCC Part 15 Subpart B** and **FCC Section 15.249** Test Report

V-TAG Model: VT100-2

Title: Pre-Scan - FCC Class B
File: Agilent - Radiated Pre-Scan 30-1000Mhz - FCC Class B - 12-15-2014.set
Operator: Kenneth Lee
EUT Type: V-TAG
EUT Condition: Continuously Tranmitting - X-Axis - Mid Channel - Worst Case
Comments: Customer: InfinID Technologies, Inc.
M/N: VT100-2

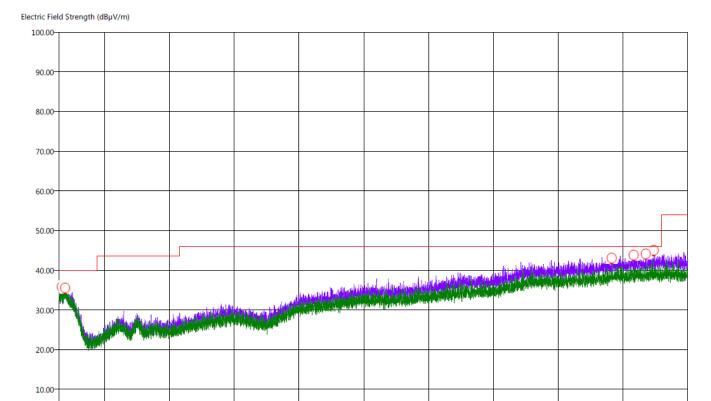
200.00

300.00

400.00

12/15/2014 3:23:20 PM Sequence: Preliminary Scan

FCC Class B



500.00

0.00-

30.00

100.00

(PEAK) EMI (H)

- (PEAK) EMI (V)

600.00

Freq (MHz)

900.00

Limit

1000.00

800.00

700.00

Report Number: **B41215D1 FCC Part 15 Subpart B** and **FCC Section 15.249** Test Report

V-TAG

Model: VT100-2

Title: Radiated Final - 30-1000 MHz - FCC Class B File: Agilent - Radiated Final Scan 30-1000Mhz - FCC Class B - 12-15-2014.set Operator: Kenneth Lee EUT Type: V-TAG EUT Condition: Continuously Transmitting - X-Axis - Mid Channel - Worst Case Comments: Customer: InfinID Technologies, Inc.

M/N: VT100-2

12/15/2014 3:33:30 PM Sequence: Final Measurements

Final Scan - FCC Class B

Freq	Pol	(PEAK) EMI	(QP) EMI	(PEAK) Margin	(QP) Margin	Limit	Transducer	Cable	Twr Ht	Ttbl Agl
(MHz)		(dBµV/m)	(dBµV/m)	(dB)	(dB)	(dBµV/m)	(dB)	(dB)	(cm)	(deg)
34.00	Н	36.36	32.07	-3.64	-7.93	40.00	23.65	0.39	287.31	208.00
39.10	V	36.14	32.53	-3.86	-7.47	40.00	24.12	0.42	287.55	80.50
882.60	H	44.48	39.20	-1.52	-6.80	46.00	26.80	2.60	175.61	276.75
916.50	Н	44.45	39.87	-1.55	-6.13	46.00	27.23	2.66	384.02	100.00
935.30	H	43.98	40.12	-2.02	-5.88	46.00	27.50	2.69	287.61	242.00
947.50	н	45.00	40.38	-1.00	-5.62	46.00	27.67	2.71	271.73	14.75





FCC 15.249

InfinID Technologies, Inc. Date: 12/15/2014

V-TAG Lab: B

Model: VT100-2 Tested By: Kenneth Lee

Low Channel X-Axis - Vertical

					Dook /	Λnt	Lable	
F	Level	Pol			Peak / QP /	Ant.	Table	
Freq.				I., . I		Height	Angle	•
(MHz)	(dBuV)	(v/h)	Limit	Margin	Avg	(m)	(deg)	Comments
2405	80.43	V	114	-33.57	Peak	1.75	290	
2405	60.43	V	94	-33.57	Avg	1.75	290	
4810	47.86	V	74	-26.14	Peak	1	300	
4810	27.86	V	54	-26.14	Avg	1	300	
7215	54.32	V	74	-19.68	Peak	2	45	
7215	34.32	V	54	-19.68	Avg	2	45	
9620		V	74		Peak			No Emissions
9620		V	54		Avg			Detected
12025		V	74		Peak			No Emissions
12025		٧	54		Avg			Detected
14430		٧	74		Peak			No Emissions
14430		V	54		Avg			Detected
16835		V	74		Peak			No Emissions
16835		V	54		Avg			Detected
19240		V	74		Peak			No Emissions
19240		V	54		Avg			Detected
21645		V	74		Peak			No Emissions
21645		V	54		Avg			Detected
24050		V	74		Peak			No Emissions
24050		V	54		Avg			Detected
					_			



FCC 15.249

InfinID Technologies, Inc. Date: 12/15/2014

V-TAG Lab: B

Model: VT100-2 Tested By: Kenneth Lee

Low Channel X-Axis - Horizontal

Freq. (MHz) Level (dBuV) Pol (v/h) Limit Limit Margin Avg (m) Height (m) (deg) Comments 2405 83.77 H 114 -30.23 Peak 1.5 330 2405 63.77 H 94 -30.23 Avg 1.5 330 4810 53.61 H 74 -20.39 Peak 2.1 75 4810 33.61 H 54 -20.39 Avg 2.1 75 7215 52.73 H 74 -21.27 Peak 1 90 7215 32.73 H 54 -21.27 Avg 1 90 9620 H 74 Peak Avg Detected No Emissions 12025 H 54 Avg Detected 14430 H 74 Peak Avg Detected 16835 H 74 Peak Avg Detected 16835 H 54 Avg Detected 19240 H 54 Avg Detected 19240 H 54						Peak /	Ant.	lable	
(MHz) (dBuV) (v/h) Limit Margin Avg (m) (deg) Comments 2405 83.77 H 114 -30.23 Peak 1.5 330 2405 63.77 H 94 -30.23 Avg 1.5 330 4810 53.61 H 74 -20.39 Peak 2.1 75 4810 33.61 H 54 -20.39 Avg 2.1 75 7215 52.73 H 74 -21.27 Peak 1 90 7215 32.73 H 54 -21.27 Avg 1 90 9620 H 74 Peak No Emissions 9620 H 54 Avg Detected 12025 H 54 Avg No Emissions 12025 H 54 Avg Detected 14430 H 74 Peak No Emissions 16835 <th>Freg</th> <th>Level</th> <th>Pol</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	Freg	Level	Pol						
2405 83.77 H 114 -30.23 Peak 1.5 330 2405 63.77 H 94 -30.23 Avg 1.5 330 4810 53.61 H 74 -20.39 Peak 2.1 75 4810 33.61 H 54 -20.39 Avg 2.1 75 7215 52.73 H 74 -21.27 Peak 1 90 7215 32.73 H 54 -21.27 Avg 1 90 9620 H 74 Peak No Emissions 9620 H 54 Avg Detected 12025 H 54 Avg No Emissions 12025 H 54 Avg Detected 14430 H 74 Peak No Emissions 14430 H 74 Peak No Emissions 16835 H 54 Avg Detected <				Limit	Margin		_	_	Comments
2405 63.77 H 94 -30.23 Avg 1.5 330 4810 53.61 H 74 -20.39 Peak 2.1 75 4810 33.61 H 54 -20.39 Avg 2.1 75 7215 52.73 H 74 -21.27 Peak 1 90 7215 32.73 H 54 -21.27 Avg 1 90 9620 H 74 Peak No Emissions 9620 H 54 Avg Detected 12025 H 74 Peak No Emissions 12025 H 54 Avg Detected 14430 H 74 Peak No Emissions 14430 H 54 Avg Detected 16835 H 74 Peak No Emissions 16835 H 74 Peak No Emissions 19240 H					_	•			Comments
4810 53.61 H 74 -20.39 Peak 2.1 75 4810 33.61 H 54 -20.39 Avg 2.1 75 7215 52.73 H 74 -21.27 Peak 1 90 7215 32.73 H 54 -21.27 Avg 1 90 9620 H 74 Peak No Emissions 9620 H 54 Avg Detected 12025 H 74 Peak No Emissions 12025 H 54 Avg Detected 14430 H 74 Peak No Emissions 14430 H 54 Avg Detected 16835 H 74 Peak No Emissions 16835 H 74 Peak No Emissions 19240 H 54 Avg Detected 21645 H 74 Peak No Emissio									
4810 33.61 H 54 -20.39 Avg 2.1 75 7215 52.73 H 74 -21.27 Peak 1 90 7215 32.73 H 54 -21.27 Avg 1 90 9620 H 74 Peak No Emissions 9620 H 54 Avg Detected 12025 H 74 Peak No Emissions 12025 H 54 Avg Detected 14430 H 74 Peak No Emissions 14430 H 74 Peak No Emissions 16835 H 74 Peak No Emissions 16835 H 74 Peak No Emissions 19240 H 74 Peak No Emissions 19240 H 54 Avg Detected 21645 H 74 Peak No Emissions	2405	03.11	П	94	-30.23	Avg	1.5	330	
4810 33.61 H 54 -20.39 Avg 2.1 75 7215 52.73 H 74 -21.27 Peak 1 90 7215 32.73 H 54 -21.27 Avg 1 90 9620 H 74 Peak No Emissions 9620 H 54 Avg Detected 12025 H 74 Peak No Emissions 12025 H 54 Avg Detected 14430 H 74 Peak No Emissions 14430 H 74 Peak No Emissions 16835 H 74 Peak No Emissions 16835 H 74 Peak No Emissions 19240 H 74 Peak No Emissions 19240 H 54 Avg Detected 21645 H 74 Peak No Emissions	4040	FO 04		74	20.20	Deele	0.4	7.5	
7215 52.73 H 74 -21.27 Peak 1 90 7215 32.73 H 54 -21.27 Avg 1 90 9620 H 74 Peak No Emissions 9620 H 54 Avg Detected 12025 H 74 Peak No Emissions 12025 H 54 Avg Detected 14430 H 74 Peak No Emissions 14430 H 54 Avg Detected 16835 H 74 Peak No Emissions 16835 H 54 Avg Detected 19240 H 74 Peak No Emissions 19240 H 54 Avg Detected 21645 H 74 Peak No Emissions									
7215 32.73 H 54 -21.27 Avg 1 90 9620 H 74 Peak No Emissions 9620 H 54 Avg Detected 12025 H 74 Peak No Emissions 12025 H 54 Avg Detected 14430 H 74 Peak No Emissions 14430 H 54 Avg Detected 16835 H 74 Peak No Emissions 16835 H 54 Avg Detected 19240 H 74 Peak No Emissions 19240 H 54 Avg Detected 21645 H 74 Peak No Emissions	4810	33.61	Н	54	-20.39	Avg	2.1	/5	
7215 32.73 H 54 -21.27 Avg 1 90 9620 H 74 Peak No Emissions 9620 H 54 Avg Detected 12025 H 74 Peak No Emissions 12025 H 54 Avg Detected 14430 H 74 Peak No Emissions 14430 H 54 Avg Detected 16835 H 74 Peak No Emissions 16835 H 54 Avg Detected 19240 H 74 Peak No Emissions 19240 H 54 Avg Detected 21645 H 74 Peak No Emissions	7045	FO 70	- 11	74	04.07	Deel	4	00	
9620 H 74 Peak No Emissions 9620 H 54 Avg Detected 12025 H 74 Peak No Emissions 12025 H 54 Avg Detected 14430 H 74 Peak No Emissions 14430 H 54 Avg Detected 16835 H 74 Peak No Emissions 16835 H 54 Avg Detected 19240 H 74 Peak No Emissions 19240 H 54 Avg Detected 21645 H 74 Peak No Emissions									
9620 H 54 Avg Detected 12025 H 74 Peak No Emissions 12025 H 54 Avg Detected 14430 H 74 Peak No Emissions 14430 H 54 Avg Detected 16835 H 74 Peak No Emissions 16835 H 54 Avg Detected 19240 H 74 Peak No Emissions 19240 H 54 Avg Detected 21645 H 74 Peak No Emissions	7215	32.73	Н	54	-21.27	Avg	1	90	
9620 H 54 Avg Detected 12025 H 74 Peak No Emissions 12025 H 54 Avg Detected 14430 H 74 Peak No Emissions 14430 H 54 Avg Detected 16835 H 74 Peak No Emissions 16835 H 54 Avg Detected 19240 H 74 Peak No Emissions 19240 H 54 Avg Detected 21645 H 74 Peak No Emissions	0000			7.4					
12025 H 74 Peak No Emissions 12025 H 54 Avg Detected 14430 H 74 Peak No Emissions 14430 H 54 Avg Detected 16835 H 74 Peak No Emissions 16835 H 54 Avg Detected 19240 H 74 Peak No Emissions 19240 H 54 Avg Detected 21645 H 74 Peak No Emissions									
12025 H 54 Avg Detected 14430 H 74 Peak No Emissions 14430 H 54 Avg Detected 16835 H 74 Peak No Emissions 16835 H 54 Avg Detected 19240 H 74 Peak No Emissions 19240 H 54 Avg Detected 21645 H 74 Peak No Emissions	9620		Н	54		Avg			Detected
12025 H 54 Avg Detected 14430 H 74 Peak No Emissions 14430 H 54 Avg Detected 16835 H 74 Peak No Emissions 16835 H 54 Avg Detected 19240 H 74 Peak No Emissions 19240 H 54 Avg Detected 21645 H 74 Peak No Emissions									
14430 H 74 Peak No Emissions 14430 H 54 Avg Detected 16835 H 74 Peak No Emissions 16835 H 54 Avg Detected 19240 H 74 Peak No Emissions 19240 H 54 Avg Detected 21645 H 74 Peak No Emissions									
14430 H 54 Avg Detected 16835 H 74 Peak No Emissions 16835 H 54 Avg Detected 19240 H 74 Peak No Emissions 19240 H 54 Avg Detected 21645 H 74 Peak No Emissions	12025		Н	54		Avg			Detected
14430 H 54 Avg Detected 16835 H 74 Peak No Emissions 16835 H 54 Avg Detected 19240 H 74 Peak No Emissions 19240 H 54 Avg Detected 21645 H 74 Peak No Emissions									
16835 H 74 Peak No Emissions 16835 H 54 Avg Detected 19240 H 74 Peak No Emissions 19240 H 54 Avg Detected 21645 H 74 Peak No Emissions									
16835 H 54 Avg Detected 19240 H 74 Peak No Emissions 19240 H 54 Avg Detected 21645 H 74 Peak No Emissions	14430		Н	54		Avg			Detected
16835 H 54 Avg Detected 19240 H 74 Peak No Emissions 19240 H 54 Avg Detected 21645 H 74 Peak No Emissions									
19240 H 74 Peak No Emissions 19240 H 54 Avg Detected 21645 H 74 Peak No Emissions						Peak			No Emissions
19240 H 54 Avg Detected 21645 H 74 Peak No Emissions	16835		Н	54		Avg			Detected
19240 H 54 Avg Detected 21645 H 74 Peak No Emissions									
21645 H 74 Peak No Emissions						Peak			No Emissions
_	19240		Н	54		Avg			Detected
_ + + + + + + + + + + + + + + + + + + +									
21645 H 54 Avg Detected	21645					Peak			No Emissions
	21645		Н	54		Avg			Detected
24050 H 74 Peak No Emissions	24050		Н	74		Peak			No Emissions
24050 H 54 Avg Detected	24050		Н	54		Avg			Detected
						Ŭ			



COMPATIBLE ELECTRONICS

Model: VT100-2

FCC 15.249

InfinID Technologies, Inc. Date: 12/15/2014

V-TAG Lab: B

Model: VT100-2 Tested By: Kenneth Lee

Low Channel Y-Axis - Vertical

					Peak /	Ant.	Lable	
Evan	Level	Pol			QP /			
Freq.				l., .		Height	Angle	
(MHz)	(dBuV)	(v/h)	Limit	Margin	Avg	(m)	(deg)	Comments
2405	85.68	V	114	-28.32	Peak	1	170	
2405	65.68	>	94	-28.32	Avg	1	170	
4810	49.06	>	74	-24.94	Peak	3	45	
4810	29.06	V	54	-24.94	Avg	3	45	
7215	53.08	٧	74	-20.92	Peak	2.75	340	
7215	33.08	٧	54	-20.92	Avg	2.75	340	
9620		V	74		Peak			No Emission
9620		V	54		Avg			Detected
12025		٧	74		Peak			No Emission
12025		٧	54		Avg			Detected
14430		V	74		Peak			No Emission
14430		V	54		Avg			Detected
16835		V	74		Peak			No Emission
16835		V	54		Avg			Detected
19240		V	74		Peak			No Emission
19240		V	54		Avg			Detected
21645		V	74		Peak			No Emission
21645		V	54		Avg			Detected
		-						
24050		V	74		Peak			No Emission
24050		V	54		Avg			Detected
2.300		•	<u> </u>		9			20100104



FCC 15.249

InfinID Technologies, Inc. Date: 12/15/2014

V-TAG Lab: B

Model: VT100-2 Tested By: Kenneth Lee

Low Channel Y-Axis - Horizontal

					Peak /	Ant.	l able	
Freq.	Level	Pol			QP /	Height	Angle	
(MHz)	(dBuV)	(v/h)	Limit	Margin	Avg	(m)	(deg)	Comments
2405	73.4	Н	114	-40.6	Peak	1	45	
2405	53.4	Н	94	-40.6	Avg	1	45	
4810	54.37	Н	74	-19.63	Peak	1.75	340	
4810	34.37	Н	54	-19.63	Avg	1.75	340	
7045	55.40		7.4	40.04		_	45	
7215	55.19	H	74 54	-18.81	Peak	2	45	
7215	35.19	Н	54	-18.81	Avg		45	
9620		Н	74		Peak			No Emissions
9620		H	54		Avg			Detected
3020		- 11	J4		Avy			Detected
12025		Н	74		Peak			No Emissions
12025		H	54		Avg			Detected
					9			
14430		Н	74		Peak			No Emissions
14430		Н	54		Avg			Detected
16835		Н	74		Peak			No Emissions
16835		Н	54		Avg			Detected
19240		Н	74		Peak			No Emissions
19240		Н	54		Avg			Detected
04045			7.					
21645		H	74		Peak			No Emissions
21645		Н	54		Avg			Detected
24050		1.1	74		Dook			No Emississe
24050		H	74 54		Peak			No Emissions Detected
24000		п	54		Avg			Detected



FCC 15.249

InfinID Technologies, Inc. Date: 12/15/2014

V-TAG Lab: B

Model: VT100-2 Tested By: Kenneth Lee

Low Channel Z-Axis - Vertical

					Peak /	Ant.	Lable	
Freq.	Level	Pol			QP /	Height	Angle	
(MHz)	(dBuV)	(v/h)	Limit	Margin	Avg	(m)	(deg)	Comments
2405	72.21	V	114	-41.79	Peak	2.25	0	
2405	52.21	V	94	-41.79	Avg	2.25	0	
4810	56.84	V	74	-17.16	Peak	1	35	
4810	36.84	V	54	-17.16	Avg	1	35	
7215	53.52	V	74	-20.48	Peak	1.1	290	
7215	33.52	V	54	-20.48	Avg	1.1	290	
					-			
9620		V	74		Peak			No Emission
9620		V	54		Avg			Detected
40005			74		DI-			
12025		V	74 54		Peak			No Emission
12025		V	54		Avg			Detected
14430		V	74		Peak			No Emission
14430		V	54		Avg			Detected
14430		V	34		Avg			Detected
16835		V	74		Peak			No Emission
16835		V	54		Avg			Detected
10000					7.19			Dottottou
19240		V	74		Peak			No Emission
19240		V	54		Avg			Detected
					Ŭ			
21645		V	74		Peak			No Emission
21645		V	54		Avg			Detected
24050		V	74		Peak			No Emission
24050		V	54		Avg			Detected





FCC 15.249

InfinID Technologies, Inc. Date: 12/15/2014

V-TAG Lab: B

Model: VT100-2 Tested By: Kenneth Lee

Low Channel Z-Axis - Horizontal

					Peak /	Ant.	Lable	
Freq.	Level	Pol			QP /	Height	Angle	
(MHz)	(dBuV)	(v/h)	Limit	Margin	Avg	(m)	(deg)	Comments
2405	86.58	Н	114	-27.42	Peak	1.25	190	
2405	66.58	Н	94	-27.42	Avg	1.25	190	
4810	46.85	Н	74	-27.15	Peak	1.25	125	
4810	26.85	Н	54	-27.15	Avg	1.25	125	
7215	54.11	Н	74	-19.89	Peak	2	80	
7215	34.11	Н	54	-19.89	Avg	2	80	
0000			74					
9620		H	74		Peak			No Emissions
9620		Н	54		Avg			Detected
12025		Н	74		Peak			No Emissions
12025		H	54		Avg			Detected
12023		п	34		Avg			Detected
14430		Н	74		Peak			No Emissions
14430		H	54		Avg			Detected
11100					7.19			Dottotteu
16835		Н	74		Peak			No Emissions
16835		Н	54		Avg			Detected
19240		Н	74		Peak			No Emissions
19240		Н	54		Avg			Detected
21645		Н	74		Peak			No Emissions
21645		Н	54		Avg			Detected
24050		Н	74		Peak			No Emissions
24050		Н	54		Avg			Detected





FCC 15.249

InfinID Technologies, Inc. Date: 12/15/2014

V-TAG Lab: B

Model: VT100-2 Tested By: Kenneth Lee

Middle Channel X-Axis - Vertical

					Peak /	Ant.	Lable	
Freq.	Level	Pol			QP /	Height	Angle	
(MHz)	(dBuV)	(v/h)	Limit	Margin	_	_	_	Comments
	,	, ,		Margin	Avg	(m)	(deg)	Comments
2445	88.42	V	114	-25.58	Peak	1.25	15	
2445	68.42	V	94	-25.58	Avg	1.25	15	
4890	47.95	V	74	-26.05	Peak	1.1	0	
4890	27.95	V	54	-26.05	Avg	1.1	0	
7335	57.34	V	74	-16.66	Peak	2.75	75	
7335	37.34	٧	54	-16.66	Avg	2.75	75	
9780		V	74		Peak			No Emission
9780		V	54		Avg			Detected
12225		V	74		Peak			No Emission
12225		V	54		Avg			Detected
14670		V	74		Peak			No Emission
14670		V	54		Avg			Detected
17115		V	74		Peak			No Emission
17115		V	54		Avg			Detected
					J			
19560		V	74		Peak			No Emission
19560		V	54		Avg			Detected
					J			
22005		V	74		Peak			No Emission
22005		V	54		Avg			Detected
					- 3			
24450		V	74		Peak			No Emission
24450		V	54		Avg			Detected
		-			9			





FCC 15.249

InfinID Technologies, Inc. Date: 12/15/2014

V-TAG Lab: B

Model: VT100-2 Tested By: Kenneth Lee

Middle Channel X-Axis - Horizontal

					Peak /	Ant.	Lable	
Freq.	Level	Pol			QP /	Height	Angle	
-			1 ::4	Manain		_	_	Comments
(MHz)	(dBuV)	(v/h)	Limit	Margin	Avg	(m)	(deg)	Comments
2445	86.83	Н	114	-27.17	Peak	2.5	340	
2445	66.83	Н	94	-27.17	Avg	2.5	340	
4890	50.92	Н	74	-23.08	Peak	2	225	
4890	30.92	Н	54	-23.08	Avg	2	225	
7335	56.61	Н	74	-17.39	Peak	2.25	80	
7335	36.61	Н	54	-17.39	Avg	2.25	80	
9780		Н	74		Peak			No Emissions
9780		Н	54		Avg			Detected
12225		Н	74		Peak			No Emissions
12225		Н	54		Avg			Detected
14670		Н	74		Peak			No Emissions
14670		Н	54		Avg			Detected
17115		Н	74		Peak			No Emissions
17115		Н	54		Avg			Detected
19560		Н	74		Peak			No Emissions
19560		Н	54		Avg			Detected
					Ŭ			
22005		Н	74		Peak			No Emissions
22005		Н	54		Avg			Detected
					Ŭ			
24450		Н	74		Peak			No Emissions
24450		Н	54		Avg			Detected
					9			



Report Number: **B41215D1 FCC Part 15 Subpart B** and **FCC Section 15.249** Test Report *V-TAG*

Model: VT100-2

FCC 15.249

InfinID Technologies, Inc. Date: 12/15/2014

V-TAG Lab: B

Model: VT100-2 Tested By: Kenneth Lee

Middle Channel Y-Axis - Vertical

Freq.	Level	Pol			Peak / QP /	Ant. Height	l able Angle	
(MHz)	(dBuV)	(v/h)	Limit	Margin	Avg	(m)	(deg)	Comments
2445	87.28	V	114	-26.72	Peak	1.5	200	
2445	67.28	V	94	-26.72	Avg	1.5	200	
4890	49.66	V	74	-24.34	Peak	1	35	
4890	29.66	V	54	-24.34	Avg	1	35	
7335	56.35	V	74	-17.65	Peak	1.5	300	
7335	36.35	V	54	-17.65	Avg	1.5	300	
9780		V	74		Peak			No Emissions
9780		V	54		Avg			Detected
40005								
12225		V	74		Peak			No Emissions
12225		V	54		Avg			Detected
44070								
14670		V	74		Peak			No Emissions
14670		V	54		Avg			Detected
47445			74					
17115		V	74		Peak			No Emissions
17115		V	54		Avg			Detected
10500		1/	74		Dools			No Feelenton
19560 19560		V	74 54		Peak			No Emissions
19500		V	54		Avg			Detected
22005		V	74		Peak			No Emissions
22005		V	54		Avg			Detected
22003		v	54		Avy			Detected
24450		V	74		Peak			No Emissions
24450		V	54		Avg			Detected
21100		•			/ · · · · g			Detected





FCC 15.249

InfinID Technologies, Inc. Date: 12/15/2014

V-TAG Lab: B

COMPATIBLE ELECTRONICS

Model: VT100-2 Tested By: Kenneth Lee

Middle Channel Y-Axis - Horizontal

_		D-I			Peak /	Ant.	lable	
Freq.	Level	Pol	1 ::4	Manain	QP /	Height	Angle	Comments
(MHz)	(dBuV)	(v/h)	Limit	Margin	Avg	(m)	(deg)	Comments
2445	87.41	H	114	-26.59	Peak	3	45	
2445	67.41	Н	94	-26.59	Avg	3	45	
4000	54.07		7.4	40.40			0.40	
4890	54.87	H	74	-19.13	Peak	1	340	
4890	34.87	Н	54	-19.13	Avg	1	340	
7005	FF 20	- 11	74	40.74	Deele	2.25	200	
7335 7335	55.29 35.29	H	74 54	-18.71 -18.71	Peak	2.25	300 300	
7330	30.29	П	34	-10.71	Avg	2.20	300	
9780		Н	74		Peak			No Emissions
9780		H	54		Avg			Detected
3100		- 11	J4		Avy			Detected
12225		Н	74		Peak			No Emissions
12225		H	54		Avg			Detected
12220		- ''	- 01		Avg			Detected
14670		Н	74		Peak			No Emissions
14670		H	54		Avg			Detected
					9			
17115		Н	74		Peak			No Emissions
17115		Н	54		Avg			Detected
19560		Н	74		Peak			No Emissions
19560		Н	54		Avg			Detected
22005		Н	74		Peak			No Emissions
22005		Н	54		Avg			Detected
24450		Н	74		Peak			No Emissions
24450		Н	54		Avg			Detected



Report Number: **B41215D1 FCC Part 15 Subpart B** and **FCC Section 15.249** Test Report *V-TAG*

Model: VT100-2

FCC 15.249

InfinID Technologies, Inc. Date: 12/15/2014

V-TAG Lab: B

Model: VT100-2 Tested By: Kenneth Lee

Middle Channel Z-Axis - Vertical

					Peak /	Ant.	Lable	
Freq.	Level	Pol			QP/	Height	Angle	
(MHz)	(dBuV)	(v/h)	Limit	Margin	Avg	(m)	(deg)	Comments
2445	87.06	V	114	-26.94	Peak	1	45	
2445	67.06	٧	94	-26.94	Avg	1	45	
4890	57.01	V	74	-16.99	Peak	1.25	0	
4890	37.01	V	54	-16.99	Avg	1.25	0	
7335	57.44	V	74	-16.56	Peak	2	350	
7335	37.44	V	54	-16.56	Avg	2	350	
0700		1/	74		Dools			No Fortactore
9780 9780		V	74 54		Peak			No Emissions
9780		V	54		Avg			Detected
12225		V	74		Peak			No Emissions
12225		V	54		Avg			Detected
12220		V	- 54		Avg			Detected
14670		V	74		Peak			No Emissions
14670		V	54		Avg			Detected
17115		V	74		Peak			No Emissions
17115		V	54		Avg			Detected
19560		V	74		Peak			No Emissions
19560		V	54		Avg			Detected
22005		V	74		Peak			No Emissions
22005		V	54		Avg			Detected
04450			7.4					
24450		V	74		Peak			No Emissions
24450		V	54		Avg			Detected





FCC 15.249

InfinID Technologies, Inc. Date: 12/15/2014

V-TAG Lab: B

Model: VT100-2 Tested By: Kenneth Lee

Middle Channel Z-Axis - Horizontal

					Peak /	Ant.	Lable	
Freq.	Level	Pol			QP /	Height	Angle	
(MHz)	(dBuV)	(v/h)	Limit	Margin	Avg	(m)	(deg)	Comments
2445	87.27	Н	114	-26.73	Peak	2.75	160	
2445	67.27	Н	94	-26.73	Avg	2.75	160	
4890	49.78	Н	74	-24.22	Peak	1	0	
4890	29.78	Н	54	-24.22	Avg	1	0	
7335	58.91	Н	74	-15.09	Peak	2	45	
7335	38.91	Н	54	-15.09	Avg	2	45	
9780		Н	74		Peak			No Emissions
9780		Н	54		Avg			Detected
12225		Н	74		Peak			No Emissions
12225		Н	54		Avg			Detected
14670		Н	74		Peak			No Emissions
14670		Н	54		Avg			Detected
17115		Н	74		Peak			No Emissions
17115		Н	54		Avg			Detected
10500								
19560		Н	74		Peak			No Emissions
19560		Н	54		Avg			Detected
00005			7.					
22005		H	74		Peak			No Emissions
22005		Н	54		Avg			Detected
04450			7.1					
24450		H	74		Peak			No Emissions
24450		Н	54		Avg			Detected



Report Number: **B41215D1 FCC Part 15 Subpart B** and **FCC Section 15.249** Test Report *V-TAG*

Model: VT100-2

FCC 15.249

InfinID Technologies, Inc. Date: 12/15/2014

V-TAG Lab: B

Model: VT100-2 Tested By: Kenneth Lee

High Channel X-Axis - Vertical

	_			_	Peak /	Ant.	Lable	
Freq.	Level	Pol			QP /	Height	Angle	
			1.1			_	_	0
(MHz)	(dBuV)	(v/h)	Limit	Margin	Avg	(m)	(deg)	Comments
2480	82.17	V	114	-31.83	Peak	2.75	270	
2480	62.17	V	94	-31.83	Avg	2.75	270	
4960	52.46	V	74	-21.54	Peak	3	350	
4960	32.46	V	54	-21.54	Avg	3	350	
7440	63.07	V	74	-10.93	Peak	2.8	220	
7440	43.07	V	54	-10.93	Avg	2.8	220	
9920		V	74		Peak			No Emissions
9920		V	54		Avg			Detected
12400		V	74		Peak			No Emissions
12400		V	54		Avg			Detected
14880		V	74		Peak			No Emissions
14880		V	54		Avg			Detected
17360		V	74		Peak			No Emissions
17360		V	54		Avg			Detected
					9			
19840		V	74		Peak			No Emissions
19840		V	54		Avg			Detected
					9			233300
22320		V	74		Peak			No Emissions
22320		V	54		Avg			Detected
			J.		9			20100104
24800		V	74		Peak			No Emissions
24800		V	54		Avg			Detected
21000		*			/ wg			Dottotteu





FCC 15.249

InfinID Technologies, Inc. Date: 12/15/2014

V-TAG Lab: B

Model: VT100-2 Tested By: Kenneth Lee

High Channel

X-Axis - Horizontal

					Peak /	Ant.	Lable	
Freq.	Level	Pol			QP/	Height	Angle	
(MHz)	(dBuV)	(v/h)	Limit	Margin	Avg	(m)	(deg)	Comments
2480	85.36	Н	114	-28.64	Peak	1	0	
2480	65.36	Н	94	-28.64	Avg	1	0	
4960	58.4	Н	74	-15.6	Peak	2	100	
4960	38.4	Н	54	-15.6	Avg	2	100	
7440	62.25	Н	74	-11.75	Peak	1	190	
7440	42.25	Н	54	-11.75	Avg	1	190	
			7.					
9920		H	74		Peak			No Emissions
9920		Н	54		Avg			Detected
12400		- 11	74		Dook			No Fraincian
12400		H	74 54		Peak			No Emissions Detected
12400		П	34		Avg			Detected
14880		Н	74		Peak			No Emissions
14880		H	54		Avg			Detected
11000					7.1.9			Dottotteu
17360		Н	74		Peak			No Emissions
17360		Н	54		Avg			Detected
19840		Н	74		Peak			No Emissions
19840		Η	54		Avg			Detected
22320		Н	74		Peak			No Emissions
22320		Н	54		Avg			Detected
24800		Н	74		Peak			No Emissions
24800		Н	54		Avg			Detected





FCC 15.249

InfinID Technologies, Inc. Date: 12/15/2014

V-TAG Lab: B

Model: VT100-2 Tested By: Kenneth Lee

High Channel Y-Axis - Vertical

Freq.	Level	Pol			Peak / QP /	Ant. Height	l able Angle	
(MHz)	(dBuV)	(v/h)	Limit	Margin	Avg	(m)	(deg)	Comments
2480	85.32	V	114	-28.68	Peak	1	180	
2480	65.32	V	94	-28.68	Avg	1	180	
4960	52.06	V	74	-21.94	Peak	1.5	160	
4960	32.06	V	54	-21.94	Avg	1.5	160	
7440	62.04	V	74	-11.96	Peak	2	295	
7440	42.04	V	54	-11.96	Avg	2	295	
9920		V	74		Peak			No Emissions
9920		V	54		Avg			Detected
40400								
12400		V	74		Peak			No Emissions
12400		V	54		Avg			Detected
44000			74					
14880		V	74 54		Peak			No Emissions
14880		V	54		Avg			Detected
47200		1/	74		Dools			No Francisco
17360 17360		V	74 54		Peak			No Emissions
17300		V	54		Avg			Detected
19840		V	74		Peak			No Emissions
19840		V	54		Avg			Detected
13040		V	34		Avy			Detected
22320		V	74		Peak			No Emissions
22320		V	54		Avg			Detected
		-			9			2333332
24800		V	74		Peak			No Emissions
24800		V	54		Avg			Detected



Report Number: **B41215D1 FCC Part 15 Subpart B** and **FCC Section 15.249** Test Report *V-TAG*

Model: VT100-2

FCC 15.249

InfinID Technologies, Inc. Date: 12/15/2014

V-TAG Lab: B

Model: VT100-2 Tested By: Kenneth Lee

High Channel

Y-Axis - Horizontal

Freq.	Level	Pol			Peak / QP /	Ant. Height	l able Angle	
(MHz)	(dBuV)	(v/h)	Limit	Margin	Avg	(m)	(deg)	Comments
2480	78.25	Н	114	-35.75	Peak	1.25	0	
2480	58.25	Н	94	-35.75	Avg	1.25	0	
4960	58.6	Н	74	-15.4	Peak	1.25	10	
4960	38.6	Н	54	-15.4	Avg	1.25	10	
7440	66.86	Н	74	-7.14	Peak	2	350	
7440	46.86	Н	54	-7.14	Avg	2	350	
0000		- 11	74		Deels			N. F
9920		H	74 54		Peak			No Emissions
9920		Н	54		Avg			Detected
12400		Н	74		Peak			No Emissions
12400		H	54		Avg			Detected
12400		- ''	01		Avg			Detected
14880		Н	74		Peak			No Emissions
14880		Н	54		Avg			Detected
17360		Н	74		Peak			No Emissions
17360		Н	54		Avg			Detected
19840		Н	74		Peak			No Emissions
19840		Н	54		Avg			Detected
22320		Н	74		Peak			No Emissions
22320		Н	54		Avg			Detected
0.4000			7.4					
24800		H	74		Peak			No Emissions
24800		Н	54		Avg			Detected





FCC 15.249

InfinID Technologies, Inc. Date: 12/15/2014

V-TAG Lab: B

Model: VT100-2 Tested By: Kenneth Lee

High Channel Z-Axis - Vertical

					Peak /	Ant.	Lable	
Freq.	Level	Pol			QP /	Height	Angle	
			11			_	_	0
(MHz)	(dBuV)	(v/h)	Limit	Margin	Avg	(m)	(deg)	Comments
2480	78.72	V	114	-35.28	Peak	1	10	
2480	58.72	V	94	-35.28	Avg	1	10	
4960	60.76	V	74	-13.24	Peak	1	45	
4960	40.76	٧	54	-13.24	Avg	1	45	
7440	62.79	٧	74	-11.21	Peak	1.1	330	
7440	42.79	٧	54	-11.21	Avg	1.1	330	
9920		V	74		Peak			No Emissions
9920		V	54		Avg			Detected
12400		V	74		Peak			No Emissions
12400		V	54		Avg			Detected
14880		V	74		Peak			No Emissions
14880		V	54		Avg			Detected
17360		V	74		Peak			No Emissions
17360		V	54		Avg			Detected
					,			
19840		V	74		Peak			No Emissions
19840		V	54		Avg			Detected
					,			
22320		V	74		Peak			No Emissions
22320		V	54		Avg			Detected
24800		V	74		Peak			No Emissions
24800		V	54		Avg			Detected
1.000		•			9			20100104





FCC 15.249

InfinID Technologies, Inc. Date: 12/15/2014

V-TAG Lab: B

Model: VT100-2 Tested By: Kenneth Lee

High Channel Z-Axis - Horizontal

					Peak /	Ant.	Labla	
Freq.	Level	Pol			QP /		l able	
				l.,		Height	Angle	0
(MHz)	(dBuV)	(v/h)	Limit	Margin	Avg	(m)	(deg)	Comments
2480	87.98	Н	114	-26.02	Peak	1.25	190	
2480	67.98	Η	94	-26.02	Avg	1.25	190	
4960	53.28	Н	74	-20.72	Peak	1	45	
4960	33.28	Н	54	-20.72	Avg	1	45	
7440	64.92	Н	74	-9.08	Peak	2	340	
7440	44.92	Н	54	-9.08	Avg	2	340	
9920		Н	74		Peak			No Emissions
9920		Н	54		Avg			Detected
12400		Н	74		Peak			No Emissions
12400		Н	54		Avg			Detected
14880		Н	74		Peak			No Emissions
14880		Н	54		Avg			Detected
17360		Н	74		Peak			No Emissions
17360		Н	54		Avg			Detected
19840		Н	74		Peak			No Emissions
19840		Н	54		Avg			Detected
22320		Н	74		Peak			No Emissions
22320		Н	54		Avg			Detected
24800		Н	74		Peak			No Emissions
24800		H	54		Avg			Detected
21000			0.		7119			Dottottu





FCC 15.249

InfinID Technologies, Inc. Date: 12/15/2014

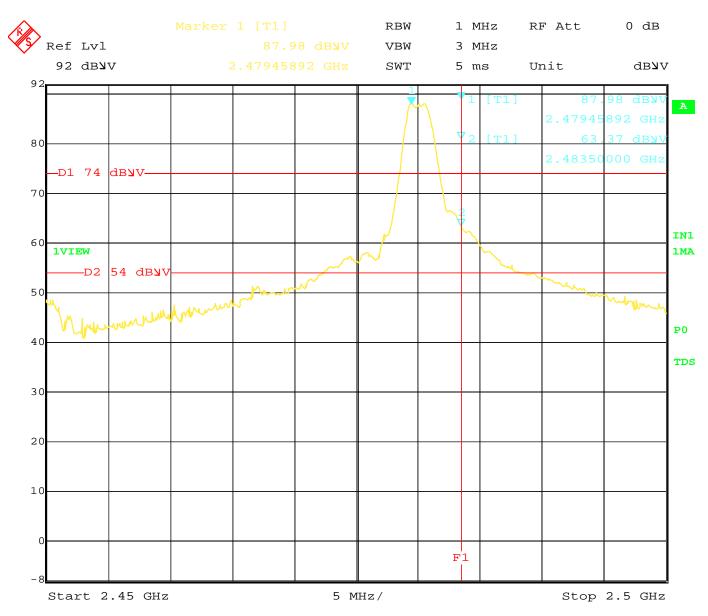
V-TAG Lab: B

Tested By: Kenneth Lee Model: VT100-2

Band Edges

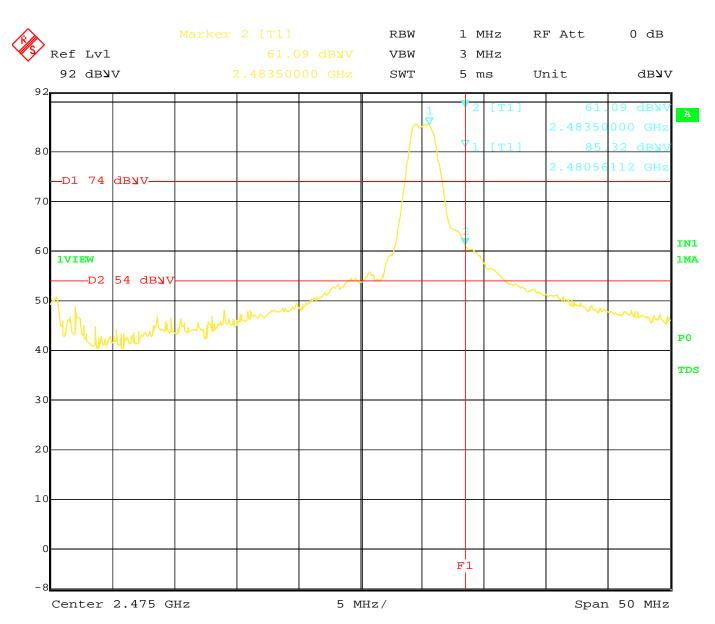
					Peak /	Ant.	Lable	
Freq.	Level	Pol			QP /	Height	Angle	
(MHz)	(dBuV)	(v/h)	Limit	Margin	Avg	(m)	(deg)	Comments
2405	86.58	Н	114	-27.42	Peak	1.25	190	Fundamental
2405	66.58	Н	94	-27.42	Avg	1.25	190	of Low Channel
2400	55.16	Н	74	-18.84	Peak	1.25	190	Band Edge of Low Channel
2400	35.16	Н	54	-18.84	Avg	1.25	190	Z-Axis Worst Case
2480	87.98	Н	114	-26.02	Peak	1.25	190	Fundamental of
2480	67.98	Н	94	-26.02	Avg	1.25	190	High Channel
2483.5	63.37	Н	74	-10.63	Peak	1.25	190	Band Edge of HighChannel
2483.5	43.37	Н	54	-10.63	Avg	1.25	190	Z-Axis Worst Case
2405	85.68	V	114	-28.32	Peak	1	170	Fundamental
2405	65.68	V	94	-28.32	Avg	1	170	of Low Channel
2400	54.81	V	74	-19.19	Peak	1	170	Band Edge of Low Channel
2400	34.81	V	54	-19.19	Avg	1	170	Y-Axis Worst Case
0400	05.00		444	00.00			400	
2480	85.32	V	114	-28.68	Peak	1	180	Fundamental of
2480	65.32	V	94	-28.68	Avg	1	180	High Channel
2483.5	61.09	V	74	42.04	Peak	4	400	Dead Edea of Uliab Observat
		V		-12.91		1	180	Band Edge of High Channel
2483.5	41.09	V	54	-12.91	Avg	1	180	Y-Axis Worst Case





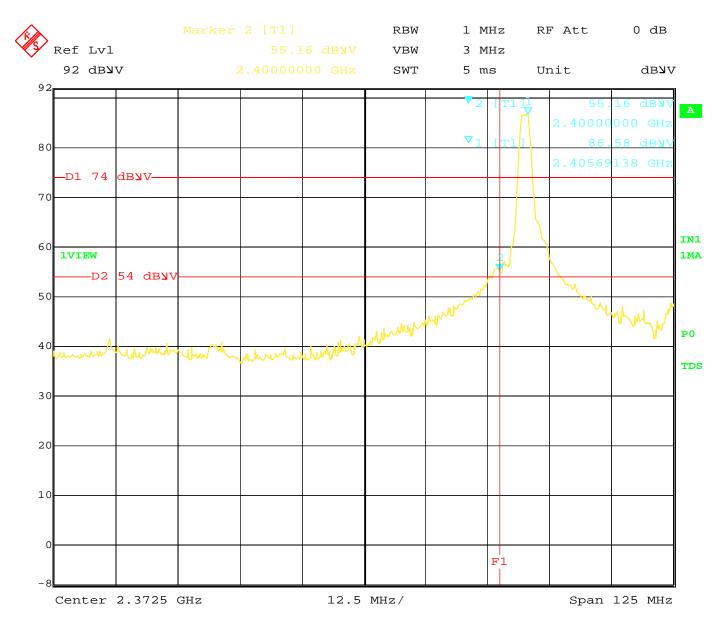
Date: 15.DEC.2014 11:54:27

Band Edge - Horizontal Polarization - High Ch - Z-Axis - Worst Case



Date: 15.DEC.2014 11:49:17

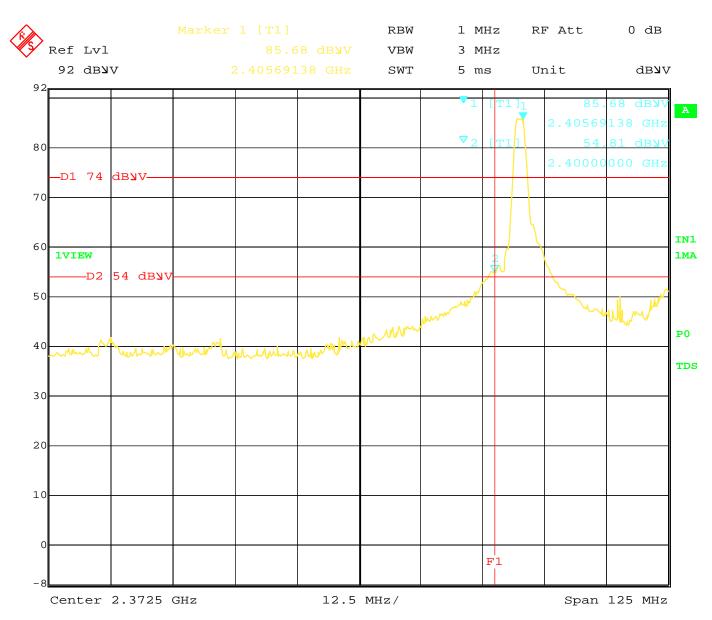
Band Edge - Vertical Polarization - High Ch - Y-Axis - Worst Case



Date: 15.DEC.2014 11:33:06

Band Edge - Horizontal Polarization - Low Ch - Z-Axis - Worst Case





Date: 15.DEC.2014 11:40:07

Band Edge - Vertical Polarization - Low Ch - Y-Axis - Worst Case



FCC 15.249 and FCC Class B

InfinID Technologies, Inc. Date: 12/15/2014

V-TAG Lab: B

Model: VT100-2 Tested By: Kenneth Lee

Digital Portion and Non-Harmonic Emissions of the Transmitter Vertical and Horizontal Polarizations

Freq.	Level	Pol			Peak / QP /	Ant. Height	l able Angle	
(MHz)	(dBuV)	(v/h)	Limit	Margin	Avg	(m)	(deg)	Comments
								No Emissions Detected
								from 10 kHz to 30 MHz
								for the Digital Portion
								for both the Vertical and
								Horizontal Polarizations.
								No Emissions Detected
								from 10 kHz to 30 MHz
								for the Non-Harmonic
								Emissions from the Tx for the
								EUT for both the Vertical and
								Horizontal Polarizations.
								No Emissions Detected
								from 1 GHz to 25 GHz
								for the Digital Portion
								for both the Vertical and
								Horizontal Polarizations.
								No Emissions Detected
								from 1 GHz to 25 GHz
								for the Non-Harmonic
								Emissions from the Tx for the
								EUT for both the Vertical and
								Horizontal Polarizations.
								Investigated in the
								X, Y, and Z-Axis