Produkte Products

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Test Report No.:

Auftraggeber:

Zen Factory Group (ASIA) Limited

Client:

House 23, Hibiscus Path, Westwood, Palm Springs, Yuen Long, NT, Hong Kong

Gegenstand der Prüfung: Rocketfish Wireless Headset Receiver

Test item:

Bezeichnung: Identification:

RF-GUV1202

Serien-Nr.: Serial No.:

n.a.

Wareneingangs-Nr.:

163083494

Eingangsdatum:

2011-09-01

Date of receipt:

Prüfort: Testing location:

Receipt No.:

Accurate Technology Co. Ltd.

F1, Bldg. A, Changyuan New Material Port, Keyuan Rd., Science & Industry Park,

Nanshan District, Shenzhen 518057, China

FCC Registration No.: 752051

Industry Canada Test Site No.: 5077A-2

Prüfgrundlage: Test specification: FCC CFR47 Part 15: Subpart C Section 15.249 FCC CFR47 Part 15: Subpart C Section 15.209

RSS-210 Issue 8 December 2010 RSS-Gen Issue 3 December 2010 RSS-102 Issue 4 March 2010

Prüfergebnis: Test Result:

Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n).

The test item passed the test specification(s).

Prüflaboratorium: Testing Laboratory: TÜV Rheinland (Shenzhen) Co., Ltd.

geprüft/ tested by:

kontrolliert/ reviewed by:

2011-10-09

Sam Lin/ Project Manager

2011-10- {0

Shawn Peng/ Manager

Datum Date

Name/Stellung Name/Position

Unterschrift Signature

Datum Date

Name/Stellung Name/Position

Unterschrift Signature

www

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Sonstiges/ Other Aspects:

Abbreviations: entspricht Prüfgrundlage Abkürzungen: P(ass) entspricht nicht Prüfgrundlage F(ail) nicht anwendbar NIA nicht aetestet

P(ass) passed F(ail) . failed

ŇΑ not applicable

Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.

This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

TÜV Rheinland LGA Products GmbH · Tillystraße 2 · D - 90431 Nürnberg · Tel.: +49 911 655 5225 · Fax: +49 911 655 5226 Mail; service@de.tuv.com · Web: www.tuv.com Rev.: 1.2 2009-12-29 / approved: M.Jungnitsch



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TEST SUMMARY

5.1.1 FIELD STRENGTH OF FUNDAMENTAL AND HARMONICS

RESULT: Passed

5.1.2 RADIATED EMISSIONS

RESULT: Passed

5.1.3 99% BANDWIDTH

RESULT: Passed

5.1.4 BAND EDGE

RESULT: Passed

6.1.1 ELECTROMAGNETIC FIELDS

RESULT: Passed

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1. General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix 1: Test Results

2. Test Sites

2.1 Test Facilities

Accurate Technology Co. Ltd.

F1, Bldg. A, Changyuan New Material Port, Keyuan Rd., Science & Industry Park, Nanshan District, Shenzhen 518057, China

FCC Registration No.: 752051

Industry Canada Test site No.: 5077A-2

The tests at the test site have been conducted under the supervision of a TÜV engineer.



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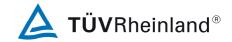
2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Kind of Equipment	Manutacturer		S/N	Calibrated until						
Radiated emissions										
EMI Test Receiver	Rohde & Schwarz	ESPI3	101526/003	2012-01-08						
Spectrum Analyzer	Agilent	E7405A	MY45115511	2012-01-08						
Pre-Amplifier	Rohde & Schwarz	CBLU1183540- 01	3791	2012-01-08						
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2012-01-08						
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2012-01-08						
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2012-01-08						
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	2012-01-08						

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.



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2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basics using in house standards or comparisons.

2.5 Measurement Uncertainty

For a 95% confidence level, the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO/IEC 17025 are:

Table 2: Measurement Uncertainty

	Extended Uncertainty	
CE	Disturbance Voltage (dBuV)	U=2.23dB, k=2, σ=95%
RE (9kHz-30MHz)	Field strength (dBuV/m)	U=3.08dB, k=2, σ=95%
RE (30-1000MHz)	Field strength (dBuV/m)	U=4.42dB, k=2, σ=95%
RE (above 1000MHz)	Field strength (dBuV/m)	U=4.06dB, k=2, σ=95%

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached in this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The Accurate Technology Co. Ltd. facility located at F1, Bldg. A, Changyuan New Material Port, Keyuan Rd., Science & Industry Park, Nanshan District, Shenzhen 518057, China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

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3. General Product Information

3.1 Product Function and Intended Use

The EUT is a wireless receiver used together with PlayStation[®]3, Xbox 360[®], Stereo audio devices and personal computer for domestic use. It contains two antennas, but only one antenna is used for transmitting at one time. It is receive audio signal from transmitter via 2.4GHz radio frequency.

For more information refer to the Instruction Manual.

3.2 Ratings and System Details

Table 3: Information of EUT

Kind of Equipment:	Rocketfish Wireless Headset Receiver
Type Designation:	RF-GUV1202
FCC ID	WP8-UV0WH5Y06018Z
IC:	8632A-UV0WH5Y0

Table 4: Technical Specification of EUT

Technical Specification	Value
Operating Frequency	2403-2477 MHz
Operation Voltage	DC 4.5V (via ALKALINE battery)
Modulation	GFSK
RF Output Power	0.19mW (-7.11dBm)
Antenna Type	Internal Antenna, Non-User Replaceable
Antenna Gain	2.61dBi
Number of Antenna	2
Number of Channels	75
Channel Separation (MHz)	1MHz



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rest Neport No.

3.3 Independent Operation Modes

The basic operation modes are:

- A. Transmitting
 - 1. Low channel
 - 2. Middle channel
 - 3. High channel
- B. Receiving
 - 1. Low channel
 - 2. Middle channel
 - 3. High channel
- C. Standby
- D. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- Bill of Material
- PCB Layout
- Photo Document
- Technical Description

- Circuit Diagram
- Instruction Manual
- Rating Label

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4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.4:2009.

Table 5: List of Test Channel

Channel	Frequency (MHz)							
Low	2403							
Middle	2440							
High	2477							

4.3 Special Accessories and Auxiliary Equipment

None.

4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.



Products

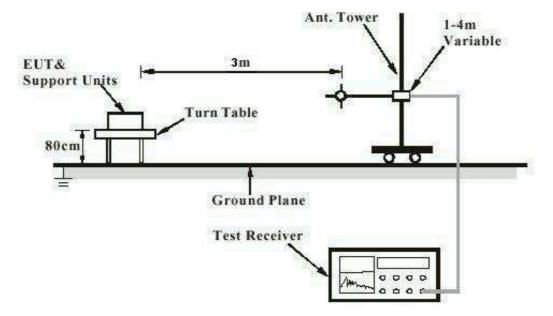
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4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test





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5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Field strength of fundamental and harmonics

RESULT: Passed

Test date : 2011-10-01 to 2011-10-02

Test standard : FCC Part 15.249(a)

Clause A2.9 of RSS-210

Basic standard : ANSI C63.4:2009 and RSS-Gen Issue 3

Limit : FCC Part 15.249(a)

Clause A2.9(a) of RSS-210

Kind of test site : 3m Semi-Anechoic Chamber

Test setup

Refer to following tables for details.



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Table 6: Test results of Field strength of fundamental and harmonics

		Field Str	ength of Fund	amental of A	NT 1						
Frequency (MHz)	Reading Leve	el (dBuV/m)	Limit (d	BuV/m)	Antenna	.,					
(IVIITZ)	Average Peak		Average Peak		Polarization	Verdict					
0.400	87.50	89.79	94	114	Horizontal	Pass					
2403	88.40	90.32	94	114	Vertical	Pass					
2440	85.80	87.91	94	114	Horizontal	Pass					
2440	88.60	90.73	94	114	Vertical	Pass					
2477	79.90	82.33	94	114	Horizontal	Pass					
2477	84.50	86.75	94	114	Vertical	Pass					
-		Field Str	ength of Fund	amental of A	NT 2						
Frequency (MHz)	Reading Leve	el (dBuV/m)	Limit (d	BuV/m)	Antenna	\					
(1411 12)	Average	Peak	Average	Peak	Polarization	Verdict					
2403	78.00	80.11	94	114	Horizontal	Pass					
2403	75.00	77.05	94	114	Vertical	Pass					
2440	80.70	82.70	94	114	Horizontal	Pass					
2440	77.30	79.20	94	114	Vertical	Pass					
2477	77.70	79.70	94	114	Horizontal	Pass					
2411	77.20	79.02	94	114	Vertical	Pass					
-	Field Strength of Harmonics of ANT 1										
Frequency (MHz)	Reading Leve	el (dBuV/m)	Limit (d	BuV/m)	Antenna	Verdict					
, ,	Average	Peak	Average	Peak	Polarization	Verdict					
4806	50.20	51.97	54	74	Horizontal	Pass					
4000	51.00	52.79	54	74	Vertical	Pass					
4880	51.40	52.21	54	74	Horizontal	Pass					
4000	51.67	53.16	54	74	Vertical	Pass					
4954	50.40	52.23	54	74	Horizontal	Pass					
4954	50.80	52.49	54	74	Vertical	Pass					
_		Field St	trength of Har	monics of AN	IT 2						
Frequency (MHz)	Reading Leve	el (dBuV/m)	Limit (d	BuV/m)	Antenna	Verdict					
,	Average	Peak	Average	Peak	Polarization	verdict					
4806	37.80	40.62	54	74	Horizontal	Pass					
4000	39.00	41.95	54	74	Vertical	Pass					
4880	48.10	50.61	54	74	Horizontal	Pass					
4000	47.60	49.75	54	74	Vertical	Pass					
4954	49.40	51.59	54	74	Horizontal	Pass					
4904	48.10	50.30	54	74	Vertical	Pass					



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5.1.2 Radiated Emissions

RESULT: Passed

Test date : 2011-10-01 to 2011-10-03 Test standard : FCC Part 15.249(a) & (d), (e)

Clause A2.9 of RSS-210

Basic standard : ANSI C63.4:2009 and RSS-Gen Issue 3 Limit : FCC Part 15.249(a) & FCC Part 15.209 (a)

Clause A2.9(a) & (b) of RSS-210

Kind of test site : 3m Semi-Anechoic Chamber

Test setup

During the pretest the EUT was rotated through threee orthogonal axes to determine the attitude that maximizes the emissions. After that the EUT was manually handled to find the orientation that has the maximum emission, which is the orientation shown in the test setup photos.

The range from 9 kHz to 26 GHz was investigated and carried out on all operation modes, except for the range shown in the attached appendix no emissions were found. Refer to attached Appendix 1 for details.



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5.1.3 99% Bandwidth

RESULT: Passed

Date of testing 2011-09-22

Test standard RSS-Gen clause 4.6.1 Basic standard Kind of test site RSS-Gen Issue 3 Shielded room

Test setup

Test Channel Low/ Middle/ High

Operation Mode Ambient temperature **23**℃ Relative humidity 53% Atmospheric pressure : 101.0 kPa

Table 7: Test results of 99% Bandwidth

Channel	Channel Frequency (MHz)	99% Bandwidth (MHz)	Limit (MHz)	Remark
Low Channel	2403	0.624	/	ANT 1
Mid Channel	2440	0.642	/	ANT 1
High Channel	2477	0.726	/	ANT 1
Low Channel	2403	0.630	/	ANT 2
Mid Channel	2440	0.648	/	ANT 2
High Channel	2477	0.726	/	ANT 2



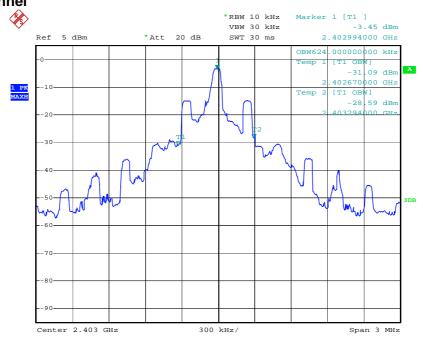
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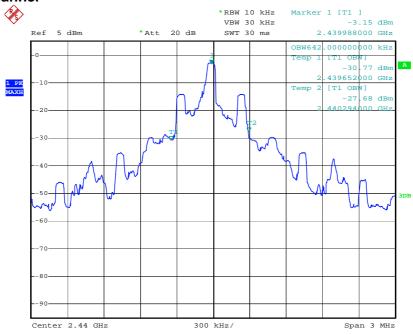
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Test Plots of 99% Bandwidth Antenna 1 **Low Channel**



Date: 22.SEP.2011 14:00:35

Middle Channel



Date: 22.SEP.2011 14:02:13

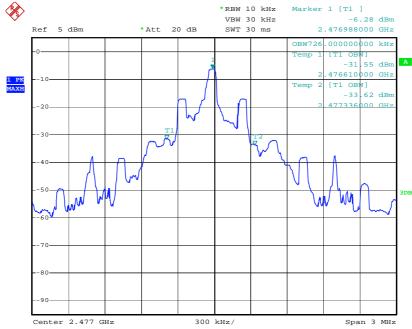


Products

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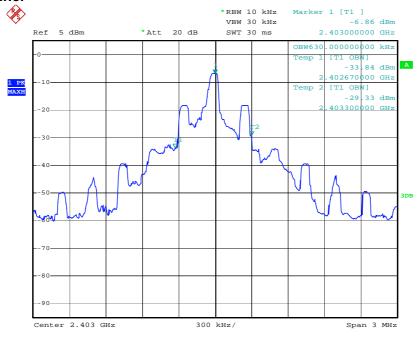
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High Channel



Date: 22.SEP.2011 14:04:39

Antenna 2 Low Channel



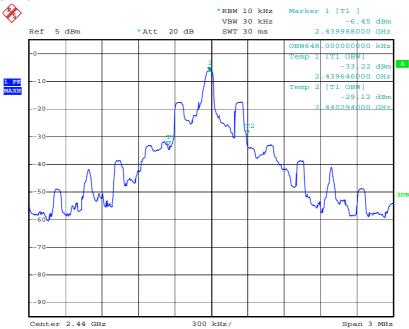
Date: 22.SEP.2011 14:06:52



Products

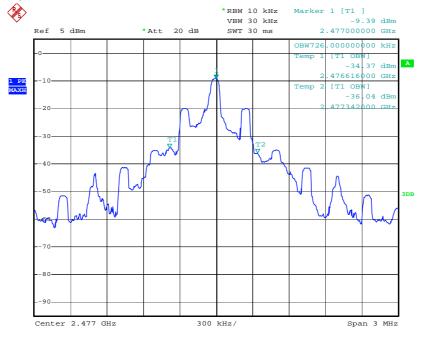


Middle Channel



Date: 22.SEP.2011 14:08:47

High Channel



Date: 22.SEP.2011 14:11:36



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5.1.4 Band Edge

RESULT: Passed

Date of testing 2011-10-01

Test standard FCC part 15.249(d)

RSS-210 A2.9(b)

ANSI C63.4:2009 and RSS-Gen Issue 3 Basic standard

Limit FCC part 15.249(d) RSS-210 A2.9(b)

Kind of test site 3m Semi-Anechoic Chamber

Test setup

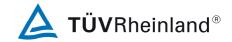
Test Channel Low/ High

Operation mode Ambient temperature **24**°C Relative humidity 48% Atmospheric pressure 101 kPa

Table 8: Test results of Band Edge

	Field Strength of Band Edge of ANT 1									
Frequency (MHz)	Reading Lev	vel (dBuV/m)	Limit (d	BuV/m)	Antenna	Verdict				
(1411 12)	Average	Peak	Average	Peak	Polarization					
2390	29.10	44.10	54	74	Horizontal	Pass				
2390	29.20	47.60	54	74	Vertical	Pass				
2483.5	28.70	43.10	54	74	Horizontal	Pass				
2463.5	29.80	49.10	54	74	Vertical	Pass				
_	Field Strength of Band Edge of ANT 2									
Frequency (MHz)	Reading Lev	vel (dBuV/m)	Limit (d	BuV/m)	Antenna	Verdict				
(1411 12)	Average	Peak	Average	Peak	Polarization	Verdict				
2390	28.90	43.90	54	74	Horizontal	Pass				
2390	28.80	44.40	54	74	Vertical	Pass				
2483.5	28.60	44.90	54	74	Horizontal	Pass				
2403.5	28.70	46.90	54	74	Vertical	Pass				

Refer to attached Appendix 1 for details.



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6. Safety Human exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT: Passed

Since maximum peak output power of the transmitter is $<60/f_{(GHz)}mW$, i.e. 0.19mW<25(=60/2.4)mW, hence the EUT is exclueded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile Portable RF Exposure.

The measured peak output power of the transmitter is only 0.19mW. According to RSS-102 Issue 4 March 2010 clause 2.5, from 2.2 GHz up to 3 GHz inclusively and if the output power (i.e. the higher of the conducted or effective isotropic radiated power (e.i.r.p.) source-based time-averaged output power) is less than, or equal to 20 mW for General Public Use and 100 mW for Controlled Use, then the transmitters are exempt from routine SAR and RF exposure evaluations, therefore the EUT is deemed to fulfill the requirement without additional test.

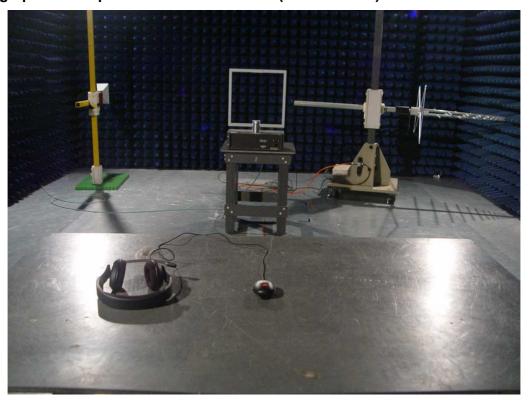


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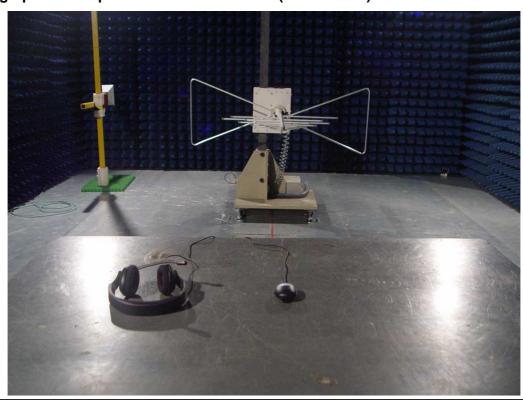
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7. Photographs of the Test Set-Up

Photograph 1: Set-up for Radiated Emissions (below 30MHz)



Photograph 2: Set-up for Radiated Emissions (below 1GHz)





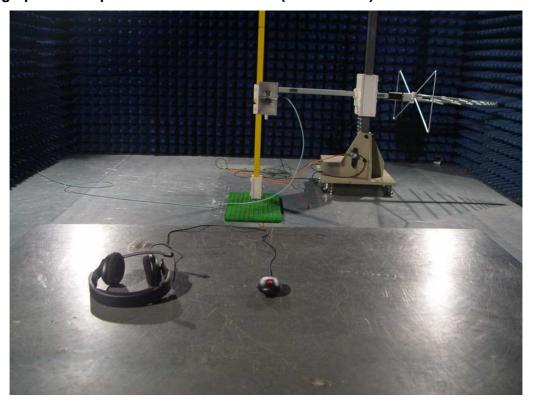
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Photograph 3: Set-up for Radiated Emissions (above 1GHz)





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Test plots of Radiated Emissions, operation mode A Antenna 1



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Job No.: pei #6229 Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test Temp.(C)/Hum.(%) 24 C / 48 %

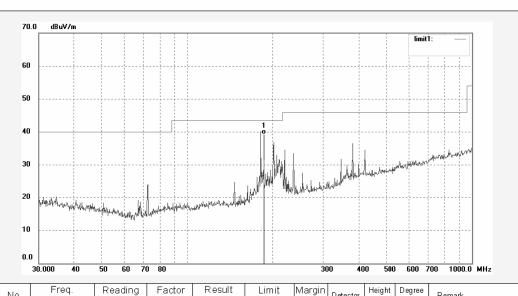
EUT: Rocketfish Wireless Headset Receiver

Mode: A.1

Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 1







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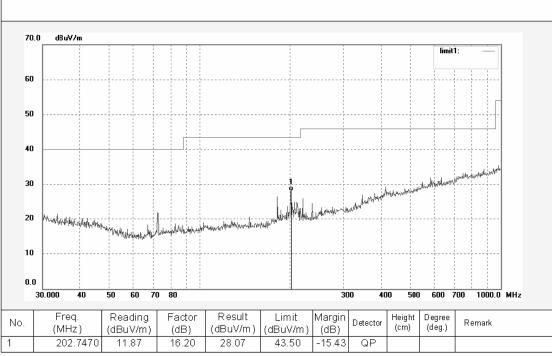
Job No.: pei #6230 Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

Model: A.1 Model: RF-GUV1202 Manufacturer: ZEN





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Job No.: pei #6233 Standard: FCC Class 15C 3M Radiated

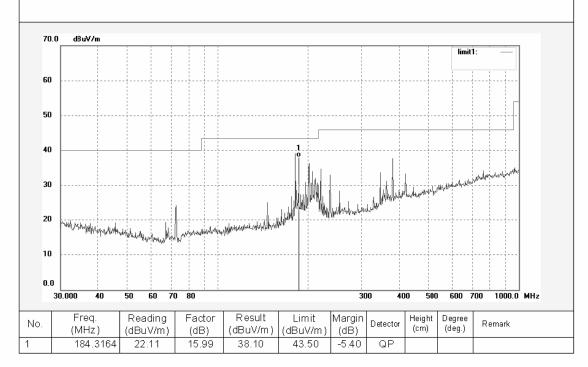
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

Mode: A.2 Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 1







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Job No.: pei #6234 Standard: FCC Class 15C 3M Radiated

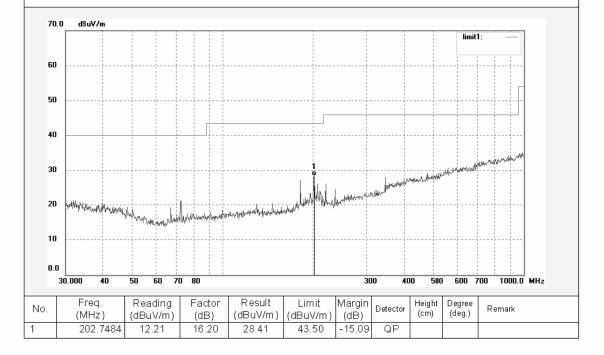
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

Mode: A.2 Model: RF-GU

Model: RF-GUV1202 Manufacturer: ZEN







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Polarization: Horizontal

Power Source: DC 4.5V

Engineer Signature: PEI

Date: 2011/10/02

Time: 14:36:34

Distance: 3m

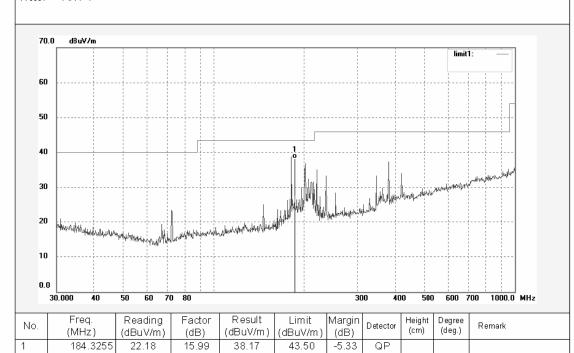
Job No.: pei #6237 Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

Mode: A.3

Model: RF-GUV1202 Manufacturer: ZEN



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Polarization: Vertical

Date: 2011/10/02

Time: 14:42:13

Distance: 3m

Power Source: DC 4.5V

Engineer Signature: PEI

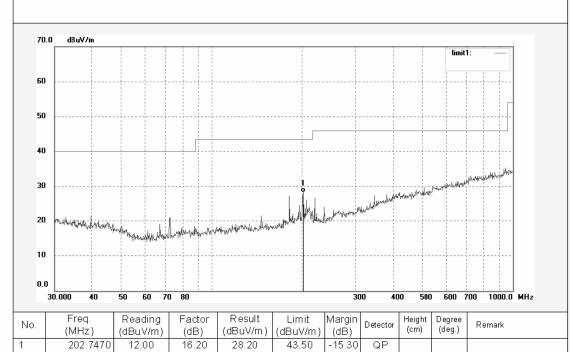
Job No.: pei #6238 Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

Model: A.3

Model: RF-GUV1202 Manufacturer: ZEN



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Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

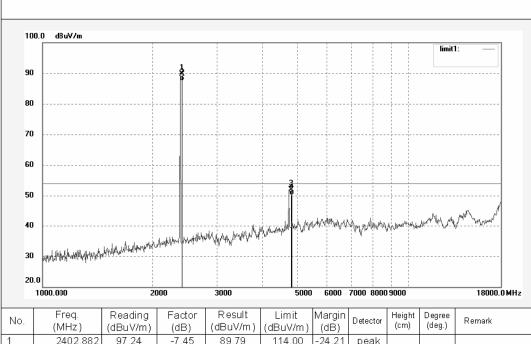
Mode: A.1

Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 1



Engineer Signature: PEI Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.882	97.24	-7.45	89.79	114.00	-24.21	peak			
2	2402.882	94.95	-7.45	87.50	94.00	-6.50	AVG			
3	4805.835	52.25	-0.28	51.97	74.00	-22.03	peak			
4	4805.835	50.48	-0.28	50.20	54.00	-3.80	AVG			

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Site: 966 chamber d, Tel:+86-0755-26503290 hina Fax:+86-0755-26503396

Job No.: pei #6154 Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

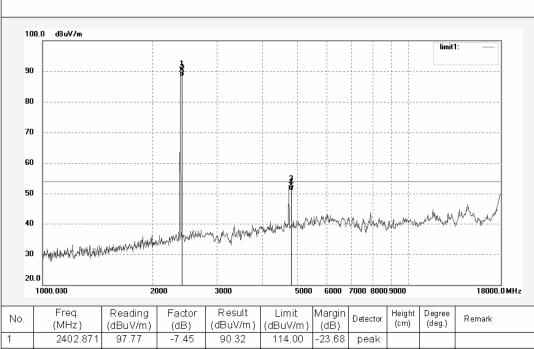
EUT: Rocketfish Wireless Headset Receiver

Mode: A.1

Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 1





No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.871	97.77	-7.45	90.32	114.00	-23.68	peak			
2	2402.871	95.85	-7.45	88.40	94.00	-5.60	AVG			
3	4805.952	53.07	-0.28	52.79	74.00	-21.21	peak			
4	4805.952	51.28	-0.28	51.00	54.00	-3.00	AVG			

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Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

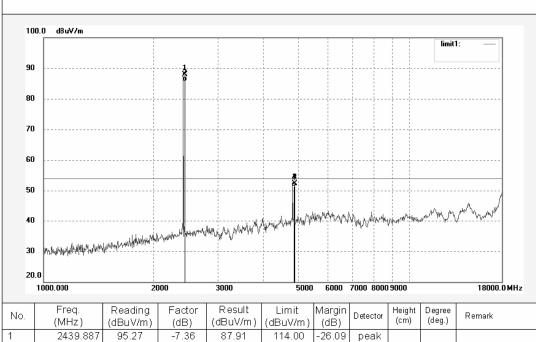
EUT: Rocketfish Wireless Headset Receiver

Mode: A.2

Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 1





No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2439.887	95.27	-7.36	87.91	114.00	-26.09	peak			
2	2439.887	93.16	-7.36	85.80	94.00	-8.20	AVG			
3	4880.201	52.08	0.13	52.21	74.00	-21.79	peak			
4	4880.201	51.27	0.13	51.40	54.00	-2.60	AVG			



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(ATC)

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Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

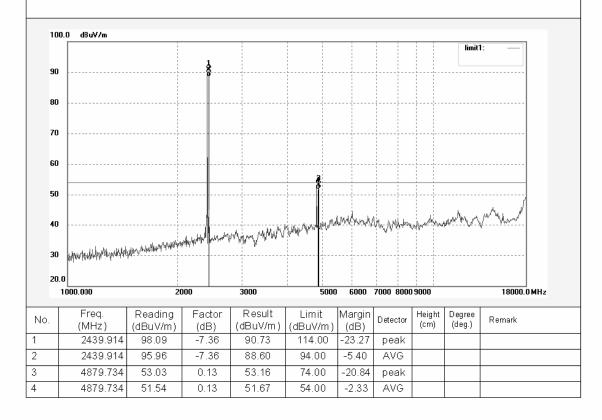
Mode: A.2

Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 1



Engineer Signature: PEI



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Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

Mode: A.3

Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 1

3

4

4954.079

4954.079

51.75

49.92

0.48

0.48

52.23

50.40

74.00

54.00

-21.77

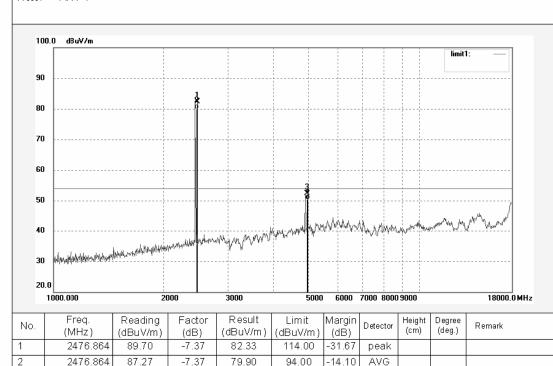
-3.60

peak

AVG



Engineer Signature: PEI Distance: 3m





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Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

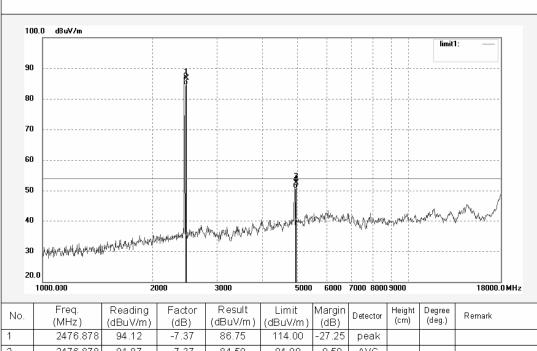
EUT: Rocketfish Wireless Headset Receiver

Mode: A.3

Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 1





	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
	1	2476.878	94.12	-7.37	86.75	114.00	-27.25	peak			
ĺ	2	2476.878	91.87	-7.37	84.50	94.00	-9.50	AVG			
	3	4953.761	52.01	0.48	52.49	74.00	-21.51	peak			
	4	4953.761	50.32	0.48	50.80	54.00	-3.20	AVG			

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Date: 2011/10/03

Engineer Signature: PEI

Time: 12:45:41

Distance: 3m

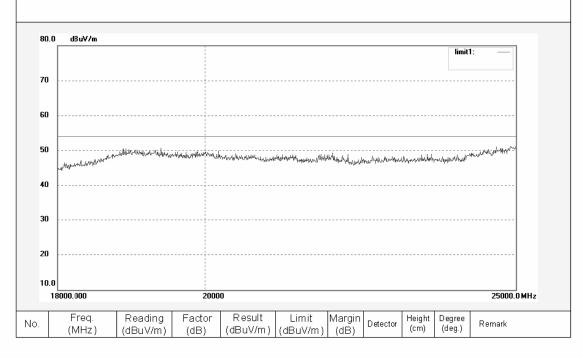
Job No.:pei #6341Polarization:HorizontalStandard:FCC Class 15C 3M RadiatedPower Source:DC 4.5V

Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

Mode: A.1

Model: RF-GUV1202 Manufacturer: ZEN



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Polarization: Vertical

Date: 2011/10/03

Time: 12:50:02

Distance: 3m

Power Source: DC 4.5V

Engineer Signature: PEI

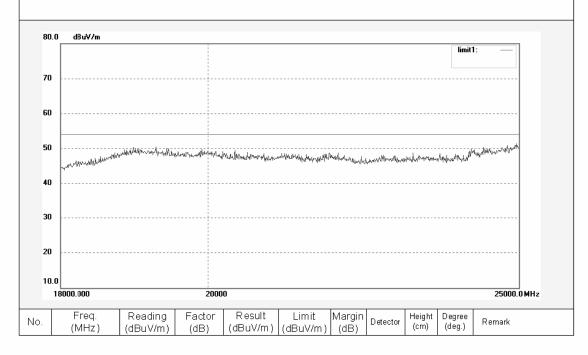
Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

Mode: A.1

Model: RF-GUV1202 Manufacturer: ZEN



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Polarization: Horizontal

Power Source: DC 4.5V

Engineer Signature: PEI

Date: 2011/10/03

Time: 13:06:52

Distance: 3m

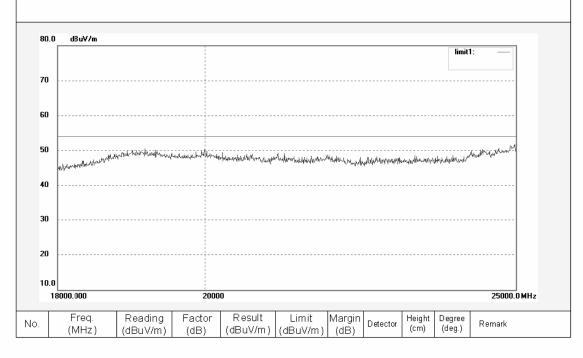
Job No.: pei #6345 Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

Mode: A.2

Model: RF-GUV1202 Manufacturer: ZEN



E

Polarization: Vertical

Date: 2011/10/03

Time: 13:12:15

Distance: 3m

Power Source: DC 4.5V

Engineer Signature: PEI

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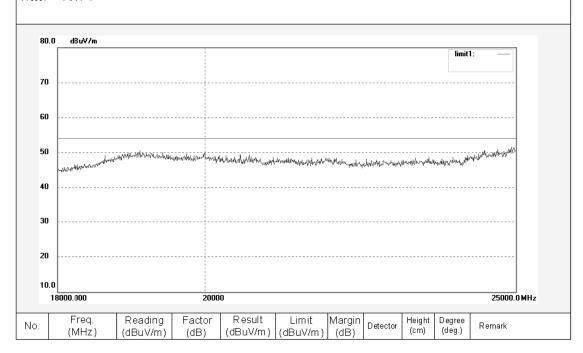
Job No.: pei #6346 Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

Mode: A.2

Model: RF-GUV1202 Manufacturer: ZEN



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Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

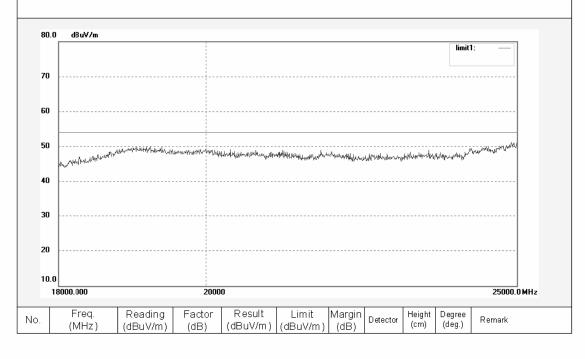
Job No.:pei #6349Polarization:HorizontalStandard:FCC Class 15C 3M RadiatedPower Source:DC 4.5V

Test item: Radiation Test Date: 2011/10/03
Temp.(C)/Hum.(%) 24 C / 48 % Time: 13:29:26

EUT: Rocketfish Wireless Headset Receiver Engineer Signature: PEI

Mode: A.3 Distance: 3m

Model: RF-GUV1202 Manufacturer: ZEN



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Polarization: Vertical

Date: 2011/10/03

Time: 13:34:44

Distance: 3m

Power Source: DC 4.5V

Engineer Signature: PEI



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Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

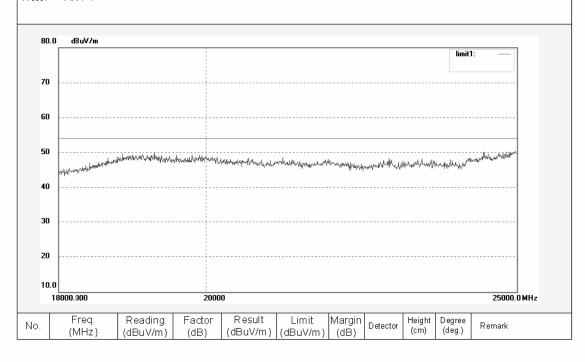
Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test Temp.(C)/Hum.(%) 24 C/48%

EUT: Rocketfish Wireless Headset Receiver

Mode: A.3

RF-GUV1202 Model: Manufacturer: ZEN





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Antenna 2



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Job No.: pei #6231 Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

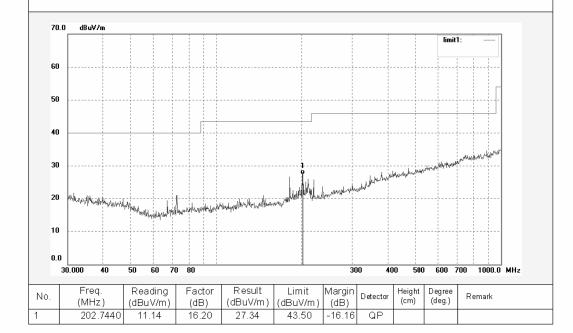
Mode: A.1

Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 2

Polarization: Vertical Power Source: DC 4.5V Date: 2011/10/02 Time: 14:01:18

Engineer Signature: PEI



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Polarization: Horizontal

Power Source: DC 4.5V

Engineer Signature: PEI

Date: 2011/10/02

Time: 14:07:51

Distance: 3m

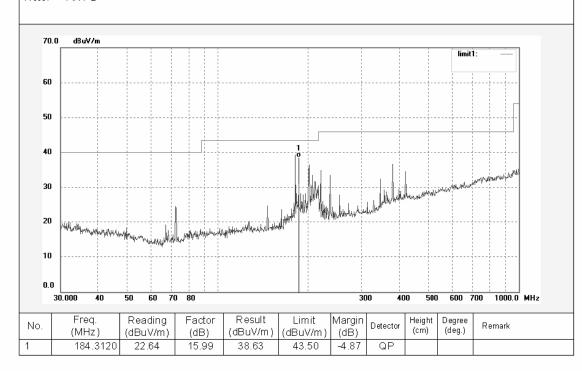
Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

Mode: A.1

Model: RF-GUV1202 Manufacturer: ZEN



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Polarization: Vertical

Date: 2011/10/02

Time: 14:25:13

Distance: 3m

Power Source: DC 4.5V

Engineer Signature: PEI

Job No.: pei #6235 Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

Model: A.2

Model: RF-GUV1202 Manufacturer: ZEN

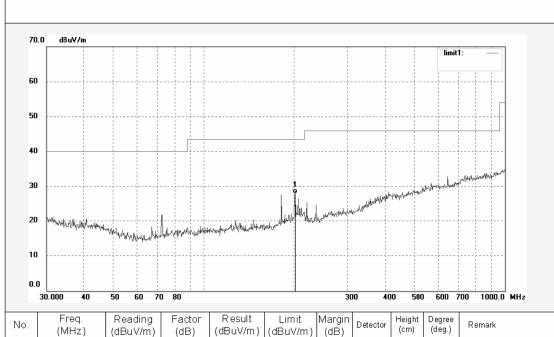
202.7499

11.77

16.20

27.97

Note: ANT 2



43.50

-15.53

QΡ

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Standard: FCC Class 15C 3M Radiated

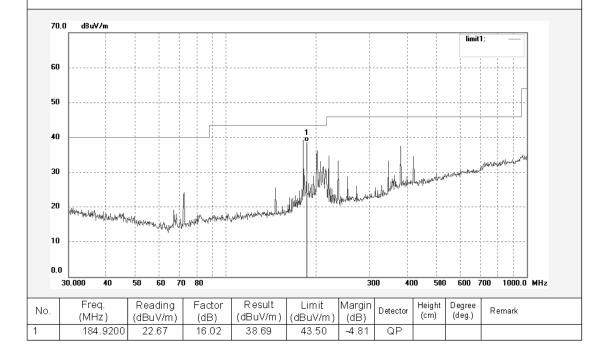
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

Mode: A.2

Model: RF-GUV1202 Manufacturer: ZEN







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Polarization: Vertical

Date: 2011/10/02

Time: 14:46:31

Distance: 3m

Power Source: DC 4.5V

Engineer Signature: PEI

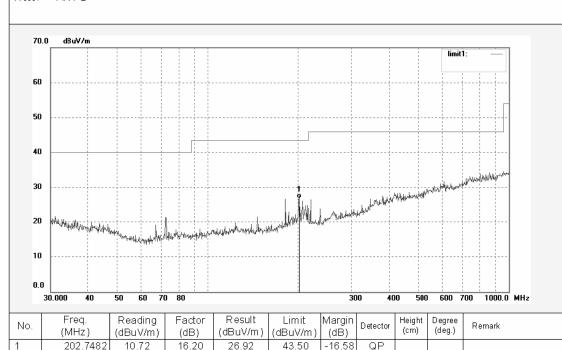
Job No.: pei #6239 Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

Mode: A.3

Model: RF-GUV1202 Manufacturer: ZEN



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Polarization: Horizontal

Power Source: DC 4.5V

Engineer Signature: PEI

Date: 2011/10/02

Time: 14:50:18

Distance: 3m

Job No.: pei #6240 Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

Mode: A.3

Model: RF-GUV1202 Manufacturer: ZEN

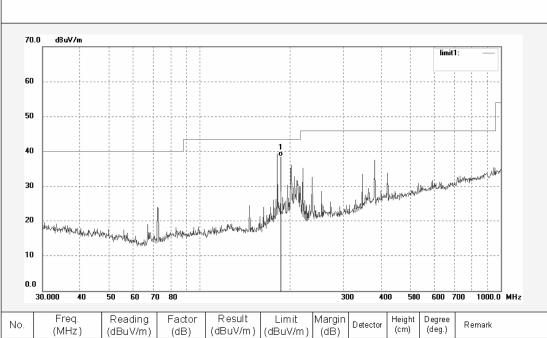
184.3068

22.52

15.99

38.51

Note: ANT 2



43.50

-4.99

QΡ



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Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

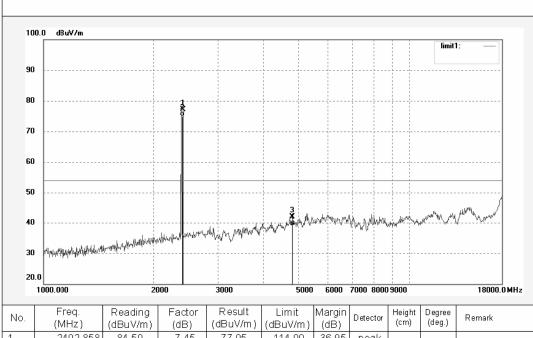
EUT: Rocketfish Wireless Headset Receiver

Mode: A.1

Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 2





	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
Ì	1	2402.858	84.50	-7.45	77.05	114.00	-36.95	peak			
ĺ	2	2402.858	82.45	-7.45	75.00	94.00	-19.00	AVG			
ĺ	3	4806.199	42.23	-0.28	41.95	74.00	-32.05	peak			
	4	4806.199	39.28	-0.28	39.00	54.00	-15.00	AVG			

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Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test Temp.(C)/Hum.(%) 24 C/48 %

EUT: Rocketfish Wireless Headset Receiver

Mode: A.1

RF-GUV1202 Model: Manufacturer: ZEN

ANT 2

3

4

4805.929

4805.929

40.90

38.08

-0.28

-0.28

40.62

37.80

74.00

54.00

-33.38

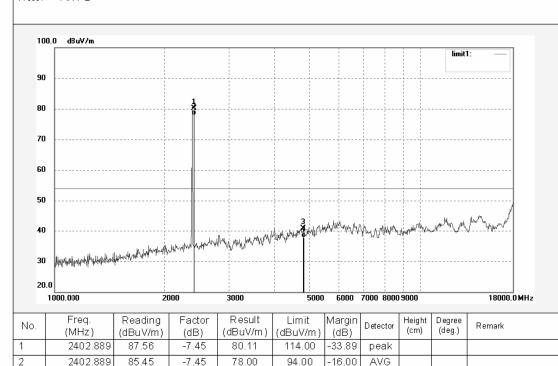
-16.20

peak

AVG



Engineer Signature: PEI





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Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test Temp.(C)/Hum.(%) 24 C/48 %

EUT: Rocketfish Wireless Headset Receiver

Mode: A.2

RF-GUV1202 Model: Manufacturer: ZEN

ANT 2

4

4880.212

47.47

0.13

47.60

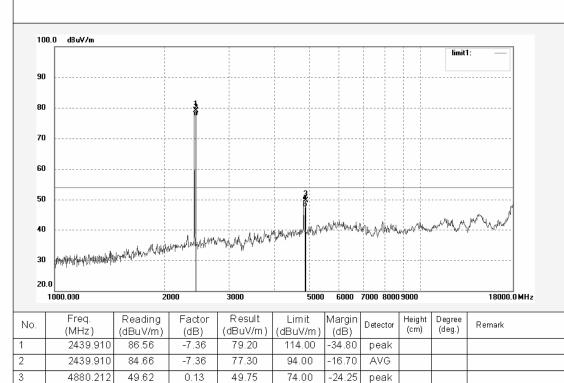
54.00

-6.40

AVG



Engineer Signature: PEI



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Site: 966 chamber



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Tel:+86-0755-26503290 Fax:+86-0755-26503396 Polarization: Horizontal

Power Source: DC 4.5V

Engineer Signature: PEI

Date: 2011/10/02

Time: 14:23:35

Distance: 3m

Standard: FCC Class 15C 3M Radiated

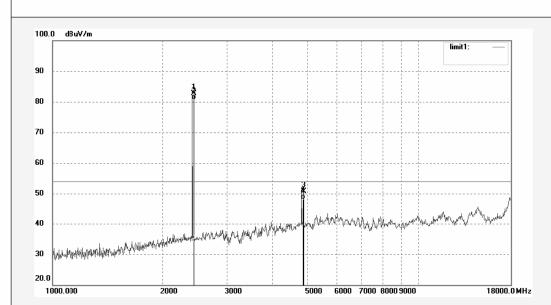
Test item: Radiation Test Temp.(C)/Hum.(%) 24 C/48%

EUT: Rocketfish Wireless Headset Receiver

Mode: A.2

RF-GUV1202 Model: Manufacturer: ZEN

ANT 2



	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
	1	2439.887	90.06	-7.36	82.70	114.00	-31.30	peak			
	2	2439.887	88.06	-7.36	80.70	94.00	-13.30	AVG			
	3	4880.324	50.48	0.13	50.61	74.00	-23.39	peak			
	4	4880.324	47.97	0.13	48.10	54.00	-5.90	AVG			



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Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

Mode: A.3

Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 2

3

4

4954.058

4954.058

49.82

47.62

0.48

0.48

50.30

48.10

74.00

54.00

-23.70

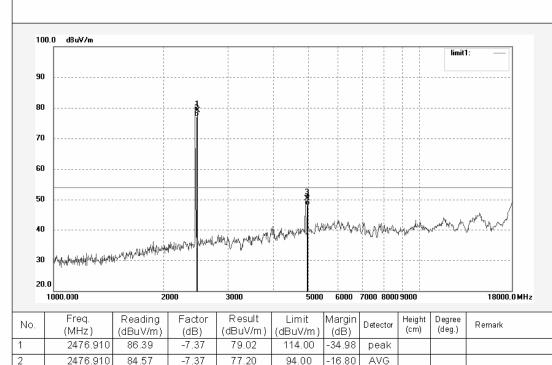
-5.90

peak

AVG



Engineer Signature: PEI Distance: 3m



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Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

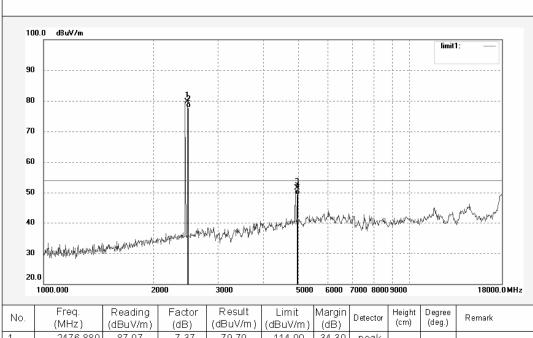
EUT: Rocketfish Wireless Headset Receiver

Mode: A.3

Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 2





No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2476.880	87.07	-7.37	79.70	114.00	-34.30	peak			
2	2476.880	85.07	-7.37	77.70	94.00	-16.30	AVG			
3	4954.178	51.11	0.48	51.59	74.00	-22.41	peak			
4	4954.178	48.92	0.48	49.40	54.00	-4.60	AVG			



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Polarization: Vertical

Date: 2011/10/03

Time: 12:55:54

Distance: 3m

Power Source: DC 4.5V

Engineer Signature: PEI

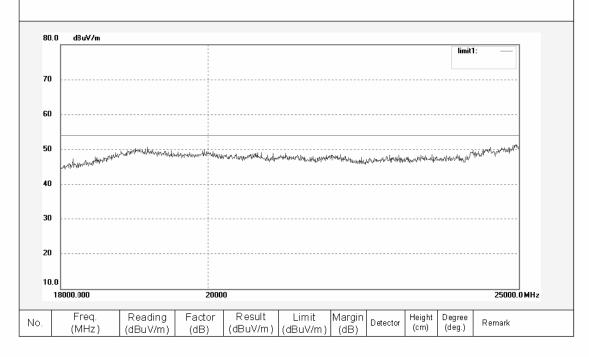
Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

Mode: A.1

Model: RF-GUV1202 Manufacturer: ZEN



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Polarization: Horizontal

Power Source: DC 4.5V

Engineer Signature: PEI

Date: 2011/10/03

Time: 13:01:22

Distance: 3m

Job No.: pei #6344 Standard: FCC Class 15C 3M Radiated

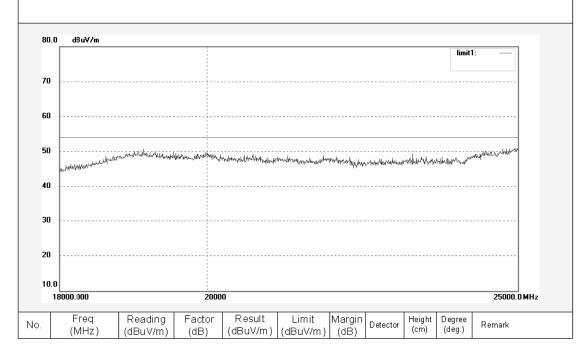
Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

Mode: A.1

Model: RF-GUV1202 Manufacturer: ZEN



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Polarization: Vertical

Date: 2011/10/03

Time: 13:17:17

Distance: 3m

Power Source: DC 4.5V

Engineer Signature: PEI

Job No.: pei #6347 Standard: FCC Class 15C 3M Radiated

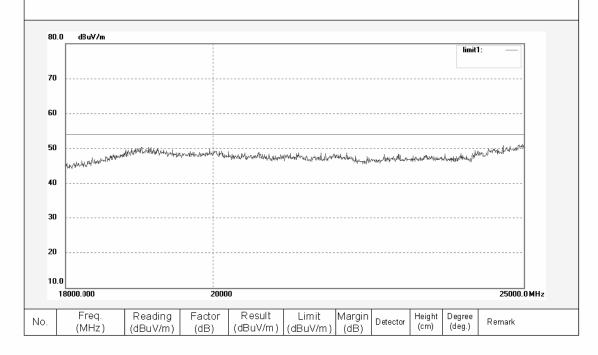
Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

Mode: A.2

Model: RF-GUV1202 Manufacturer: ZEN



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Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.:pei #6348Polarization:HorizontalStandard:FCC Class 15C 3M RadiatedPower Source:DC 4.5V

 Standard:
 FCC Class 15C 3M Radiated
 Power Source:
 DC 4.s

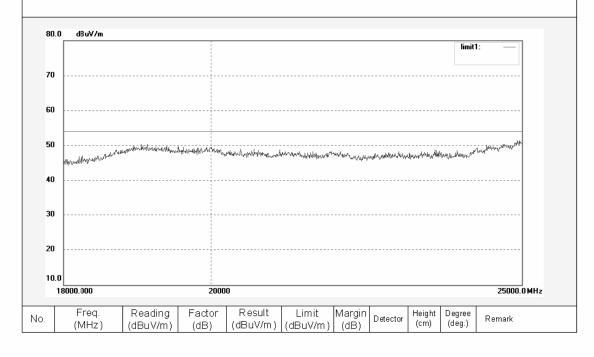
 Test item:
 Radiation Test
 Date: 2011/10/03

 Temp.(
 C)/Hum.(%)
 24
 C / 48 %
 Time: 13:24:48

EUT: Rocketfish Wireless Headset Receiver Engineer Signature: PEI

Mode: A.2 Distance: 3m

Model: RF-GUV1202 Manufacturer: ZEN



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Polarization: Vertical

Date: 2011/10/03

Time: 13:40:01

Distance: 3m

Power Source: DC 4.5V

Engineer Signature: PEI

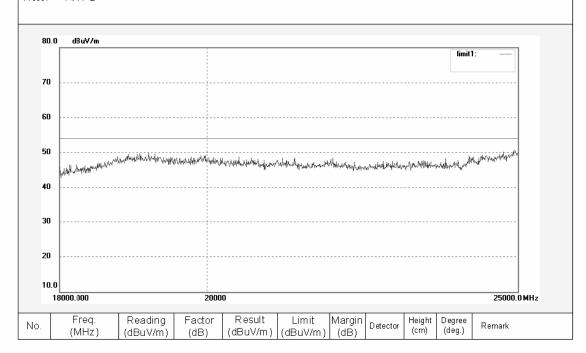
Standard: FCC Class 15C 3M Radiated

Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

Mode: A.3

Model: RF-GUV1202 Manufacturer: ZEN



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Time: 13:47:40

Distance: 3m

Engineer Signature: PEI

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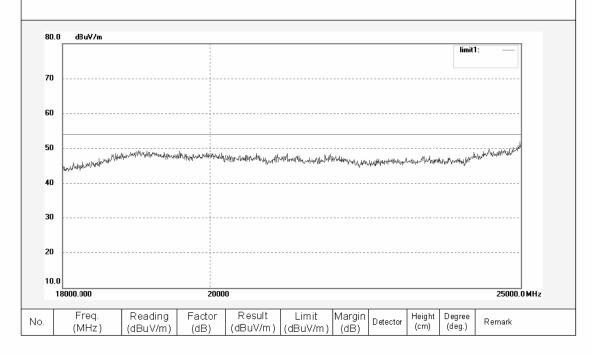
Job No.:pei #6352Polarization:HorizontalStandard:FCC Class 15C 3M RadiatedPower Source:DC 4.5VTest item:Radiation TestDate: 2011/10/03

Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset Receiver

Mode: A.3

Model: RF-GUV1202 Manufacturer: ZEN





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Test plots of Radiated Emissions, operation mode B&C Antenna 1



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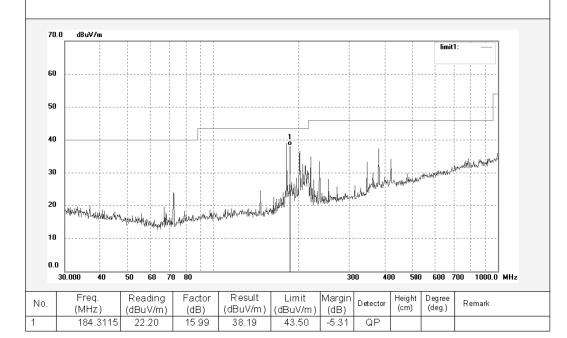
Job No.: pei #6241 Standard: RSS-210 3M Radiated Test item: Radiation Test Temp.(C)/Hum.(%) 24 C/48%

EUT: Rocketfish Wireless Headset System

Mode: B.1 RF-GUV1202 Model:

Manufacturer: ZEN Note: ANT 1

Polarization: Horizontal Power Source: DC 4.5V Date: 2011/10/02 Time: 14:56:40 Engineer Signature: PEI



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Job No.: pei #6242 Standard: RSS-210 3M Radiated Test item: Radiation Test Temp.(C)/Hum.(%) 24 C / 48 %

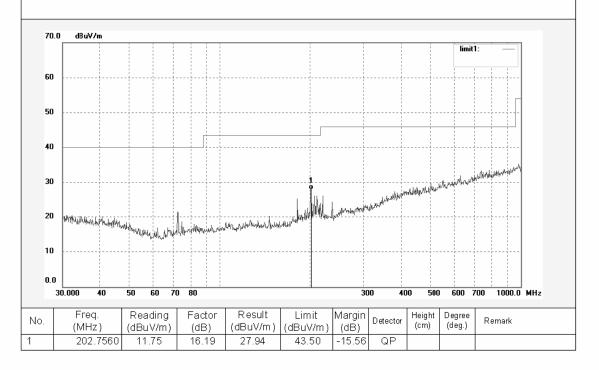
EUT: Rocketfish Wireless Headset System

Mode: B.1

Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 1







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Polarization: Horizontal

Power Source: DC 4.5V

Engineer Signature: PEI

Date: 2011/10/02

Time: 15:19:57

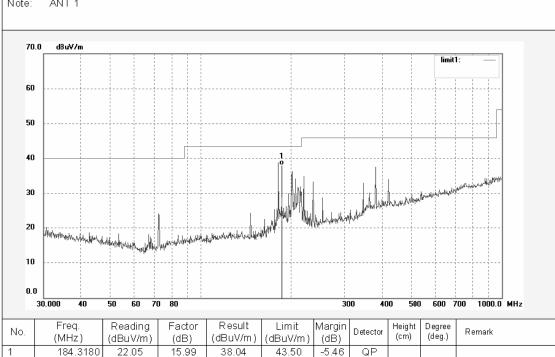
Distance: 3m

Job No.: pei #6245 Standard: RSS-210 3M Radiated Test item: Radiation Test Temp.(C)/Hum.(%) 24 C/48%

EUT: Rocketfish Wireless Headset System

Mode: B.2

RF-GUV1202 Model: Manufacturer: ZEN



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Polarization: Vertical

Date: 2011/10/02

Time: 15:24:41

Distance: 3m

Power Source: DC 4.5V

Engineer Signature: PEI

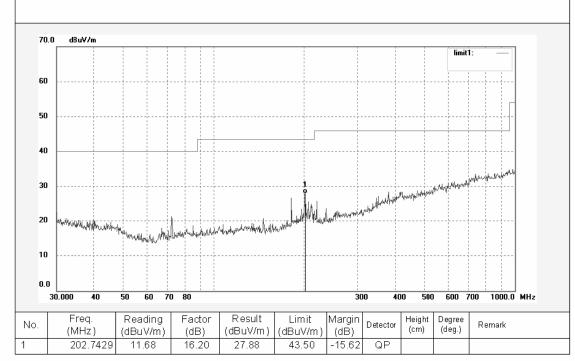
Job No.: pei #6246
Standard: RSS-210 3M Radiated
Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset System

Mode: B.2

Model: RF-GUV1202 Manufacturer: ZEN



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Polarization: Horizontal

Power Source: DC 4.5V

Engineer Signature: PEI

Date: 2011/10/02

Time: 15:37:14

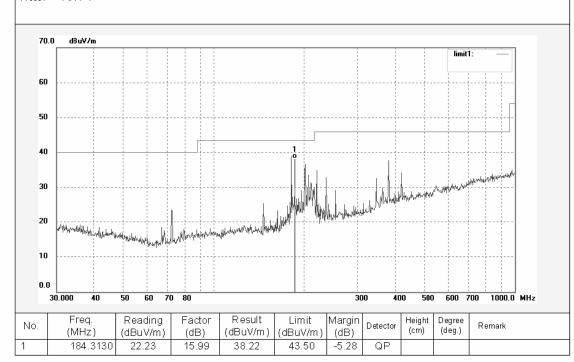
Distance: 3m

Job No.: pei #6249 Standard: RSS-210 3M Radiated Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %
EUT: Rocketfish Wireless Headset System

Mode: B.3

Model: RF-GUV1202 Manufacturer: ZEN



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Job No.: pei #6250
Standard: RSS-210 3M Radiated
Test item: Radiation Test

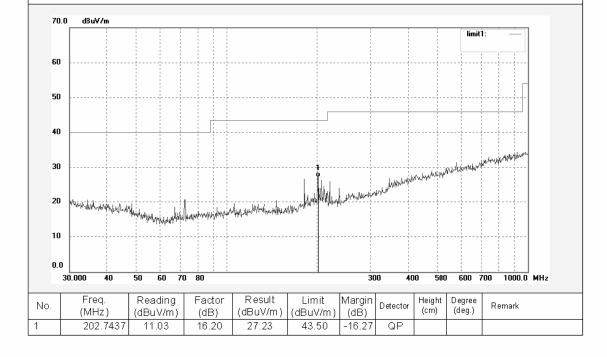
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: Rocketfish Wireless Headset System

Mode: B.3

Model: RF-GUV1202 Manufacturer: ZEN







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Polarization: Vertical

Date: 2011/10/02

Time: 15:57:57

Distance: 3m

Power Source: DC 4.5V

Engineer Signature: PEI

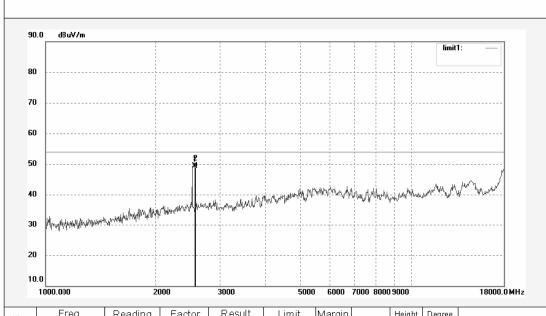
Job No.: pei #6253
Standard: RSS-210 3M Radiated
Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset System

Model: B.1

Model: RF-GUV1202 Manufacturer: ZEN



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	2562.052	56.15	-6.91	49.24	74.00	-24.76	peak				
2	2562.052	55.91	-6.91	49.00	54.00	-5.00	AVG				

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Job No.: pei #6254
Standard: RSS-210 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

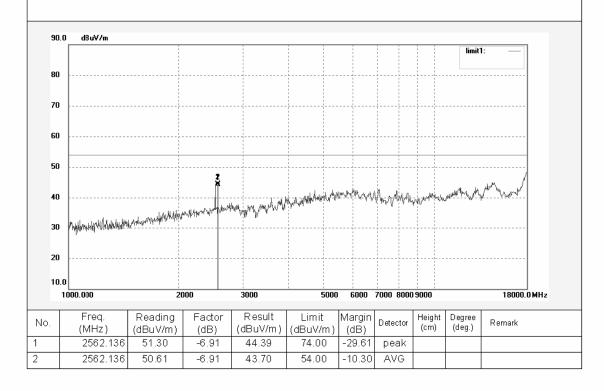
EUT: Rocketfish Wireless Headset System

Mode: B.1

Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 1





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Job No.: pei #6257
Standard: RSS-210 3M Radiated
Test item: Radiation Test

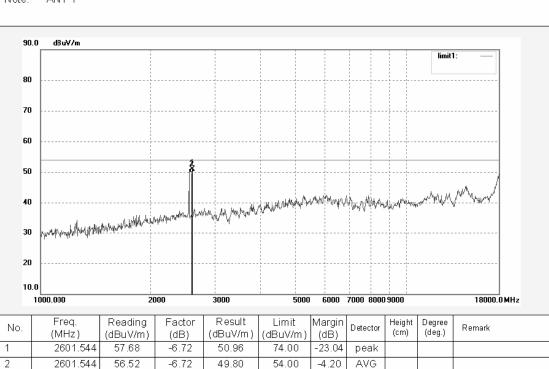
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: Rocketfish Wireless Headset System

Mode: B.2

Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 1





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Job No.: pei #6258
Standard: RSS-210 3M Radiated
Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

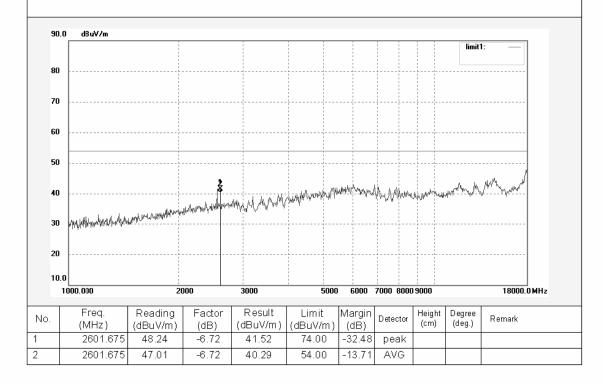
EUT: Rocketfish Wireless Headset System

Mode: B.2

Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 1





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Job No.: pei #6261
Standard: RSS-210 3M Radiated
Test item: Radiation Test

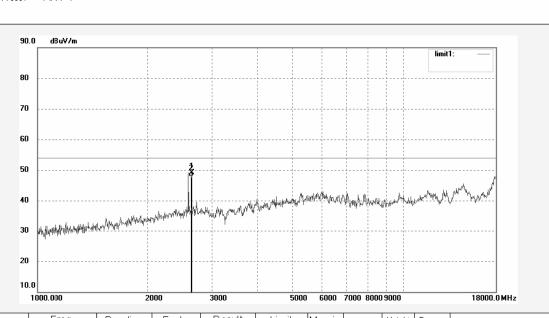
Temp.(C)/Hum.(%) 24 C/48 %

EUT: Rocketfish Wireless Headset System

Mode: B.3

Model: RF-GUV1202 Manufacturer: ZEN





No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	2641.050	55.81	-6.69	49.12	74.00	-24.88	peak				
2	2641.050	54.39	-6.69	47.70	54.00	-6.30	AVG				

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ATC

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Job No.: pei #6262 Standard: RSS-210 3M Radiated Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

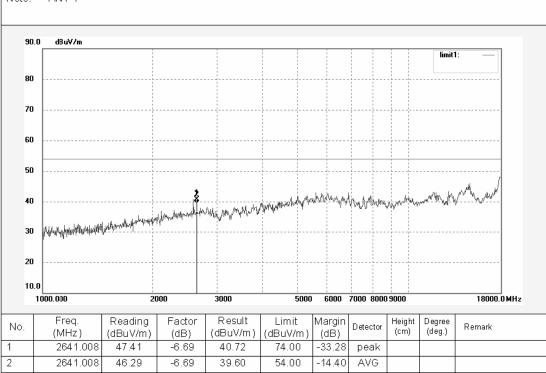
EUT: Rocketfish Wireless Headset System

Mode: B.3

Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 1





Appendix 1 17022545 001

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Polarization: Horizontal

Engineer Signature: PEI

Standard: RSS-210 3M Radiated

Rocketfish Wireless Headset System

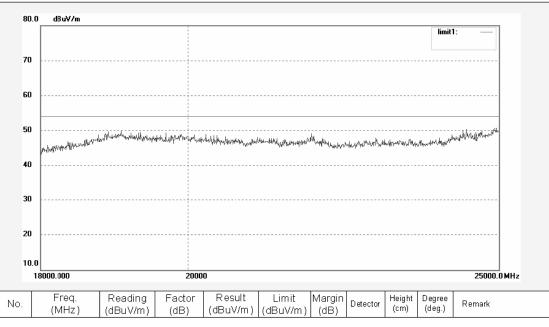
Power Source: DC 4.5V Test item: Radiation Test Date: 2011/10/03 Temp.(C)/Hum.(%) 24 C/48% Time: 13:53:15

Mode: B.1 Distance: 3m

RF-GUV1202 Model: Manufacturer: ZEN

Note: ANT 1

EUT:



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Polarization: Vertical

Date: 2011/10/03

Time: 13:59:21

Distance: 3m

Power Source: DC 4.5V

Engineer Signature: PEI

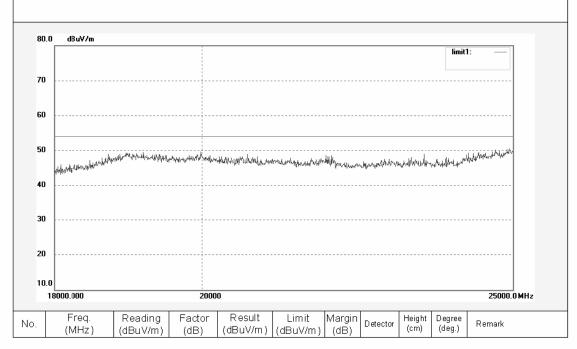
Job No.: pei #6354
Standard: RSS-210 3M Radiated
Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset System

Mode: B.1

Model: RF-GUV1202 Manufacturer: ZEN



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Polarization: Horizontal

Power Source: DC 4.5V

Engineer Signature: PEI

Date: 2011/10/03

Time: 14:15:15

Distance: 3m

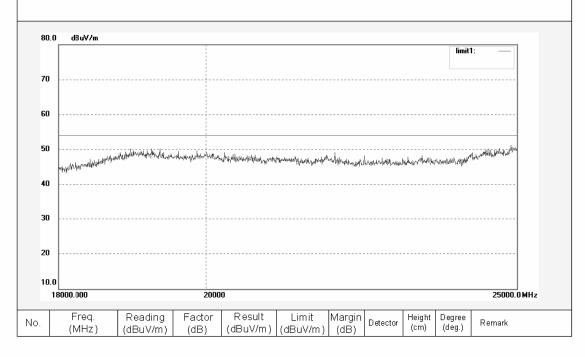
Job No.: pei #6357
Standard: RSS-210 3M Radiated
Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C/48%

EUT: Rocketfish Wireless Headset System

Mode: B.2

Model: RF-GUV1202 Manufacturer: ZEN





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Polarization: Vertical

Date: 2011/10/03

Time: 14:21:36

Distance: 3m

Power Source: DC 4.5V

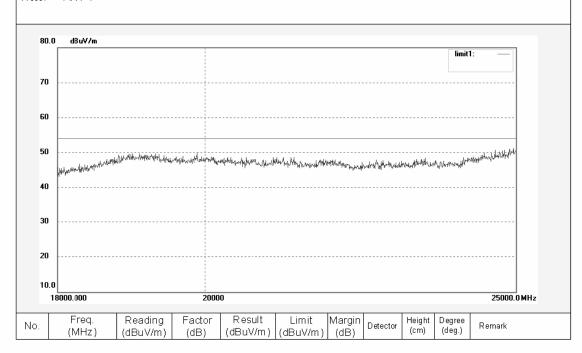
Engineer Signature: PEI

Job No.: pei #6358
Standard: RSS-210 3M Radiated
Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %
EUT: Rocketfish Wireless Headset System

Mode: B.2

Model: RF-GUV1202 Manufacturer: ZEN



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Polarization: Horizontal

Power Source: DC 4.5V

Engineer Signature: PEI

Date: 2011/10/03

Time: 14:38:31

Distance: 3m

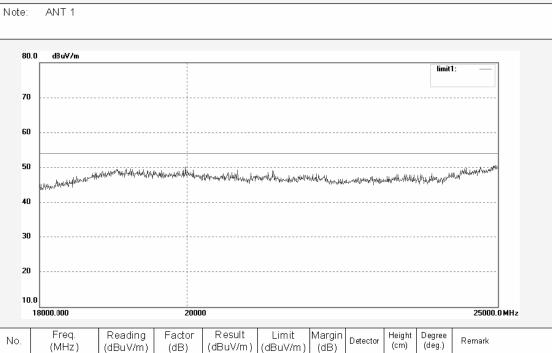
Job No.: pei #6361 Standard: RSS-210 3M Radiated Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset System

Mode: B.3

Model: RF-GUV1202 Manufacturer: ZEN



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 Job No.:
 pei #6362
 Polarization:
 Vertical

 Standard:
 RSS-210 3M Radiated
 Power Source:
 DC 4.5V

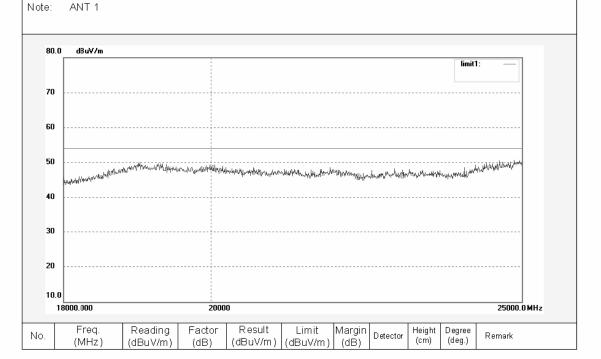
 Test item:
 Padiation Test
 Date: 2011/10/03

Test item: Radiation Test Date: 2011/10/03
Temp.(C)/Hum.(%) 24 C / 48 % Time: 14:44:59

EUT: Rocketfish Wireless Headset System Engineer Signature: PEI

Mode: B.3 Distance: 3m

Model: RF-GUV1202 Manufacturer: ZEN





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Antenna 2



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Job No.: pei #6243 Standard: RSS-210 3M Radiated Test item: Radiation Test Temp.(C)Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset System

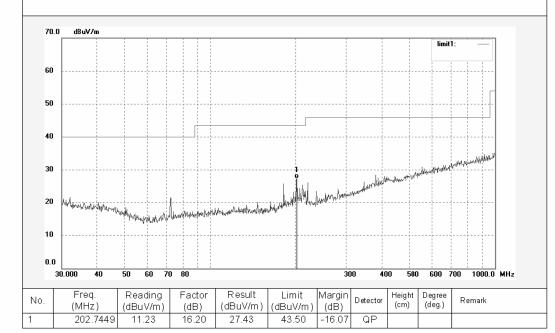
Mode: B.1

Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 2

Polarization: Vertical
Power Source: DC 4.5V
Date: 2011/10/02
Time: 15:08:55

Engineer Signature: ANTE1



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Polarization: Horizontal

Power Source: DC 4.5V

Engineer Signature: PEI

Date: 2011/10/02

Time: 15:14:40

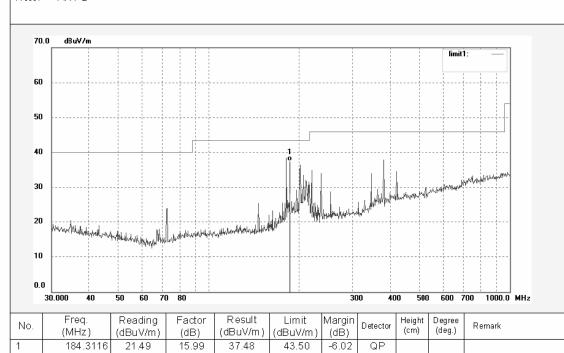
Distance: 3m

Job No.: pei #6244
Standard: RSS-210 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset System

Mode: B.1

Model: RF-GUV1202 Manufacturer: ZEN





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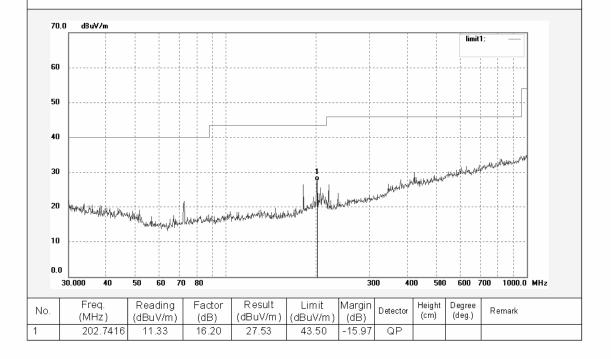
Job No.: pei #6247 Standard: RSS-210 3M Radiated Test item: Radiation Test Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset System

Mode: B.2

Model: RF-GUV1202 Manufacturer: ZEN





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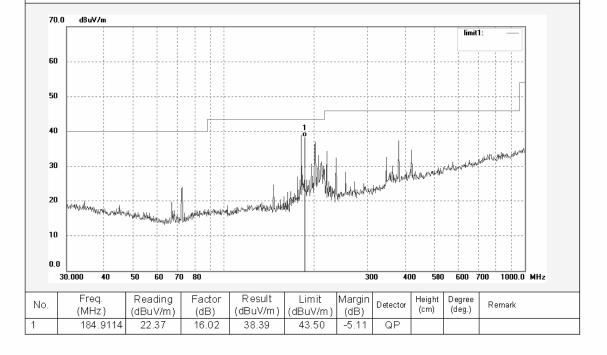
Job No.: pei #6248
Standard: RSS-210 3M Radiated
Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %
EUT: Rocketfish Wireless Headset System

Mode: B.2

Model: RF-GUV1202 Manufacturer: ZEN





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Polarization: Vertical

Date: 2011/10/02

Time: 15:47:00

Distance: 3m

Power Source: DC 4.5V

Engineer Signature: PEI

Job No.: pei #6251
Standard: RSS-210 3M Radiated
Test item: Radiation Test

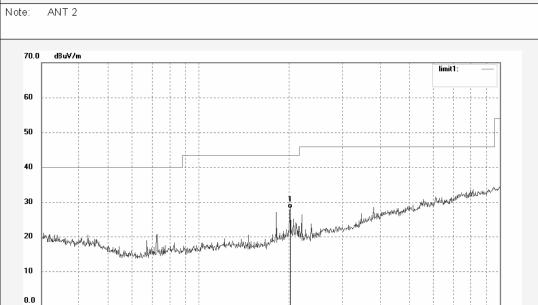
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: Rocketfish Wireless Headset System

Mode: B.3

30.000

60 70 80

Model: RF-GUV1202 Manufacturer: ZEN



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	202.7426	12.08	16.20	28.28	43.50	-15.22	QP				

300

400

500 600 700 1000.0 MHz

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Polarization: Horizontal

Power Source: DC 4.5V

Engineer Signature: PEI

Date: 2011/10/02

Time: 15:53:47

Distance: 3m

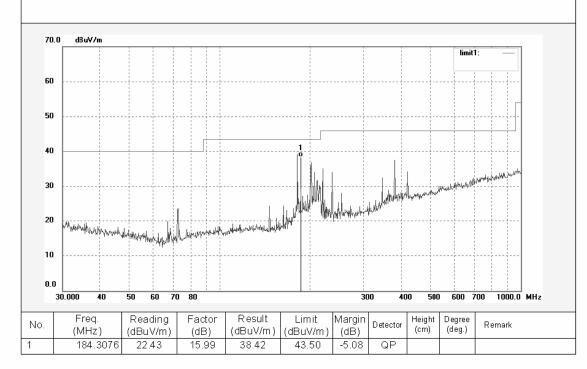
Job No.: pei #6252 Standard: RSS-210 3M Radiated Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset System

Mode: B.3

Model: RF-GUV1202 Manufacturer: ZEN





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Job No.: pei #6255
Standard: RSS-210 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

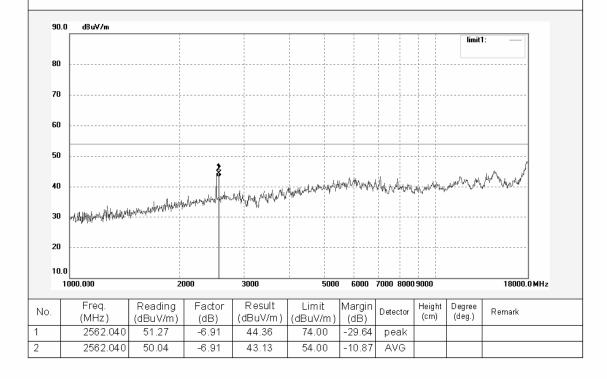
EUT: Rocketfish Wireless Headset System

Mode: B.1

Model: RF-GUV1202 Manufacturer: ZEN







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Job No.: pei #6256
Standard: RSS-210 3M Radiated
Test item: Radiation Test

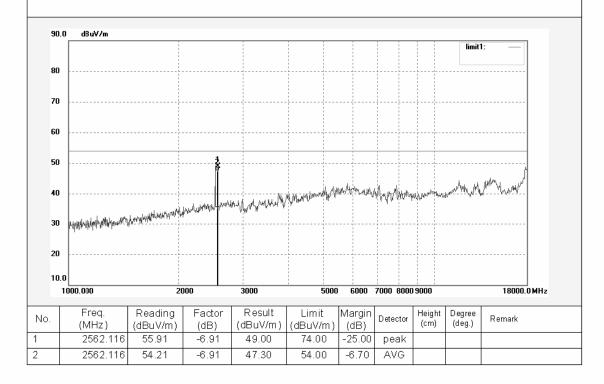
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: Rocketfish Wireless Headset System

Mode: B.1

Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 2







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Job No.: pei #6259
Standard: RSS-210 3M Radiated
Test item: Radiation Test

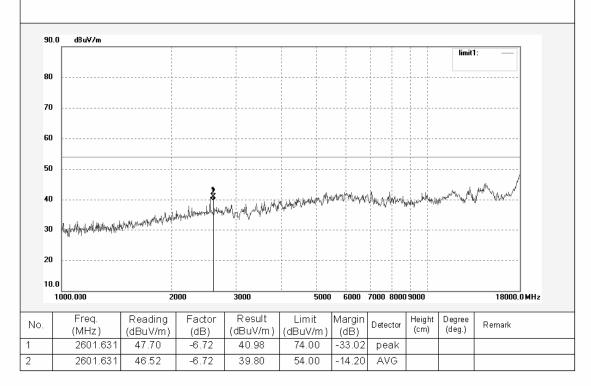
Temp.(C)/Hum.(%) 24 C/48 %

EUT: Rocketfish Wireless Headset System

Mode: B.2

Model: RF-GUV1202 Manufacturer: ZEN





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Job No.: pei #6260 Standard: RSS-210 3M Radiated Test item: Radiation Test

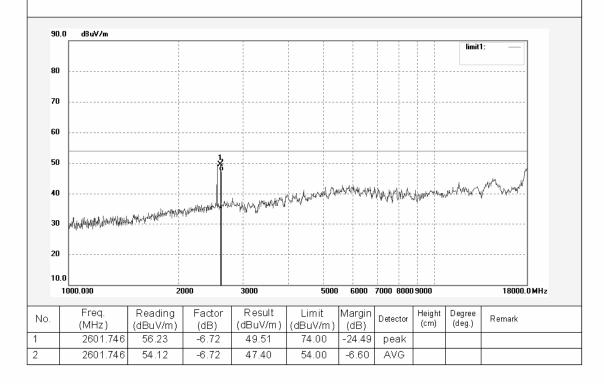
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: Rocketfish Wireless Headset System

Mode: B.2

Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 2





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Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: pei #6263 Standard: RSS-210 3M Radiated Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C/48%

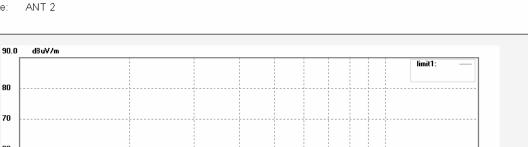
EUT: Rocketfish Wireless Headset System

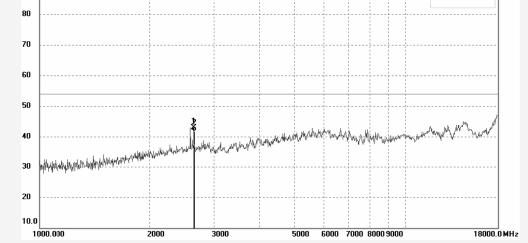
Mode: B.3

RF-GUV1202 Model: Manufacturer: ZEN

Note:







No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	2641.249	49.59	-6.68	42.91	74.00	-31.09	peak				
2	2641.249	48.38	-6.68	41.70	54.00	-12.30	AVG				

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Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Standard: RSS-210 3M Radiated Test item: Radiation Test

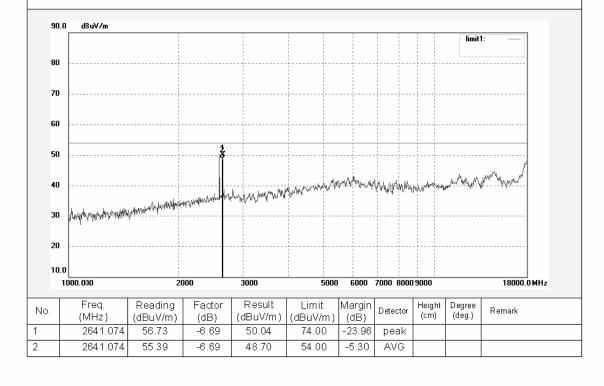
Temp.(C)/Hum.(%) 24 C/48% EUT: Rocketfish Wireless Headset System

Mode: B.3

RF-GUV1202 Model: Manufacturer: ZEN







Polarization: Vertical

Date: 2011/10/03

Time: 14:04:39

Distance: 3m

Power Source: DC 4.5V

Engineer Signature: PEI

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Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

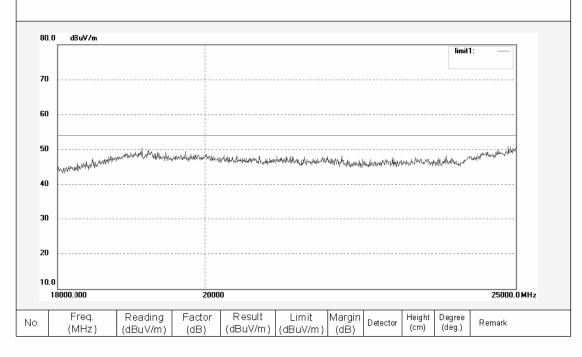
Standard: RSS-210 3M Radiated Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C/48%

EUT: Rocketfish Wireless Headset System

Mode: B.1

RF-GUV1202 Model: Manufacturer: ZEN



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Time: 14:10:58

Distance: 3m

Engineer Signature: PEI



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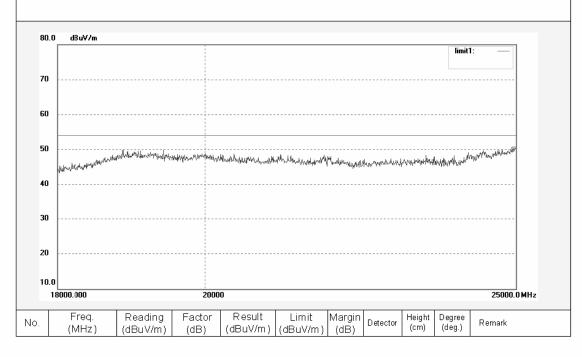
Job No.:pei #6356Polarization:HorizontalStandard:RSS-210 3M RadiatedPower Source:DC 4.5VTest item:Radiation TestDate: 2011/10/03

Temp.(C)/Hum.(%) 24 C/48 %

EUT: Rocketfish Wireless Headset System

Mode: B.1

Model: RF-GUV1202 Manufacturer: ZEN



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Polarization: Vertical

Date: 2011/10/03

Time: 14:26:15

Distance: 3m

Power Source: DC 4.5V

Engineer Signature: PEI

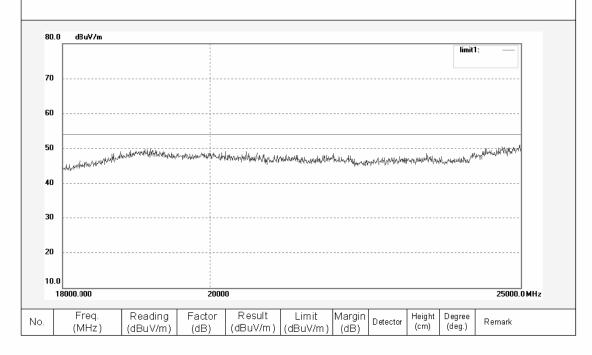
Job No.: pei #6359
Standard: RSS-210 3M Radiated
Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Rocketfish Wireless Headset System

Mode: B.2

Model: RF-GUV1202 Manufacturer: ZEN



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Polarization: Horizontal

Power Source: DC 4.5V

Engineer Signature: PEI

Date: 2011/10/03

Time: 14:32:10

Distance: 3m

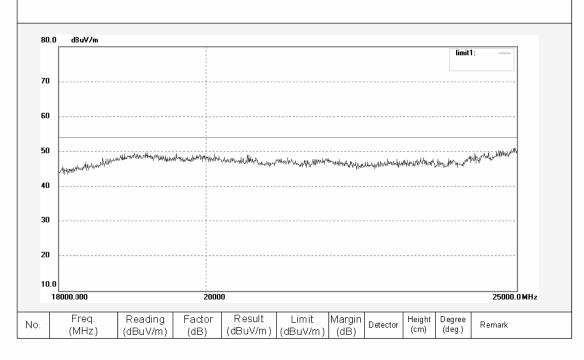
Job No.: pei #6360 Standard: RSS-210 3M Radiated Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C/48 %

EUT: Rocketfish Wireless Headset System

Mode: B.2

Model: RF-GUV1202 Manufacturer: ZEN



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Polarization: Vertical

Date: 2011/10/03

Time: 14:49:20

Distance: 3m

Power Source: DC 4.5V

Engineer Signature: PEI

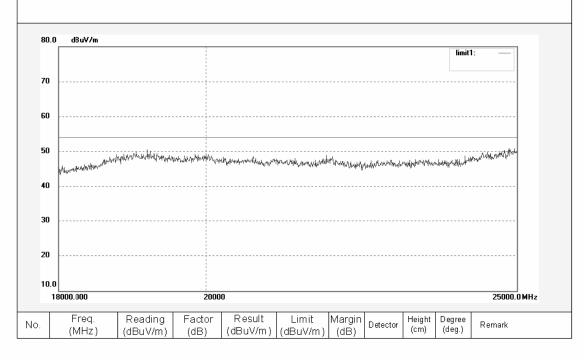
Job No.: pei #6363 Standard: RSS-210 3M Radiated Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C/48%

EUT: Rocketfish Wireless Headset System

Mode: B.3

Model: RF-GUV1202 Manufacturer: ZEN



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Polarization: Horizontal

Power Source: DC 4.5V

Engineer Signature: PEI

Date: 2011/10/03

Time: 14:55:34

Distance: 3m

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Job No.: pei #6364
Standard: RSS-210 3M Radiated
Test item: Radiation Test

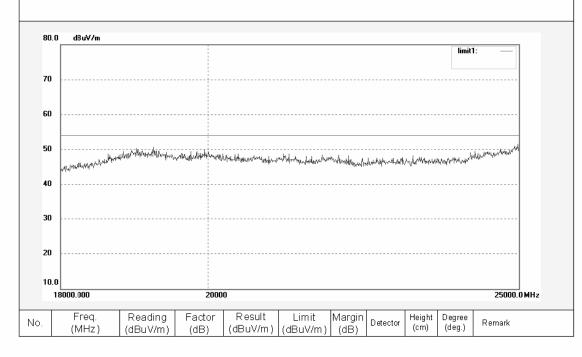
Temp.(C)/Hum.(%) 24 C / 48 %

EUT: Poolvotfish \(\text{\text{Mirrolass Hoodset System}} \)

EUT: Rocketfish Wireless Headset System

Mode: B.3

Model: RF-GUV1202 Manufacturer: ZEN



Appendix 1 **17022545 001**



Site: 966 chamber

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Test plots of Bandedge

Antenna 1



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reyuan Rd, Tel:+86-0755-26503290 n,P.R China Fax:+86-0755-26503396 Polarization: Vertical

Standard: FCC Part 15 Band Edge (2.4G)

Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %

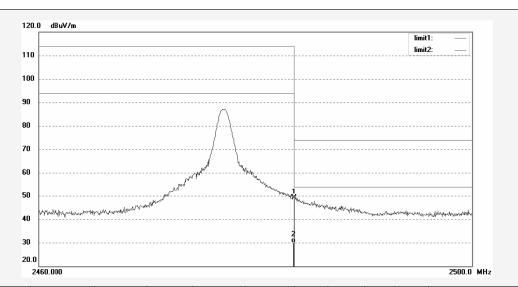
EUT: Rocketfish Wireless Headset Receiver

Mode: A.3

Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 1

Polarization: Vertical
Power Source: DC 4.5V
Date: 2011/10/01
Time: 16:40:54
Engineer Signature: PEI



No.	Freq.	Reading	Factor	Result	Limit	Margin	Detector		Degree	Remark	
140.	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Detector	(cm)	(deg.)	Kelliaik	
1	2483.500	56.47	-7.37	49.10	74.00	-24.90	peak				
2	2483.500	37.17	-7.37	29.80	54.00	-24.20	AVG				

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F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Standard: FCC Part 15 Band Edge (2.4G)

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C/48 %

EUT: Rocketfish Wireless Headset Receiver

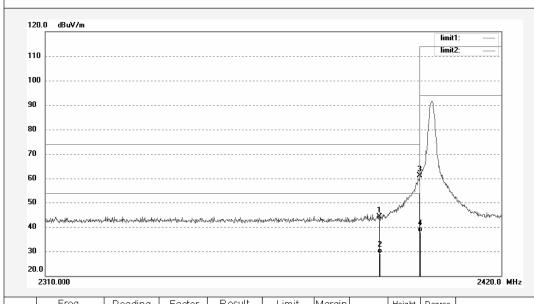
Mode: A.1

Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 1



Engineer Signature: PEI



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	51.63	-7.53	44.10	74.00	-29.90	peak			
2	2390.000	36.63	-7.53	29.10	54.00	-24.90	AVG			
3	2400.000	68.56	-7.46	61.10	74.00	-12.90	peak			
4	2400.000	45.46	-7.46	38.00	54.00	-16.00	AVG			



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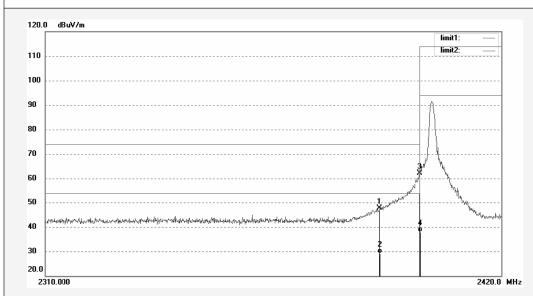
Job No.:pei #6166Polarization:VerticalStandard:FCC Part 15 Band Edge (2.4G)Power Source:DC 4.5V

Test item: Radiation Test Date: 2011/10/01
Temp.(C)/Hum.(%) 24 C / 48 % Time: 15:36:28

EUT: Rocketfish Wireless Headset Receiver Engineer Signature: PEI

Mode: A.1 Distance: 3m

Model: RF-GUV1202 Manufacturer: ZEN



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	55.13	-7.53	47.60	74.00	-26.40	peak			
2	2390.000	36.73	-7.53	29.20	54.00	-24.80	AVG			
3	2400.000	69.56	-7.46	62.10	74.00	-11.90	peak			
4	2400.000	45.46	-7.46	38.00	54.00	-16.00	AVG			

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Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.:pei #6169Polarization:HorizontalStandard:FCC Part 15 Band Edge (2.4G)Power Source:DC 4.5V

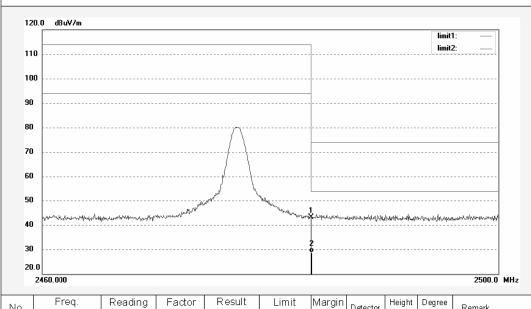
 Test item:
 Radiation Test
 Date: 2011/10/01

 Temp.(C)/Hum.(%)
 24 C / 48 %
 Time: 16:24:37

EUT: Rocketfish Wireless Headset Receiver Engineer Signature: PEI

Mode: A.3 Distance: 3m

Model: RF-GUV1202 Manufacturer: ZEN



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	2483.500	50.47	-7.37	43.10	74.00	-30.90	peak				
2	2483.500	36.07	-7.37	28.70	54.00	-25.30	AVG				



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Antenna 2



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Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Standard: FCC Part 15 Band Edge (2.4G)

Test item: Radiation Test Temp.(C)/Hum.(%) 24 C/48 %

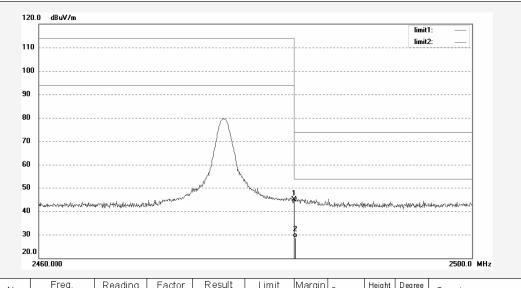
EUT: Rocketfish Wireless Headset Receiver

Mode: A.3

Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 2 Polarization: Horizontal Power Source: DC 4.5V Date: 2011/10/01 Time: 17:12:48

Engineer Signature: PEI



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	52.27	-7.37	44.90	74.00	-29.10	peak			
2	2483.500	35.97	-7.37	28.60	54.00	-25.40	AVG			

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Polarization: Vertical

Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Power Source: DC 4.5V

Engineer Signature: PEI

Date: 2011/10/01

Time: 15:49:41

Distance: 3m

Job No.: pei #6167 Standard: FCC Part 15 Band Edge (2.4G)

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C/48 %

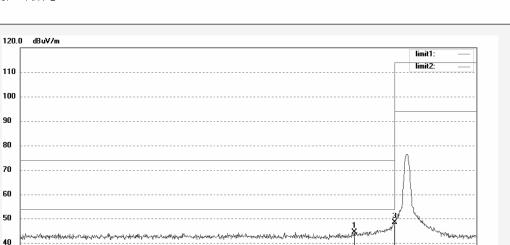
EUT: Rocketfish Wireless Headset Receiver

Mode: A.1

Model: RF-GUV1202 Manufacturer: ZEN

Note: ANT 2

20.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	51.93	-7.53	44.40	74.00	-29.60	peak			
2	2390.000	36.33	-7.53	28.80	54.00	-25.20	AVG			
3	2400.000	55.96	-7.46	48.50	74.00	-25.50	peak			
4	2400.000	37.06	-7.46	29.60	54.00	-24.40	AVG			

2420.0 MHz

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.:pei #6168Polarization:HorizontalStandard:FCC Part 15 Band Edge (2.4G)Power Source:DC 4.5V

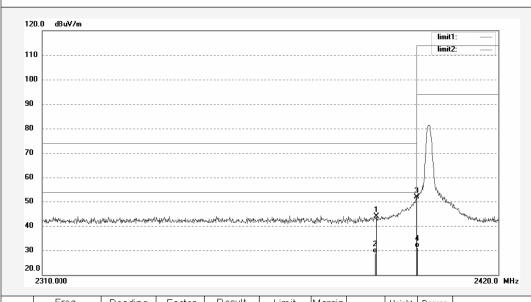
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C/48 %

EUT: Rocketfish Wireless Headset Receiver

Mode: A.1

Model: RF-GUV1202 Manufacturer: ZEN





No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	51.43	-7.53	43.90	74.00	-30.10	peak			
2	2390.000	36.43	-7.53	28.90	54.00	-25.10	AVG			
3	2400.000	59.36	-7.46	51.90	74.00	-22.10	peak			
4	2400.000	38.66	-7.46	31.20	54.00	-22.80	AVG			

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Produkte
Products

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

 Job No.:
 pei #6171
 Polarization:
 Vertical

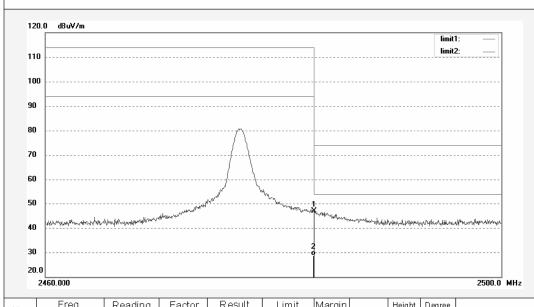
 Standard:
 FCC Part 15 Band Edge (2.4G)
 Power Source:
 DC 4.5V

Test item: Radiation Test Date: 2011/10/01
Temp.(C)/Hum.(%) 24 C / 48 % Time: 16:55:23

EUT: Rocketfish Wireless Headset Receiver Engineer Signature: PEI

Mode: A.3 Distance: 3m Model: RF-GUV1202

Model: RF-GUV1202 Manufacturer: ZEN



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	2483.500	54.27	-7.37	46.90	74.00	-27.10	peak				
2	2483.500	36.07	-7.37	28.70	54.00	-25.30	AVG				