



FCC 47 CFR PART 15 SUBPART C

TEST REPORT

FOR

GPS Sport Watch

Model : GoWatch 820i

Trade Name: GOLiFE

Issued to

**GOYOURLIFE INC.
6F., No. 189, Xinhu 3rd Rd., Neihu Dist., Taipei City 114,
Taiwan (R.O.C.)**

**Issued by
PEP Certification Corp.**



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APPENDIX 1 PHOTOS OF TEST CONFIGURATION

APPENDIX 2 PHOTOS OF EUT



1. GENERAL INFORMATION

Applicant : GOYOURLIFE INC.

Address : 6F., No. 189, Xinhu 3rd Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)

Manufacturer : Dongguan-Chou Chin Watch & Clock Co., Ltd

Address : No. 14, NingJiang Rd., Daning Village, Humen Town, Dongguan City, Guangdong Province, China

EUT : GPS Sport Watch

Model Name : GoWatch 820i

Model Differences : N/A

Is here with confirmed to comply with the requirements set out in the FCC Rules and Regulations Part 15 Subpart C and the measurement procedures were according to ANSI C63.4-2003. The said equipment in the configuration described in this report shows the maximum emission levels emanating from equipment are within the compliance requirements.

FCC part 15 subpart C

Receipt Date : 12/08/2014

Final Test Date : 12/23/2014

Taipei, Taiwan

DEC. 26, 2014

Alex Chou
Alex Chou / Manager

(Place)

(Date)

(Signature) Designation Number: TW1075



2. REPORT OF MEASUREMENTS AND EXAMINATIONS

2.1 LIST OF MEASUREMENTS AND EXAMINATIONS

FCC Rule	Description of Test	Result
15.207	. Conducted Emission	Pass
15.205 15.209 15.249	. Radiated Emission	Pass
15.215(c)	. 20dB Bandwidth	Pass
1.1307 1.1310 2.1091 2.1093	. RF Exposure Compliance	Pass



2.2 DESCRIPTION OF THE TESTED SAMPLES

EUT Name : GPS Sport Watch

Model Number :: GoWatch 820i

FCCID Number 2AA5BGLGW820

Receipt Date : 12/08/2014

Input Voltage : 3.7Vdc From Li-ion Battery or 5Vdc From USB Port

Power From Inside Outside
Adaptor BATTERY AC Power Source
DC Power Source Support Unit PC or NB

Operate Frequency : Refer to the channel list as described below

Modulation Technique : GFSK

Number of Channels : 1

Channel spacing : N/A _____ MHz

Operating Mode : Simplex Half Duplex

Antenna Type : Integral antenna: Helix
a dedicated antenna

Antenna gain 1 dBi



3. TEST METHODOLOGY

All testing as described bellowed were performed in accordance with ANSI C63.4:2003 and FCC CFR 47 Part 15 Subpart C.

3.1 GENERAL TEST PROCEDURES

Conducted Emissions

The EUT is placed on a wood table, which is at 0.8 m above ground plane acceding to clause 15.207 and requirements of ANSI C63.4:2003. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz are using CISPR Quasi-Peak / Average detectors.

Radiated Emissions

The EUT is a placed on a turn table, which is 0.8 m above ground plane. The turntable was rotated through 360 degrees to determine the position of maximum emission level. The EUT is placed at 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.



3.2 FCC PART 15.205 RESTRICTED BANDS OF OPERATIONS

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
10.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)
13.36 - 13.41			

1 Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

2 Above 38.6

(b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

3.3 DESCRIPTION OF TEST MODES

New Battery was used for all testing and the worst radiated emission case from X,Y and Z axis evaluation was selected for testing

The EUT was tested under following modes:

Modes:

- 1. Continuous transmitting**

Channels:

- 1. 2.457 GHz**



3.4 DESCRIPTION OF THE SUPPORT EQUIPMENTS

Setup Diagram

See test photographs attached in appendix 1 for the actual connections between EUT and support equipment.

EUT



Support Equipment

Peripherals Devices:

OUTSIDE SUPPORT EQUIPMENT							
No.	Equipment	Model	Serial No.	FCC ID/ BSMI ID	Trade name	Data Cable	Power Cord
1.	N/A	N/A	N/A	N/A	N/A	N/A	N/A

INSIDE SUPPORT EQUIPMENT							
No.	Equipment	Model	Serial No.	FCC ID/ BSMI ID	Trade name	Data Cable	Power Cord
1.	Li-ion Battery	PL 452430	N/A	N/A	N/A	N/A	N/A

Note: All the above equipment /cable were placed in worse case position to maximize emission signals during emission test

Grounding: Grounding was in accordance with the manufacturer's requirement and conditions for the intended use.



4. TEST AND MEASUREMENT EQUIPMENT

4.1 CALIBRATION

The measuring equipment utilized to perform the tests documented in the report has been calibrated once a year or in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2 EQUIPMENT

The following list contains measurement equipment used for testing. The equipment conforms to the requirement of CISPR 16-1, ANSI C63.2 and. Other required standards.

Calibration of all test and measurement, including any accessories that may effect such calibration, is checked frequently to ensure the accuracy. Adjustments are made and correction factors are applied in accordance with the instructions contained in the respective.

List of Test and Measurement Equipment

Test Site	Instrument	Manufacturer	Model No.	S/N	Next Cal. Date
Conduction	Receiver	R&S	ESHS10	830223/008	Nov. 23, 2015
	Spectrum Analyzer	ADVANTEST	R3261C	87120343	Mar. 18, 2015
	RF Cable	MIYAZAKI & Anritsu	RG58A0 & MP59B	M79094	Apr. 08, 2015
	L.I.S.N	Rolf Heine Hochfrequenztechnik	NNB-2/16z	98062	Jan. 16, 2015
	EMI Test Receiver	R&S	EAHS-10	1093.4495.03	Mar. 21, 2015
	Click Analyzer	Schaffner	DIA1512C	5218	Jun. 15, 2015
Radiation	Spectrum Analyzer	Nexl Future	NS-265	N05044006	Aug. 04, 2015
	30MHz~1GHz RF Cable	YEIDA WIRE CABLE	N/A	N/A	Jan. 18, 2015
	1GHz~18GHz RF Cable	EMCI	N/A	N/A	July 30, 2015
	Hron Antenna 1GHz~18GHz	COM-POWER	AH-118	10056	Mar. 12, 2015
	Antenna(30M-1G)	SCHWARZBECH	VULB 9161	4078	Jan. 16, 2015
	Pre-Amplifier	Schaffner	CPA-9232	1028	Jan. 20, 2015
	Preamplifier 1GHz~18GHz	EMCI	EMC051845	980108	Oct.08, 2015
	18G~26G RF Cable	YEIDA WIRE CABLE	N/A	N/A	July 30, 2015
	Hron Antenna 18G~26G	COM-Power	AH-826	081000	Mar. 21, 2015
	Preamplifier 18G~26G	MITEQ	30-5A	808329	May 28, 2015

- CALIBRATION INTERVAL OF INSTRUMENTS LISTED ABOVE IS ONE YEAR



5. SECTION 15.249 REQUIREMENTS (FUNDAMENTAL/ HARMONICS)

5.1 TEST SETUP

Refer to paragraph 7.1.

5.2 LIMIT

Fundamental Frequency (MHz)	Field Strength of Fundamental (dBμV/m at 3-meter)	Detector
902 - 928 2400 – 2483 5725 - 5875	114	Peak
902 - 928 2400 – 2483 5725 - 5875	94	AV

Fundamental Frequency (MHz)	Field Strength of Harmonics (dBμV/m at 3-meter)	Detector
902 - 928 2400 – 2483 5725 - 5875	74	Peak
902 - 928 2400 – 2483 5725 - 5875	54	AV

5.3 RESULT: PASSED

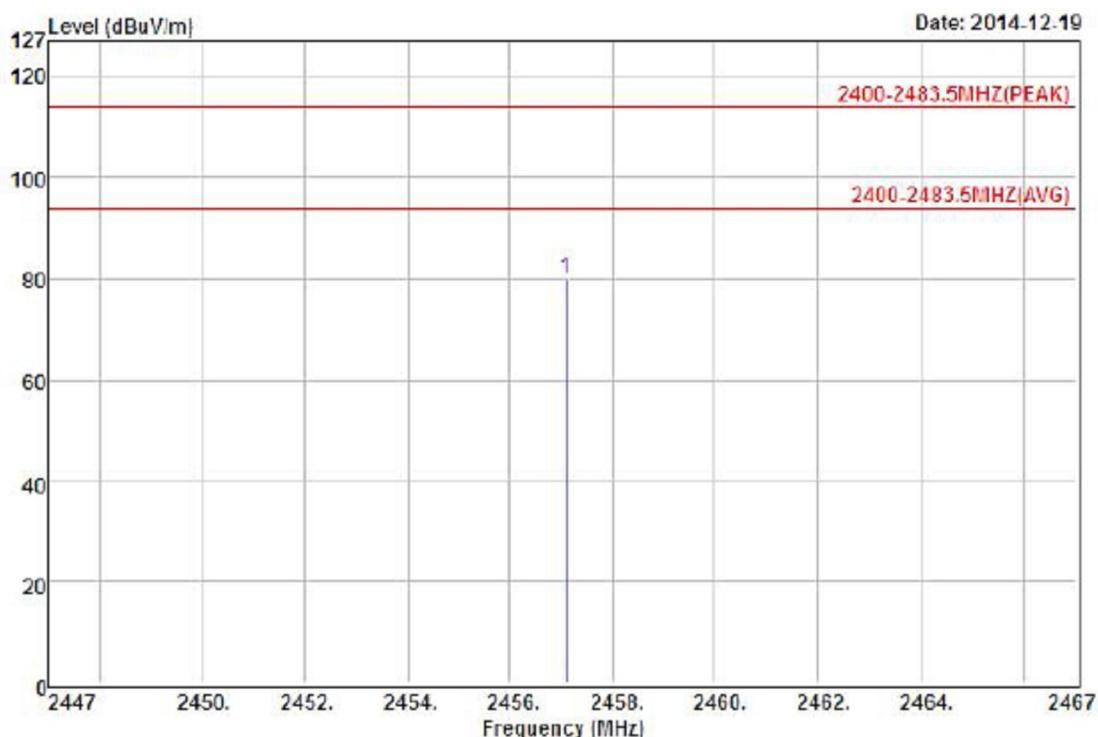
5.4 TEST DATA:



Fundamental

Vertical

X axis



Site : Radiation
Condition : 2400-2483.5MHZ(Peak) 3m AH-118(1-180)104 VERTICAL
EUT : 14090402
Power : DC 3.7V
Mode : Transmit
Temperature : 23
Humidity : 65
Meno : OFSK

Remarks:
1. Result=Read Value+Factor
2. Factor=Antenna Factor+Cable loss-
Amplifier Factor

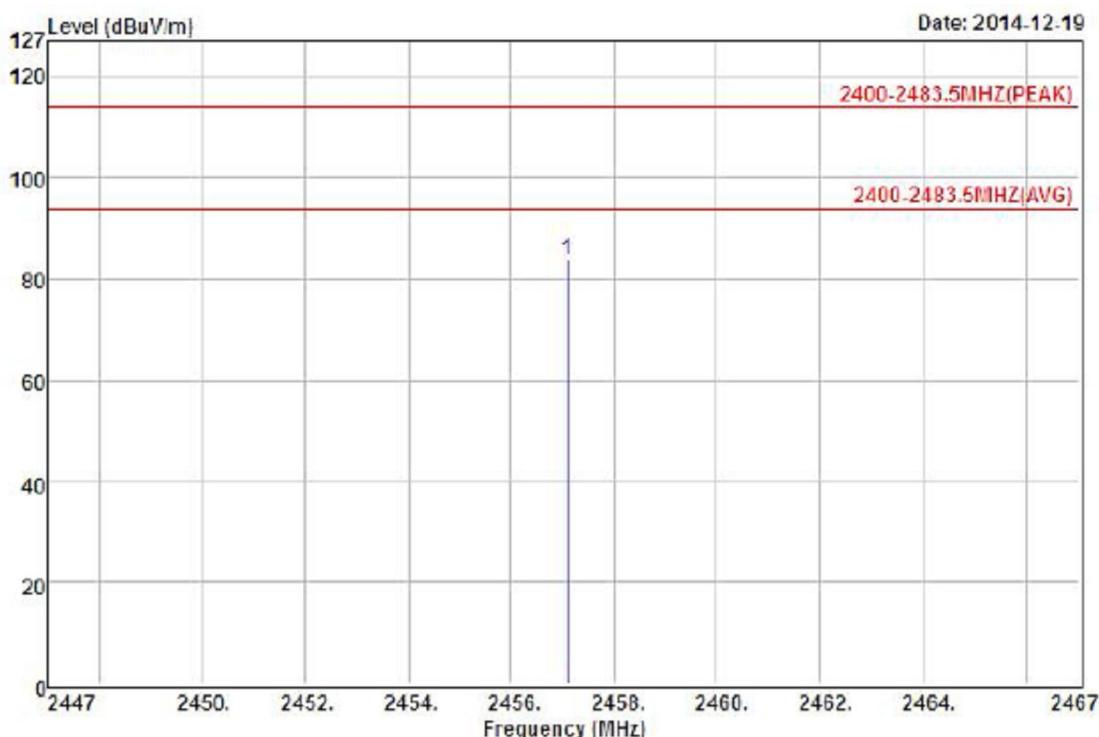
	Read	Over	Limit	
Freq	Level	Level	Factor	Limit
MHz	dBuV/m	dBuV	dB/m	dB
1	2457.10	79.88	94.93	-15.05 -34.12 114.00 Peak



Fundamental

Horizontal

X axis



Site : Radiation
Condition : 2400-2483.5MHZ(Peak) 3m AH-118(1-180)104 HORIZONTAL
EUT : 14090402
Power : DC 3.7V
Mode : Transmit
Temperature : 23
Humidity : 65
Memo : OFSK

Remarks: : 1. Result=Read Value+Factor
: 2. Factor=Antenna Factor+Cable loss-
: Amplifier Factor

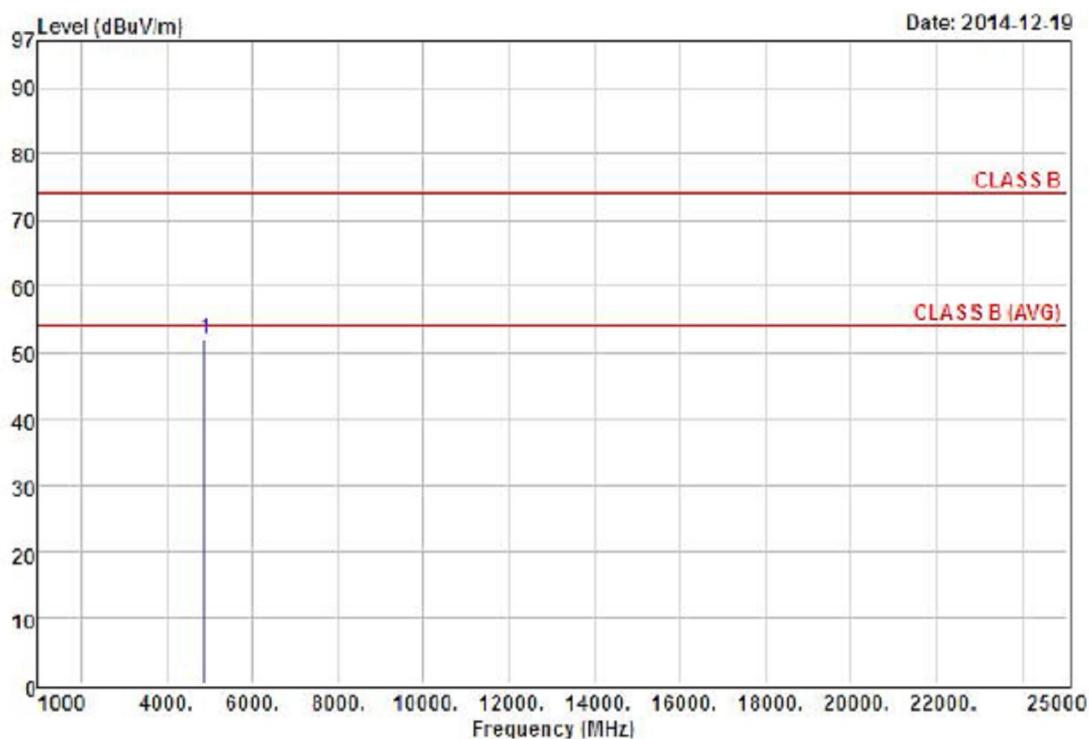
	Read	Over	Limit				
Freq	Level	Level	Factor	Limit	Line	Remark	
1	2457.10	83.82	98.87	-15.05	-30.18	114.00	Peak



Harmonics

Vertical

X axis



Site : Radiation
Condition : CLASS B 3m AH-118(1-180)104 VERTICAL
EUT : 14090402
Power : DC 3.7V
Mode : Transmit
Temperature : 23
Humidity : 65
Memo : OFSK

Remarks :
: 1. Result=Read Value+Factor
: 2. Factor=Antenna Factor+Cable loss-
: Amplifier Factor

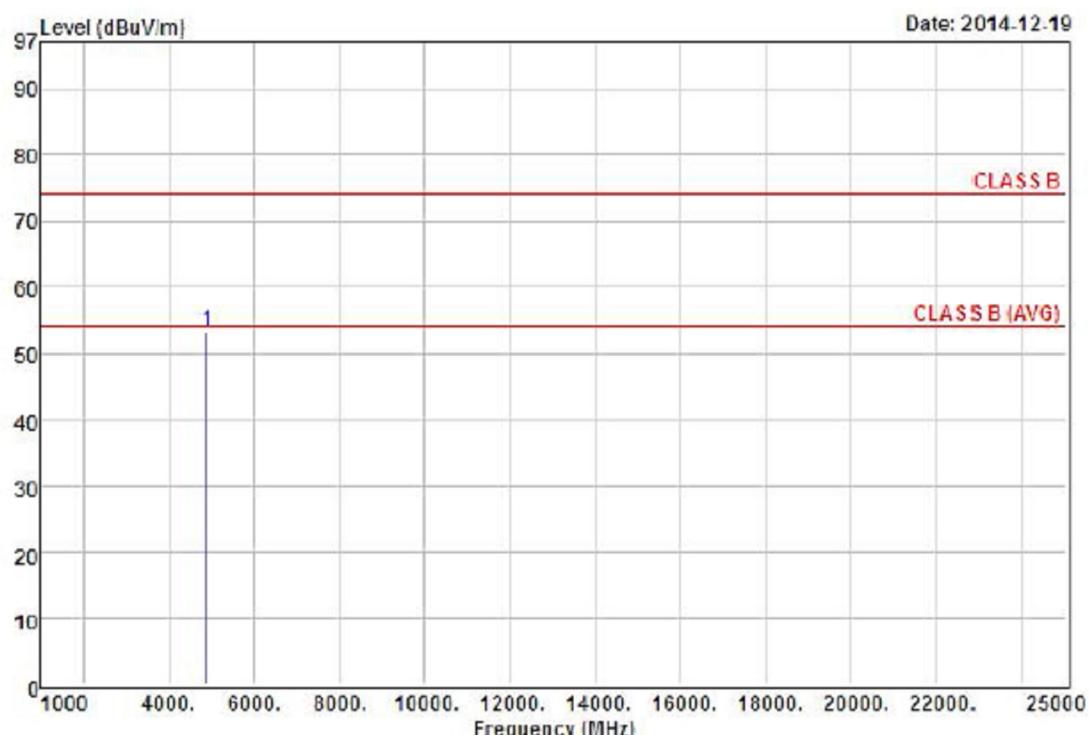
	Read Freq	Level MHz	Level dBuV/m	Factor	Over dB	Limit dB	Line dBuV/m	Remark
1	4913.90	52.01	58.98	-6.97	-21.99	74.00	Peak	



Harmonics

Horizontal

X axis



Site : Radiation
Condition : CLASS B 3m AH-118(1-180)104 HORIZONTAL
EUT : 14090402
Power : DC 3.7V
Mode : Transmit
Temperature : 23
Humidity : 65
Memo : GFSK

Remarks: : 1. Result=Read Value+Factor
: 2. Factor=Antenna Factor+Cable loss-
: Amplifier Factor

	Freq	Read Level	Level Factor	Over Limit	Line Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dBuV/m
1	4914.00	53.39	60.36	-6.97	-20.61	74.00 Peak



Note:

1. Emission level = Reading level + Correction factor
2. Correction factor : Antenna factor, Cable loss, Pre-Amp, etc.
3. All emissions as described above were determining by rotating the EUT through three orthogonal axes to maximizing the emissions if the EUT belongs to hand-held or body-worn devices.
4. Measurements above 1000 MHz, Peak detector setting:
1 MHz RBW with 1 MHz VBW (Peak Detector).
5. Measurements above 1000 MHz, Average detector setting:
1 MHz RBW with 1 MHz VBW (RMS Detector).
6. Peak detector measurement data will represent the worst case results.
7. “---” denotes the data which is not available.
8. Where limits are specified for both average and peak detector functions, if the peak measured value complies with the average limit, it is unnecessary to perform an average measurement.



6. SECTION 15.205 REQUIREMENTS (BAND EDGE)

6.1 TEST SETUP

Refer to paragraph 7.1.

6.2 LIMIT

Restricted Bands:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)
13.36 - 13.41			

Operation within the bands:

902 - 928 MHz, 2400 - 2483.5 MHz, 5725 - 5875 MHz, and 24.0 - 24.25 GHz.

Frequency (Hz)	Field Strength (μ V/m at 3-meter)	Field Strength (dB μ V/m at 3-meter)
1.705-30	30 (at 30-meter)	49.5
30-88	100	40
88-216	150	43
216-960	200	46
Above 960	500	54



6.3 RESULT: PASSED

6.4 TEST DATA:

<2400 MHz							Fundamental Frequency: 2457 MHz			
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dBuV/m)		Margin (dB)	Table Deg.	Ant High (m)
						Peak	Ave			
2398.90	H	66.08	-15.22	50.86	Peak	74	54	-23.14	158	1.00
---	H	---	---	---	Ave	74	54	---	---	---
>2483.5 MHz							Fundamental Frequency: 2457 MHz			
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dBuV/m)		Margin (dB)	Table Deg.	Ant High (m)
						Peak	Ave			
2483.68	H	68.89	-14.98	53.91	Peak	74	54	-20.09	159	1.00
---	H	---	---	---	Ave	74	54	---	---	---
2483.50	V	67.25	-14.98	52.27	Peak	74	54	-21.73	195	1.00
---	V	---	---	---	Ave	74	54	---	---	---

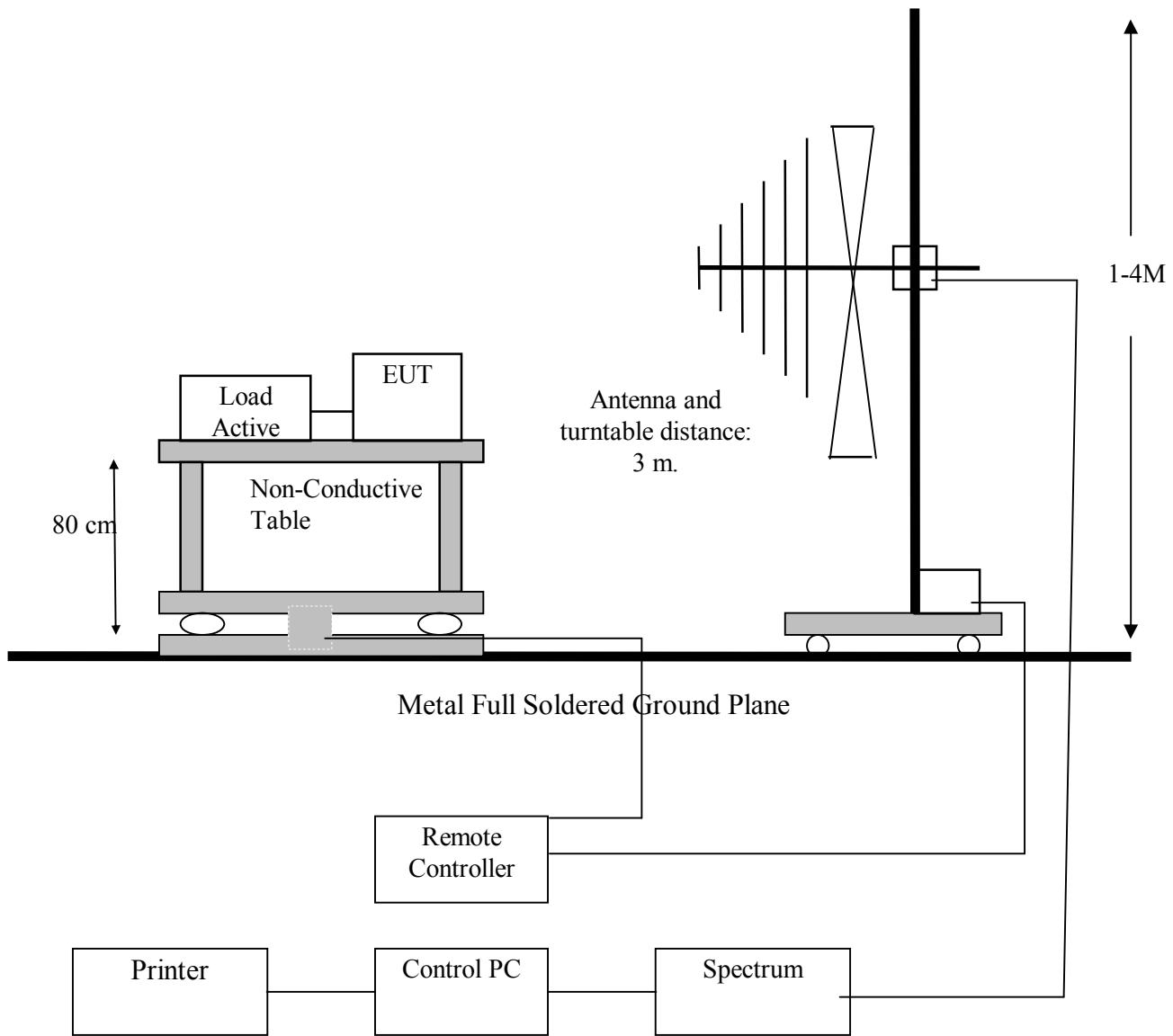
Note:

1. Emission level = Reading level + Correction factor
2. Correction factor : Antenna factor, Cable loss, Pre-Amp, etc.
3. All emissions as described above were determining by rotating the EUT through three orthogonal axes to maximizing the emissions if the EUT belongs to hand-held or body-worn devices.
4. Measurements above 1000 MHz, Peak detector setting:
1 MHz RBW with 1 MHz VBW (Peak Detector).
5. Measurements above 1000 MHz, Average detector setting:
1 MHz RBW with 1 MHz VBW (RMS Detector).
6. Peak detector measurement data will represent the worst case results.
7. Where limits are specified for both average and peak detector functions, if the peak measured value complies with the average limit, it is unnecessary to perform an average measurement.



7. SECTION 15.209 REQUIREMENTS (GENERAL RADIATED EMISSION)

7.1 TEST SETUP





7.2 LIMIT

The field strength of any emissions which appear outside of this band shall not exceed the general radiated emission limits in section 15.209 as below.

Frequency (MHz)	Field Strength (mV/m)	Measurement Distance (m)
1.705-30	30	30
30-88	100*	3
88-216	150*	3
216-960	200*	3
Above 960	500*	3

**Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.*

In the above emission table, the tighter limit applies at the band edges.

Frequency (Hz)	Field Strength (μV/m at 3-meter)	Field Strength (dBμV/m at 3-meter)
1.705-30	30 (at 30-meter)	49.5
30-88	100	40
88-216	150	43
216-960	200	46
Above 960	500	54



7.3 TEST PROCEDURE

1. The EUT was placed on a turntable, which was 0.8m above ground plane.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT was set at 3m away from the receiving antenna, which was varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was maximized by changing the polarization of receiving antenna, both horizontal and vertical.
6. Repeated above procedures until the measurements for all frequencies are completed.

7.4 RESULT: PASSED

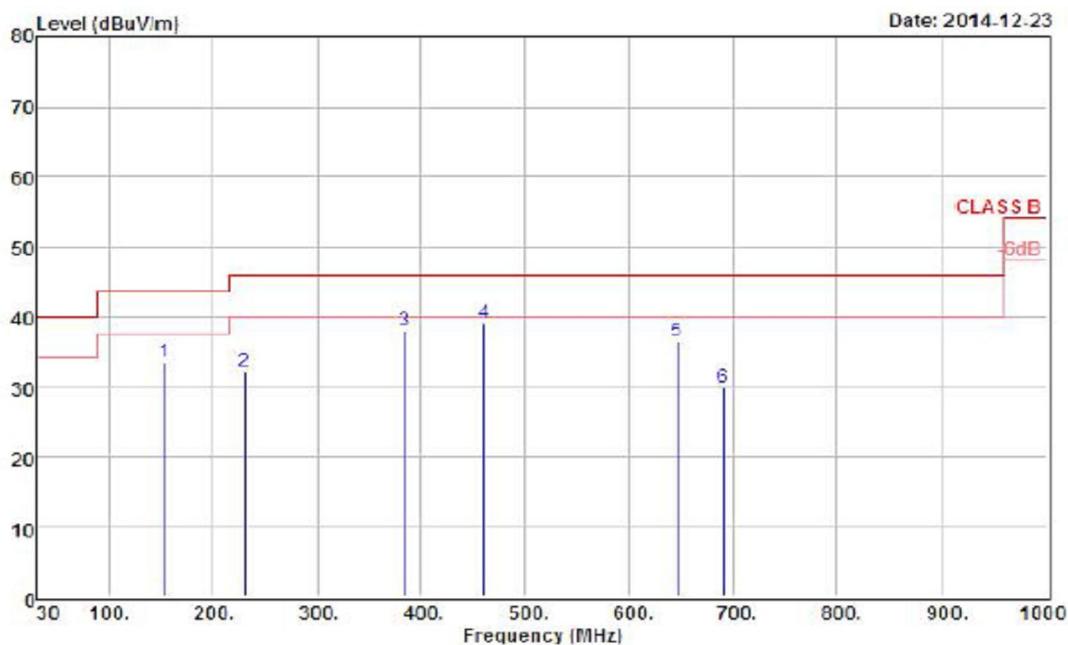


7.5 TEST DATA:

All frequencies not described in this test report and within the range of the general radiated emission limits are not detectable significantly. The table as below is representing worst emissions found.

Vertical

X axis



Site : open site
Condition : CLASS B 3m VULB9160(30-10)-104 VERTICAL
EUT : 14090402
Power : DC 3.7V
Mode : Transmit
Temperature : 23
Humidity : 65
Memo : QPSK

Remarks:

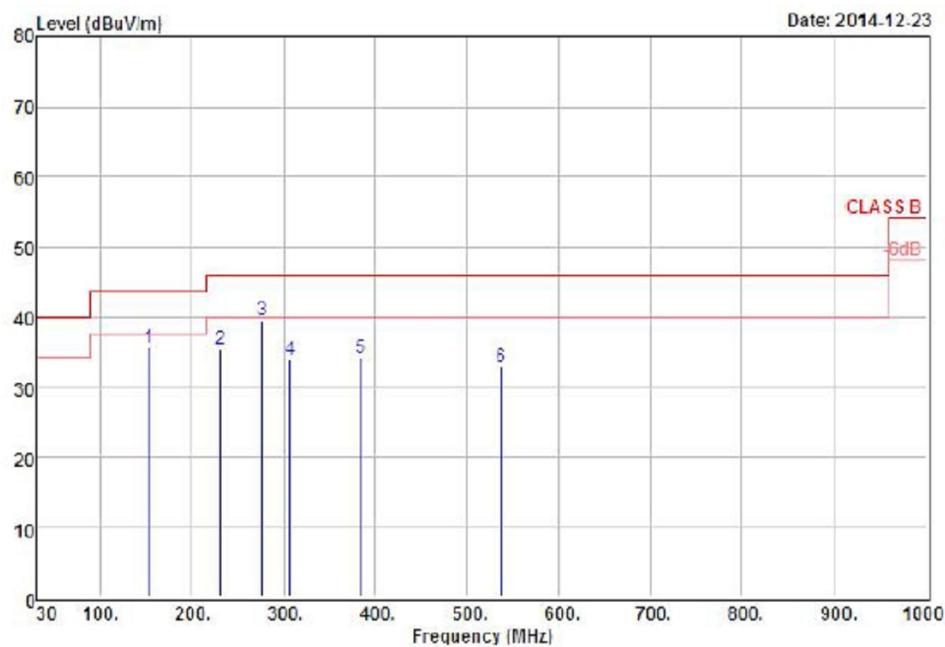
: 1.Result=Read Value+Factor
: 2.Factor=Antenna Factor+Cable loss-
: Amplifier Factor

Freq	Level	Read		Over Limit	Line	Remark	
		MHz	dBuV/m	Level	Factor	dB	dBuV/m
1	152.74	33.46	48.04	-14.58	-10.04	43.50	QP
2	229.48	32.15	48.25	-16.10	-13.85	46.00	QP
3	384.26	37.92	49.59	-11.67	-8.08	46.00	QP
4	460.19	39.07	48.35	-9.28	-6.93	46.00	QP
5	646.42	36.36	41.70	-5.34	-9.64	46.00	QP
6	690.23	29.75	32.15	-2.40	-16.25	46.00	QP



Horizontal

X axis



Site : open site
Condition : CLASS B 3m VULB9160(30-10)-104 HORIZONTAL
EUT : 14090402
Power : DC 3.7V
Mode : Transmit
Temperature : 23
Humidity : 65
Memo : QFSK

Remarks: : 1.Result=Read Value+Factor
: 2.Factor=Antenna Factor+Cable loss-
: Amplifier Factor

Freq	Read		Over Limit	Line Limit	Remark	
	Level	Level Factor				
MHz	dBuV/m	dBuV	dB/m	dB	dBuV/m	
1	153.57	35.58	50.12	-14.54	-7.92	43.50 QP
2	230.32	35.40	51.49	-16.09	-10.60	46.00 QP
3	275.94	39.37	54.02	-14.65	-6.63	46.00 QP
4	306.95	33.92	47.50	-13.58	-12.08	46.00 QP
5	384.39	34.04	45.71	-11.67	-11.96	46.00 QP
6	537.62	32.91	41.11	-8.20	-13.09	46.00 QP



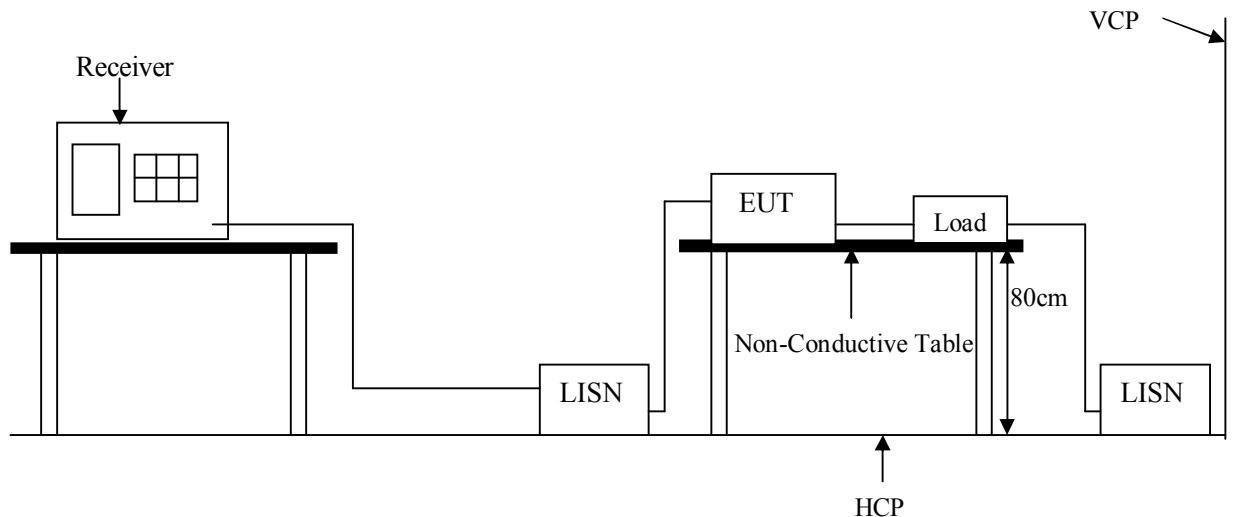
Note:

1. Emission level = Reading level + Correction factor
2. Correction factor : Antenna factor, Cable loss, Pre-Amp, etc.
3. All emissions as described above were determining by rotating the EUT through three orthogonal axes to maximizing the emissions if the EUT belongs to hand-held or body-worn devices.
4. Measurements from 9 kHz to 150 kHz, Peak detector setting: 100 Hz RBW
5. Measurements from 150 kHz to 30MHz, Peak detector setting: 10 kHz RBW
6. Measurements from 30 MHz to 1000 MHz, Peak detector setting: 100 kHz RBW
7. Measurements from 9 kHz to 150 kHz, CISPR Quasi-Peak detector: 200 Hz RBW
8. Measurements from 150 kHz to 30MHz, CISPR Quasi-Peak detector: 9 kHz RBW
9. Measurements from 30 MHz to 1000 MHz, CISPR Quasi-Peak detector: 120 kHz RBW
10. Peak detector measurement data will represent the worst case results.



8. SECTION 15.207 REQUIREMENTS (POWERLINE CONDUCTED EMISSIONS)

8.1 TEST SETUP



8.2 LIMIT

Frequency range (MHz)	CLASS B	
	QP dB(uV)	Average dB(uV)
0.15-0.5	66 - 56 dBuV	56 - 46 dBuV
0.5-5.0	56 dBuV	46 dBuV
5.0-30.0	60 dBuV	50 dBuV

Remark: In the above table, the tighter limit applies at the band edges.

8.3 TEST PROCEDURE

The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). It provides a 50 ohm / 50 μ H coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50 ohm / 50 μ H coupling impedance with 50 ohm termination. (Please refer to the block diagram of the test setup and photograph.)

Both sides of AC line are checked for the maximum conducted emission interference. In order to find the maximum emissions, the relating positions of equipment and all of the interference cables must be changed according to EN 55022 regulations: The measurement procedure on conducted emission interference.

The resolution bandwidth of the field strength meter is set at 9 KHz.



8.4 TEST SPECIFICATION

According to PART15.207

8.5 RESULT: PASSED

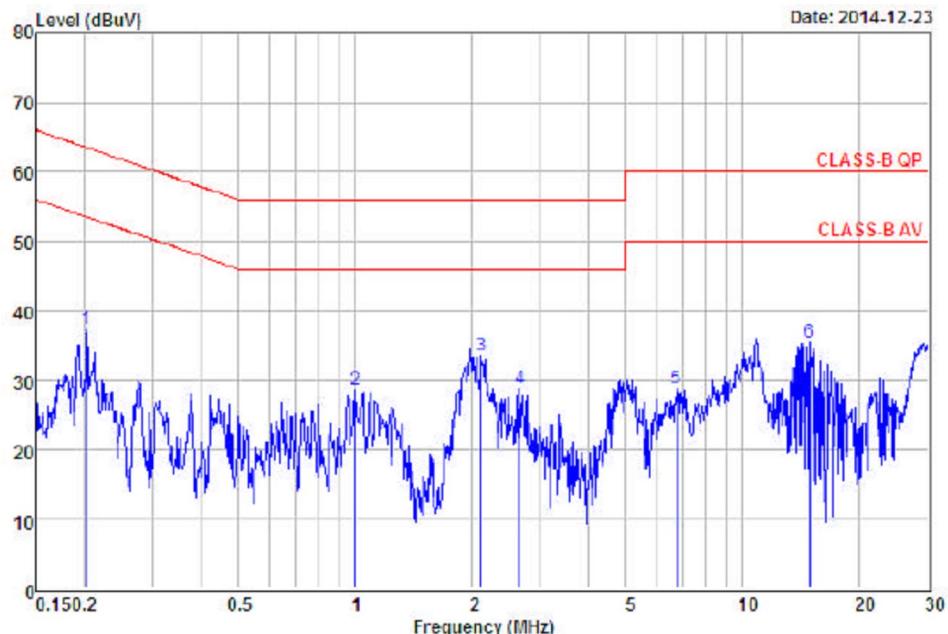
EMI Receiver/Spectrum Analyzer Configuration (for the frequencies tested)

Frequency Range:	150KHz--30MHz
Detector Function:	Quasi-Peak / Average Mode
Resolution Bandwidth:	9KHz



8.6 TEST DATA:

Power	:	From System	Pol/Phase	:	LINE
Test Mode 1	:	GFSK	Temperature	:	23 °C
Test Date	:	Dec. 23, 2014	Humidity	:	55 %
Memo	:	X axis			



Site : Conduction
Condition : CLASS-B QP CON-LISN(103) LINE

EUT : 14090402

Power : From System

Mode : GFSK

Temperature : 22

Humidity : 55

Memo : ANT+

Remarks : Factor=Insertion loss+Cable loss

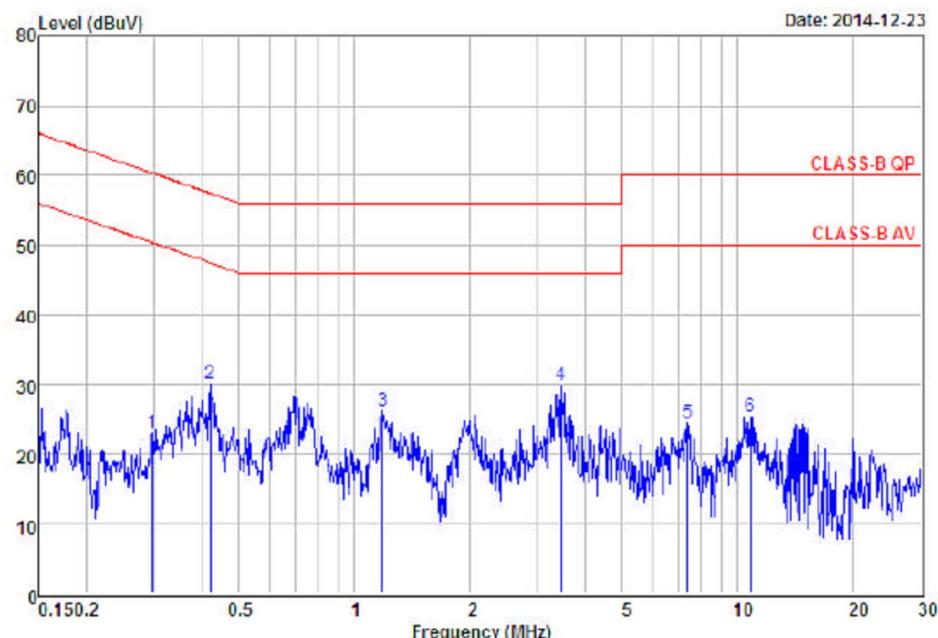
Freq	Level	Level	Factor	Over	Limit	Line	Remark
				dB	dB		
1	0.20	36.98	37.32	0.34	-26.17	63.49	Peak
2	1.00	28.18	28.56	0.38	-27.44	56.00	Peak
3	2.11	33.14	33.56	0.42	-22.44	56.00	Peak
4	2.65	28.26	28.70	0.44	-27.30	56.00	Peak
5	6.73	28.09	28.64	0.55	-31.36	60.00	Peak
6	14.83	34.83	35.50	0.67	-24.50	60.00	Peak



PEP Certification Corp.

Date of Issue: DEC. 26, 2014
Report No: F14090402

Power	:	From System	Pol/Phase	:	NEUTRAL
Test Mode 1	:	GFSK	Temperature	:	23 °C
Test Date	:	Dec. 23, 2014	Humidity	:	55 %
Memo	:	X axis			



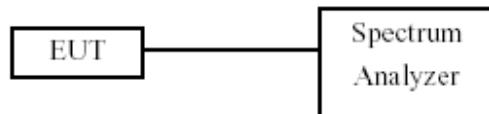
Site : Conduction
Condition : CLASS-B QP CON-LISN(103) NEUTRAL
EUT : 14090402
Power : From System
Mode : GFSK
Temperature : 22
Humidity : 55
Memo : ANT+

Freq	Level	Factor	Over	Limit	Line	Remark
			Read	Limit		
MHz	dBuV	dBuV	dB	dB	dBuV	
1	0.30	22.59	22.97	0.38	-37.35	60.32 Peak
2	0.42	29.66	30.05	0.39	-27.41	57.46 Peak
3	1.18	25.70	26.12	0.42	-29.88	56.00 Peak
4	3.45	29.41	29.91	0.50	-26.09	56.00 Peak
5	7.37	23.79	24.38	0.59	-35.62	60.00 Peak
6	10.79	24.76	25.41	0.65	-34.59	60.00 Peak



9. 20DB BANDWIDTH MEASUREMENT

9.1 TEST SETUP



9.2 LIMIT

N/A

9.3 TEST PROCEDURE

- a. The transmitter output was connected to the spectrum analyzer.
- b. Set RBW=30KHz and VBW=100KHz.
- c. The 20 dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20 dB.
- d. The 20 dB Bandwidth was measured and recorded.

9.4 RESULT: PASSED



9.5 TEST DATA

Test Date: DEC. 19, 2014

Temperature: 22°C

Atmospheric pressure: 1025 hPa

Humidity: 55%

Modulation Standard	Channel	Frequency (MHz)	20dB Bandwidth (MHz)
GFSK	1	2457	0.152

Modulation Standard: GFSK

Channel: 1

