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VERITAS

Test Report No.: RF140310N007



Test Lab
Cert 2951.01

TEST REPORT

Applicant	Sweda Ltd.
Address	8/F., Cheung Lung Ind. Bldg., 10 Cheung Yee Street, Cheung Sha Wan, Kowloon Hong Kong

Manufacturer or Supplier	Sweda (Shenzhen) Electronics Co. Ltd.
Address	Block C, Lian Tang Chun Wei Ind. Bldg Lian Tong, Luo Hu, Shenzhen, Guangdong, China
Product	Bluetooth Watch
Brand Name	N/A
Model	QWAS0171
Additional Model & Model Difference	N/A
Date of tests	Mar. 11 ~ Mar. 20, 2014

The submitted sample of the above equipment has been tested according to the requirements of the following standards:

FCC Part 15, Subpart C, Section 15.249(2012-10)

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Venless Long Project Engineer / EMC Department	Approved by Glyn He Supervisor / EMC Department

Date: Mar. 20, 2014

This report is for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. Unless specific mention, the uncertainty of measurement has been explicitly taken into account to declare the compliance or non-compliance to the specification



BUREAU
VERITAS

Test Report No.: RF140310N007

TABLE OF CONTENTS

RELEASE CONTROL RECORD	3
1 SUMMARY OF TEST RESULTS.....	4
2 MEASUREMENT UNCERTAINTY.....	4
3 GENERAL INFORMATION	5
3.1 GENERAL DESCRIPTION OF EUT	5
3.2 DESCRIPTION OF TEST MODES	6
3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS	7
3.4 DESCRIPTION OF SUPPORT UNITS	7
4 TEST TYPES AND RESULTS.....	8
4.1 RADIATED EMISSION MEASUREMENT	8
4.1.1 LIMITS OF RADIATED EMISSION MEASUREMENT.....	8
4.1.2 TEST INSTRUMENTS	9
4.1.3 TEST PROCEDURES.....	10
4.1.4 DEVIATION FROM TEST STANDARD	11
4.1.5 TEST SETUP	11
4.1.6 EUT OPERATING CONDITIONS.....	11
4.1.7 TEST RESULTS	12
4.2 20dB BANDWIDTH MEASUREMENT.....	17
4.2.1 LIMITS OF 20dB BANDWIDTH MEASUREMENT.....	17
4.2.2 TEST INSTRUMENTS.....	17
4.2.3 TEST PROCEDURE	17
4.2.4 DEVIATION FROM TEST STANDARD	17
4.2.5 TEST SETUP	18
4.2.6 EUT OPERATING CONDITIONS	18
4.2.7 TEST RESULTS	18
5 PHOTOGRAPHS OF THE TEST CONFIGURATION	21
6 APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB.....	22



BUREAU
VERITAS

Test Report No.: RF140310N007

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF140310N007	Original release	Mar. 20, 2014



BUREAU
VERITAS

Test Report No.: RF140310N007

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART C (SECTION 15.249)			
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	REMARK
§15.203	Antenna Requirement	PASS	Compliant
§15.207 (a)	Conducted Emission	N/A	EUT is powered by battery
§15.205	Restricted Band of Operation	PASS	Compliant
§15.209 §15.249(a)	Radiated Emission	PASS	Compliant
§15.215(c)	20dB Bandwidth Test	PASS	Compliant

2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	9kHz~30MHz	2.67dB
Radiated emissions	9KHz ~ 30MHz	2.74dB
	30MHz ~ 1GHz	4.81dB
	1GHz ~ 18GHz	4.3dB
	18GHz ~ 40GHz	1.94dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.



BUREAU
VERITAS

Test Report No.: RF140310N007

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Bluetooth Watch
TEST MODEL	QWAS0171
FCC ID	RVX-QWAS0171
NOMINAL VOLTAGE	3V from Battery
MODULATION TECHNOLOGY	FHSS
MODULATION TYPE	BT-LE(GFSK)
BLUETOOTH VERSION	Bluetooth V4.0
OPERATING FREQUENCY	2402-2480MHz
ANTENNA TYPE	Chip Antenna, 0.5dBi gain
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	N/A

NOTE:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. For the test results, the EUT had been tested with all conditions, but only the worst case was shown in test report.
3. Please refer to the EUT photo document (Reference No.:140310N007) for detailed product photo.



BUREAU
VERITAS

Test Report No.: RF140310N007

3.2 DESCRIPTION OF TEST MODES

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and packet type. The EUT was tested under the following modes, and the final worst is marked in boldface and recorded in the report.

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE<1G	RE≥1G	PLC	BW	
A	√	√	-	√	Powered by Battery with Bluetooth link

Where RE<1G: Radiated Emission below 1GHz
 PLC: Power Line Conducted Emission

RE≥1G: Radiated Emission above 1GHz
BW: 20db bandwidth

Following channel(s) was (were) selected for the test as listed below:

40 channels are provided for BT-LE(GFSK):

CHANNEL	FREQ. (MHZ)	CHANNEL	FREQ. (MHZ)	CHANNEL	FREQ. (MHZ)	CHANNEL	FREQ. (MHZ)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

Following channel(s) was (were) selected for the final test as listed below.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
BT-LE	0 to 39	0,19,39	FHSS	BT-LE(GFSK)	1



BUREAU
VERITAS

Test Report No.: RF140310N007

3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart C, Section 15.249(2012-10)

ANSI C63.10-2009

All test items have been performed and recorded as per the above standards.

NOTE: It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (Verification). The test report has been issued separately.

3.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	N/A	N/A	N/A	N/A	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	N/A



BUREAU
VERITAS

Test Report No.: RF140310N007

4 TEST TYPES AND RESULTS

4.1 RADIATED EMISSION MEASUREMENT

4.1.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

FREQUENCIES (MHz)	FIELD STRENGTH (microvolts/meter)	MEASUREMENT DISTANCE (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

According to §15.249(a), the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental Frequency	Field strength of fundamental (milli-volts/meter)	Field strength of harmonics (micro-volts/meter)
902-928 MHz	50	500
2400-2483.5 MHz	50	500
5725-5875 MHz	50	500
24.0-24.25 GHz	250	2500

The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply.

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.



BUREAU
VERITAS

Test Report No.: RF140310N007

4.1.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Spectrum Analyzer	Agilent	E4446A	MY46180622	Apr. 24, 13	Apr. 23, 14
EMI Test Receiver	Rohde&Schwarz	ESVD	847398/003	May 14, 13	May 13, 14
Loop antenna (9kHz~30MHz)	Daze	ZN30900A	0708	Dec. 05, 13	Dec. 04, 14
Bilog Antenna (20MHz -2GHz)	Teseq	CBL 6111D	27089	Jul. 27, 13	Jul. 26, 14
Horn Antenna (1GHz -18GHz)	ETS -Lindgren	3117	00062558	Oct. 18, 12	Oct. 17, 14
Horn Antenna (15GHz-40GHz)	SCHWARZBECK	BBHA 9170	BBHA9170242	Feb.13, 14	Feb.12, 15
Pre-Amplifier (9kHz~1GHz)	SONOMA	310D	186955	Mar. 06, 14	Mar. 05, 15
Pre-Amplifier (100MHz-26.5GHz)	Agilent	8449B	3008A00409	May 14, 13	May 13, 14
Pre-Amplifier (18GHz-40GHz)	EMCI	EMC 184045	980102	Nov. 04, 13	Nov. 03, 14
10m Semi-anechoic Chamber	CHANGLING	21.4m*12.1m*8 .8m	NSEMC006	Mar. 24, 13	Mar. 23, 14
Digital Multimeter	FLUKE	15B	A1220010DG	Oct. 30, 13	Oct. 29, 14
Test Software	ADT	ADT_Radiated _V7.6.15	N/A	N/A	N/A

NOTE:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRRG/CHINA and NIM/CHINA.
2. The test was performed in 10m Chamber.
3. The horn antenna are used only for the measurement of emission frequency above 1GHz if tested.
4. The FCC Site Registration No. is 502831.



4.1.3 TEST PROCEDURES

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver/spectrum system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

NOTE:

- 1 The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
- 2 The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
- 3 Bluetooth duty factor correction is not correct as it is based on 79 channels, worst case would be with AFH enabled and device using the minimum of 20 channels. In this case the dwell time for a DH5 packet is $0.625 * 5$ per 75ms, (assuming one DH5 packet transmitted and then a DH1 packet received, 20 channels to cycle through would take 75ms on average before repeating a channel) so in any 100ms there would be, on average, two DH5 packets = 6.25ms per 100ms
Therefore, the duty cycle correction factor be equal to: $20\log(6.25 / 100) = -24.1$ dB.
Average value = peak reading + $20\log(\text{duty cycle})$.
- 4 All modes of operation were investigated and the worst-case emissions are reported.



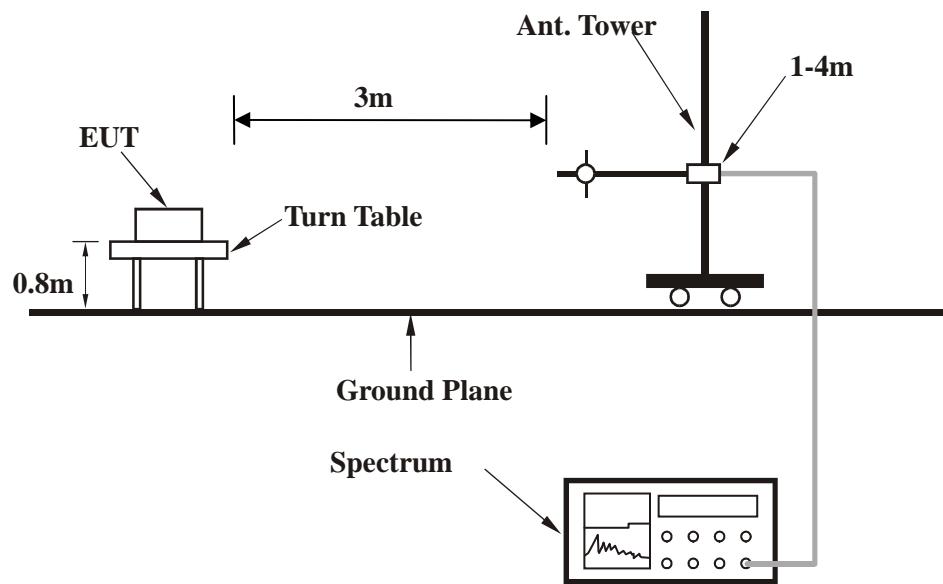
BUREAU
VERITAS

Test Report No.: RF140310N007

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 TEST SETUP



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.6 EUT OPERATING CONDITIONS

Set the EUT under transmission condition continuously at specific channel frequency.



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VERITAS

Test Report No.: RF140310N007

4.1.7 TEST RESULTS

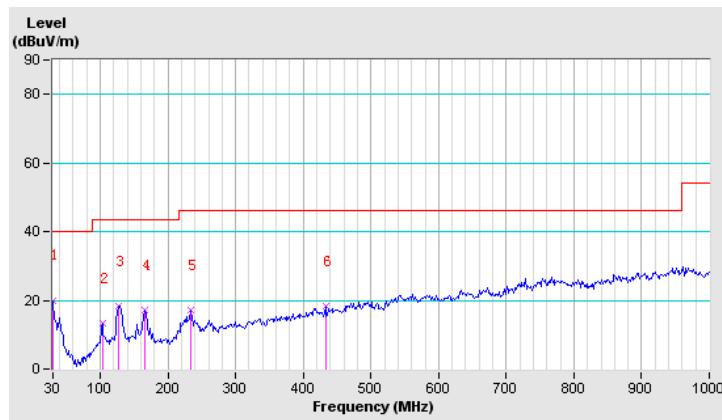
BELOW 1GHz WORST-CASE DATA: BT-LE GFSK DH5

CHANNEL	TX Channel 0	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	30.00	20.0 QP	40.0	-20.0	1.00 H	88	0.18	19.84
2	102.75	13.5 QP	43.5	-30.0	1.00 H	103	1.59	11.90
3	127.00	18.3 QP	43.5	-25.2	1.00 H	116	4.78	13.54
4	165.80	17.3 QP	43.5	-26.2	1.00 H	130	5.18	12.09
5	233.70	17.0 QP	46.0	-29.0	1.00 H	147	4.31	12.70
6	432.55	18.4 QP	46.0	-27.6	1.00 H	166	-1.99	20.36

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. For the test results, the EUT had been tested from 9KHz ~25GHz. But only the worst case was shown in test report.





BUREAU
VERITAS

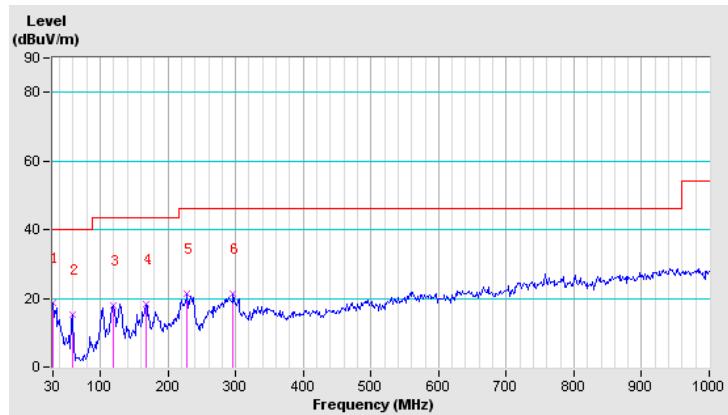
Test Report No.: RF140310N007

CHANNEL	TX Channel 0	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	30.00	18.5 QP	40.0	-21.5	1.00 V	326	-1.30	19.84
2	59.10	15.1 QP	40.0	-24.9	1.00 V	313	8.73	6.35
3	118.92	18.0 QP	43.5	-25.6	1.00 V	299	4.49	13.46
4	167.42	18.4 QP	43.5	-25.1	1.00 V	276	6.48	11.92
5	228.85	21.3 QP	46.0	-24.7	1.00 V	258	8.87	12.39
6	296.75	21.3 QP	46.0	-24.8	1.00 V	246	5.23	16.02

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. For the test results, the EUT had been tested from 9KHz ~25GHz. But only the worst case was shown in test report.





BUREAU
VERITAS

Test Report No.: RF140310N007

ABOVE 1GHz WORST-CASE DATA: BT-LE GFSK DH5

CHANNEL	Channel 0	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2400.00	47.4 PK	74.0	-26.6	1.00 H	171	8.94	38.46
2	2400.00	35.6 AV	54.0	-18.4	1.00 H	171	-2.86	38.46
3	*2402.00	72.5 PK	114.0	-41.5	1.00 H	171	34.04	38.46
4	*2402.00	71.5 AV	94.0	-22.5	1.00 H	171	33.04	38.46
5	4804.00	52.3 PK	74.0	-21.7	1.00 H	260	8.83	43.47
6	4804.00	40.8 AV	54.0	-13.2	1.00 H	260	-2.67	43.47
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2400.00	49.6 PK	74.0	-24.4	1.00 V	220	11.14	38.46
2	2400.00	38.4 AV	54.0	-15.6	1.00 V	220	-0.06	38.46
3	*2402.00	73.5 PK	114.0	-40.5	1.00 V	220	35.04	38.46
4	*2402.00	72.4 AV	94.0	-21.6	1.00 V	220	33.94	38.46
5	4804.00	52.1 PK	74.0	-21.9	1.00 V	155	8.63	43.47
6	4804.00	39.5 AV	54.0	-14.5	1.00 V	155	-3.97	43.47

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.



BUREAU
VERITAS

Test Report No.: RF140310N007

CHANNEL	Channel 19	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2440.00	72.2 PK	114.0	-41.8	1.00 H	162	33.66	38.54
2	2440.00	71.0 AV	94.0	-23.0	1.00 H	162	32.46	38.54
3	4880.00	51.3 PK	74.0	-22.7	1.00 H	120	7.75	43.55
4	4880.00	38.4 AV	54.0	-15.6	1.00 H	120	-5.15	43.55
5	7320.00	56.6 PK	74.0	-17.4	1.00 H	60	8.54	48.06
6	7320.00	42.8 AV	54.0	-11.2	1.00 H	60	-5.26	48.06

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2440.00	69.5 PK	114.0	-44.5	1.00 V	97	30.96	38.54
2	2440.00	65.4 AV	94.0	-28.6	1.00 V	97	26.86	38.54
3	4880.00	50.8 PK	74.0	-23.2	1.00 V	155	7.25	43.55
4	4880.00	38.5 AV	54.0	-15.5	1.00 V	155	-5.05	43.55
5	7320.00	55.9 PK	74.0	-18.1	1.00 V	290	7.84	48.06
6	7320.00	43.8 AV	54.0	-10.2	1.00 V	290	-4.26	48.06

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.



BUREAU
VERITAS

Test Report No.: RF140310N007

CHANNEL	Channel 39	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2480.00	73.5 PK	114.0	-40.5	1.00 H	165	34.87	38.63
2	2480.00	72.4 AV	94.0	-21.6	1.00 H	165	33.77	38.63
3	2483.50	51.3 PK	74.0	-22.7	1.00 H	165	12.66	38.64
4	2483.50	37.6 AV	54.0	-16.4	1.00 H	165	-1.04	38.64
5	4960.00	53.6 PK	74.0	-20.4	1.00 H	220	9.97	43.63
6	4960.00	42.1 AV	54.0	-11.9	1.00 H	220	-1.53	43.63
7	7440.00	59.4 PK	74.0	-14.6	1.00 H	288	11.25	48.15
8	7440.00	47.2 AV	54.0	-6.8	1.00 H	288	-0.95	48.15

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2480.00	74.5 PK	114.0	-39.5	1.00 V	230	35.87	38.63
2	2480.00	72.9 AV	94.0	-21.1	1.00 V	230	34.27	38.63
3	2483.50	53.2 PK	74.0	-20.8	1.00 V	230	14.56	38.64
4	2483.50	41.5 AV	54.0	-12.5	1.00 V	230	2.86	38.64
5	4960.00	52.3 PK	74.0	-21.7	1.00 V	88	8.67	43.63
6	4960.00	40.2 AV	54.0	-13.8	1.00 V	88	-3.43	43.63
7	7440.00	56.6 PK	74.0	-17.4	1.00 V	355	8.45	48.15
8	7440.00	44.7 AV	54.0	-9.3	1.00 V	355	-3.45	48.15

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.



4.2 20dB BANDWIDTH MEASUREMENT

4.2.1 LIMITS OF 20dB BANDWIDTH MEASUREMENT

According to FCC 15.215(c), must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

4.2.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Signal Analyzer	Rohde&Schwarz	FSV7	102331	Nov. 25,13	Nov. 24,14
Spectrum Analyzer (9KHz-25GHz)	Agilent	E7405A	MY45118807	May 14,13	May 13,14
Digital Multimeter	FLUKE	15B	A1220010DG	Oct. 31,13	Oct. 30,14
Bluetooth tester	Rohde&Schwarz	CBT	100325	N/A	N/A

NOTE:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
2. The test site was performed in RF OVEN room

4.2.3 TEST PROCEDURE

- a. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- b. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
- c. Measure the frequency difference of two frequencies that were attenuated 20dB from the reference level. Record the frequency difference as the emission bandwidth.
- d. Repeat above procedures until all frequencies measured were complete.

4.2.4 DEVIATION FROM TEST STANDARD

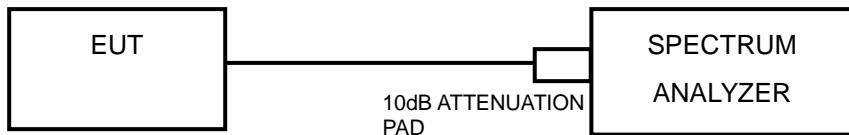
No deviation.



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Test Report No.: RF140310N007

4.2.5 TEST SETUP



4.2.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.2.7 TEST RESULTS

BT-LE GFSK

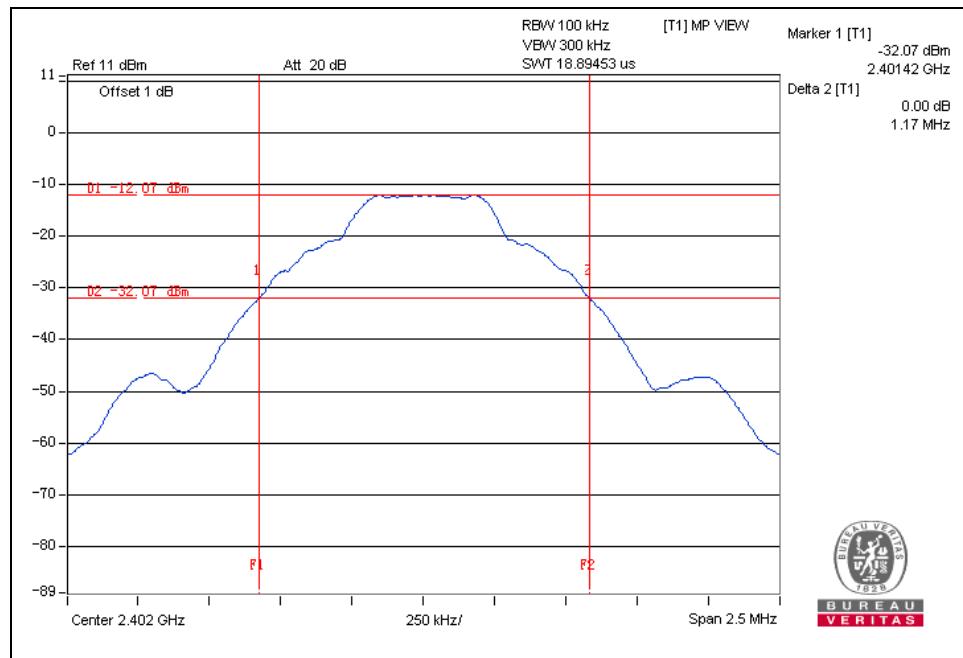
CHANNEL	CHANNEL FREQUENCY (MHz)	20dB BANDWIDTH (MHz)
Low	2402	1.17
Middle	2440	1.16
High	2480	1.15



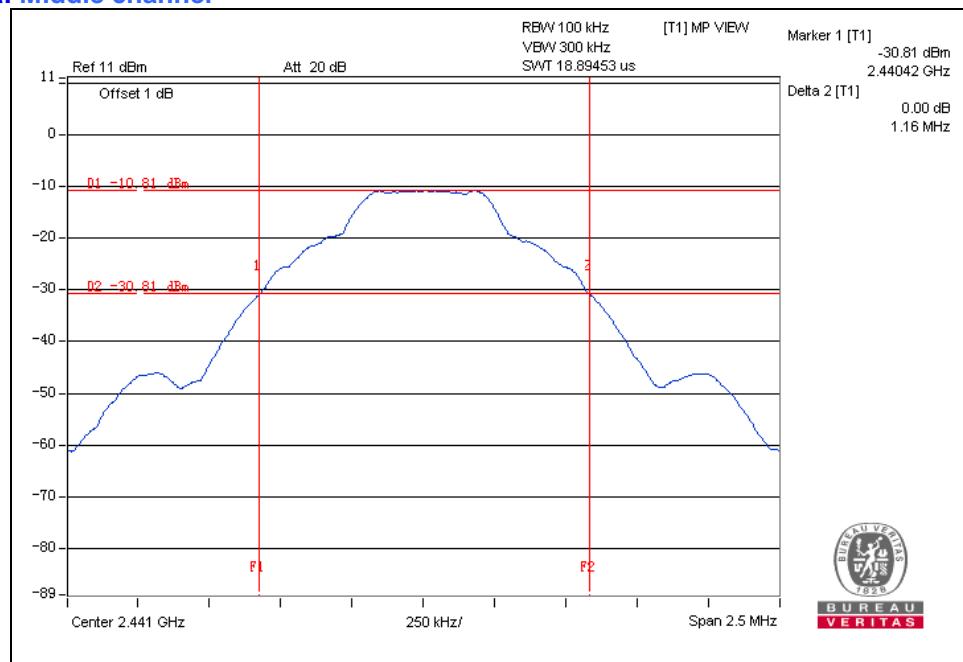
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Test Report No.: RF140310N007

Test Data: Low channel



Test Data: Middle channel

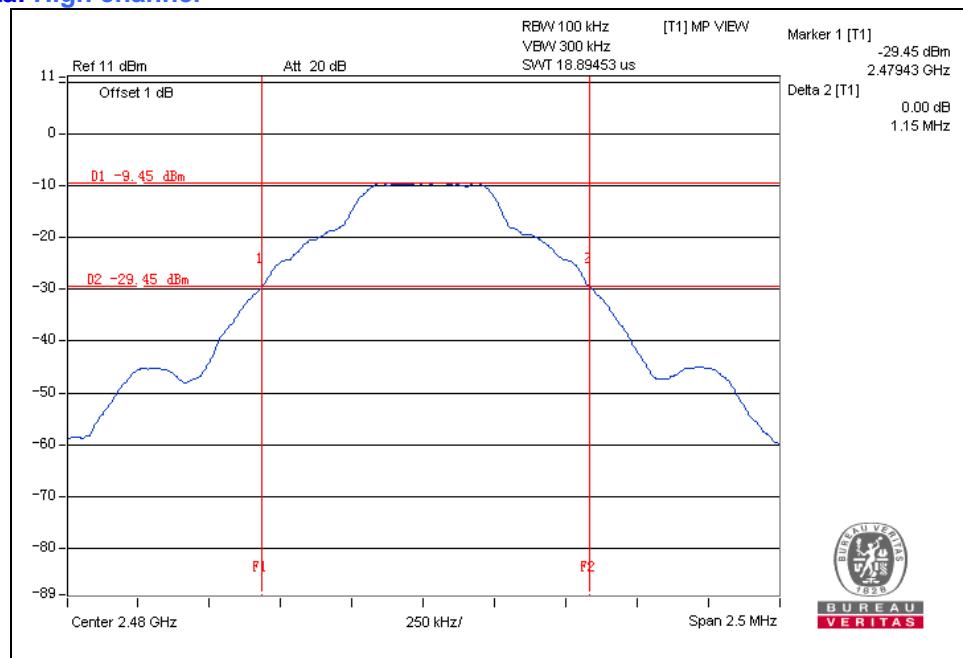




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Test Report No.: RF140310N007

Test Data: High channel





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Test Report No.: RF140310N007

5 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).



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Test Report No.: RF140310N007

6 APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.

---END---