

Prüfbericht-Nr.: <i>Test Report No.:</i>	17042741 001	Auftrags-Nr.: <i>Order No.:</i>	164020202	Seite 1 von 47 <i>Page 1 of 47</i>	
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	21.08.2014		
Auftraggeber: <i>Client:</i>	JDSU Uniphase Corporation, 1100 Perimeter Park Drive, Suite 101, Morrisville, NC 27560				
Prüfgegenstand: <i>Test item:</i>	WiFi Advisor				
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	WFED-300AC				
Auftrags-Inhalt: <i>Order content:</i>	FCC approval				
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart C Section 15.209 CFR47 FCC Part 15: Subpart B Section 15.107 CFR47 FCC Part 15: Subpart B Section 15.109				
Wareneingangsdatum: <i>Date of receipt:</i>	18.09.2014				
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000135548-001, A000135548-002				
Prüfzeitraum: <i>Testing period:</i>	20.09.2014 - 03.12.2014				
Ort der Prüfung: <i>Place of testing:</i>	Accurate Technology Co., Ltd.				
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.				
Prüfergebnis*: <i>Test result*:</i>	Pass				
geprüft von / tested by: <i>Tom Wang</i>	kontrolliert von / reviewed by: <i>Sam Lin</i>				
05.12.2014	Tom Wang / Assistant Project Manager		10.12.2014	Sam Lin / Senior Project Manager	
Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>	Unterschrift <i>Signature</i>
Sonstiges / Other: This report is for DSS equipment class.					
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>			Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(all) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(all) = failed a.m. test specification(s) N/A = not applicable N/T = not tested					
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. <i>This test report only 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 test mark.</i>					

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## TEST SUMMARY

**5.1.1 ANTENNA REQUIREMENT**

*RESULT: Passed*

**5.1.2 PEAK OUTPUT POWER**

*RESULT: Passed*

**5.1.3 20dB BANDWIDTH AND 99% BANDWIDTH**

*RESULT: Passed*

**5.1.4 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH**

*RESULT: Passed*

**5.1.5 SPURIOUS EMISSIONS**

*RESULT: Passed*

**5.1.6 FREQUENCY SEPARATION**

*RESULT: Passed*

**5.1.7 NUMBER OF HOPPING FREQUENCY**

*RESULT: Passed*

**5.1.8 TIME OF OCCUPANCY**

*RESULT: Passed*

**5.1.9 RADIATED EMISSIONS**

*RESULT: Passed*

**5.1.10 CONDUCTED EMISSIONS**

*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 A: Test Results of Bluetooth mode

## 2. Test Sites

### 2.1 Test Facilities

Accurate Technology Co., Ltd.  
(FCC Registration No.: 752051 & IC Registration Number: 5077A-2)

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

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

## 2.2 List of Test and Measurement Instruments

**Table 1: List of Test and Measurement Equipment**

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
<b>Radio Spectrum Test</b>				
Spectrum Analyzer	Rohde&Schwarz	FSV40	101495	Jan.11, 2015
Test Receiver	Rohde & Schwarz	ESR	101817	Jul. 30, 2015
Spectrum Analyzer	Rohde&Schwarz	FSP30	100220	Jan.21, 2015
Power Meter	Rohde&Schwarz	NRP	100970	Jan. 21.2015
Power Sensor	Rohde&Schwarz	NRP-Z11	103642	Jan. 21.2015
<b>Conducted emissions</b>				
Test Receiver	Rohde & Schwarz	ESCS30	100307	Jan.11, 2015
L.I.S.N.	Schwarzbeck	NLSK8126	8126431	Jan.11, 2015
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100305	Jan.11, 2015
<b>Radiated emissions</b>				
Spectrum Analyzer	Rohde&Schwarz	FSV40	101495	Jan.11, 2015
Test Receiver	Rohde & Schwarz	ESR	101817	Jul. 30, 2015
Bilog Antenna	Schwarzbeck	VULB9163	9163-194	Jan.15, 2015
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan.15, 2015
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan.11, 2015
RF Switching Unit+PreAMP	Compliance Direction	RSU-M2	38322	Jan.11, 2015
Pre-Amplifier	Agilent	8447D	294A10619	Jan.11, 2015
Pre-Amplifier	Rohde&Schwarz	CBLU1183540-01	3791	Jan.11, 2015

## 2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, to equivalent nationally recognized standards organizations.

## 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

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table,

Items		Extended Uncertainty
CE	Disturbance Voltage (dBuV)	U=1.94dB, 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 at Appendix1 of 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, P.R. China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

## 3. General Product Information

### 3.1 Product Function and Intended Use

The EUT is Wireless LAN Analyzer provides a complete, multi-dimensional map of real WiFi performance, highlighting margin and resiliency of WiFi connections at multiple locations within a site. It includes intuitive tools to quickly optimize and troubleshoot the in-home WiFi network. It provides valuable performance information to the end-user to help reduce unnecessary trouble calls and repeats.

For details refer to the User Manual, Technical Description and Circuit Diagram.

### 3.2 Ratings and System Details

Table 2: Technical Specification of EUT

Technical Specification	Value
Kind of Equipment:	WiFi Advisor
Type Designation:	WFED-300AC
FCC ID:	WUW22073946
IC:	9613A-22073946
Type of Equipment:	Class A digital equipment
Equipment Class:	DSS
Wireless Technology:	Bluetooth 4.0
Operating Frequency Range:	2402-2480MHz for Bluetooth
Channel Number:	79 channels for Bluetooth 4.0
Channel Separation:	1MHz for Bluetooth 4.0
Type of Modulation:	GFSK, 8PSK, π/4QDPSK for Bluetooth 4.0
Operating Voltage:	DC 12V via marketed AC/DC adapter DC 7.2V via Lithium-ion battery
Operating Temperature Range:	0°C to 40°C
Antenna Type:	PCB Antenna for Bluetooth
Smart Antenna Systems:	Not Applicable
Number of Antenna:	1 for Bluetooth
Antenna Gain:	Max. 3.2dBi for Bluetooth

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**Table 3: Marketed AC/DC adapter**

Description	Manufacturer	Model	S/N	Rating
AC/DC adapter	Universal Microelectronics	UP0351E-12P	C0192215468LG	Input: AC 100-240V, 50/60Hz, 0.8A MAX. Output: DC 12V, 3.0A

**Table 4: List of Radio Frequency Channel, Bluetooth 4.0**

RF Channel	Frequency (MHz)						
0	2402.00	21	2423.00	42	2444.00	63	2465.00
1	2403.00	22	2424.00	43	2445.00	64	2466.00
2	2404.00	23	2425.00	44	2446.00	65	2467.00
3	2405.00	24	2426.00	45	2447.00	66	2468.00
4	2406.00	25	2427.00	46	2448.00	67	2469.00
5	2407.00	26	2428.00	47	2449.00	68	2470.00
6	2408.00	27	2429.00	48	2450.00	69	2471.00
7	2409.00	28	2430.00	49	2451.00	70	2472.00
8	2410.00	29	2431.00	50	2452.00	71	2473.00
9	2411.00	30	2432.00	51	2453.00	72	2474.00
10	2412.00	31	2433.00	52	2454.00	73	2475.00
11	2413.00	32	2434.00	53	2455.00	74	2476.00
12	2414.00	33	2435.00	54	2456.00	75	2477.00
13	2415.00	34	2436.00	55	2457.00	76	2478.00
14	2416.00	35	2437.00	56	2458.00	77	2479.00
15	2417.00	36	2438.00	57	2459.00	78	2480.00
16	2418.00	37	2439.00	58	2460.00	--	--
17	2419.00	38	2440.00	59	2461.00	--	--
18	2420.00	39	2441.00	60	2462.00	--	--
19	2421.00	40	2442.00	61	2463.00	--	--
20	2422.00	41	2443.00	62	2464.00	--	--

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**Table 5: Frequency hopping information**

Technical Specification	Description
Hopping Range	Hereby we declare that the maximum frequency of this device is: 2402-2480MHz. This is according the Bluetooth Core Specification for devices which will be operated in the USA. This was checked during the Bluetooth Qualification tests (Test Case: TRM/CA/04-E).
Hopping Sequence	Example of a 79 hopping sequence in data mode: 33,04,21,44,23,42,53,46,55,48,40,59,72,29,76,31,08,73, 07,75,09,45,60,39,58,13,47,11,77,52,35,50,65,54,67,56, 69,62,71,64, 7,25,27,66,57,70,74,61,78,63,10,41,05,43, 15,44,64,68,02,70,06,01,51,03,55,05,03,66,53,49,36,47,
Receiver input bandwidth	<p>The input bandwidth of the receiver is 1MHz. In every connection one Bluetooth device is the master and the other one is the slave. The master determines the hopping sequence. The slave follows this sequence. Both devices shift between RX and TX time slot according to the clock of the master.</p> <p>Additionally the type of connection is set up at the beginning of the connection. The master adapts its hopping frequency and its TX/RX timing according to the packet type of the connection. Also the slave of the connection will use these settings.</p> <p>Repeating of a packer has no influence on the hopping sequence. The hopping sequence generated by the master of the connection will be followed in any case.</p> <p>That means a repeated packet will not be send on the same frequency, it is send on the next frequency of the hopping sequence.</p>

### 3.3 Independent Operation Modes

The basic operation modes are:

- A. Transmitting
  - 1. Bluetooth function
    - a. Low Channel
    - b. Mid Channel
    - c. High Channel
- B. Receiving
- C. Standby
- D. Battery Charging
- E. Off

### 3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

### 3.5 Submitted Documents

- Bill of Material	- Circuit Diagram
- PCB Layout	- Instruction Manual
- Photo Document	- Rating Label

## 4. Test Set-up and Operation Modes

### 4.1 Principle of Configuration Selection

**Radio Spectrum:** The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

**Emission:** The equipment under test (EUT) was configured to measure its highest possible radiation 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.

During testing, test software BlueSuite provided by the applicant was used to control the operating channel as well as output power for Bluetooth operation.

**Table 6: List of Frequencies under Test, Bluetooth operation**

RF Channel of Bluetooth 4.0				
Channel	Channel number	Frequency (MHz)	Power Level setting in software	
Low	0	2402.00	63	
Middle	39	2441.00	63	
High	78	2480.00	63	

### 4.3 Special Accessories and Auxiliary Equipment

**Table 7: List of Accessories and Auxiliary Equipment**

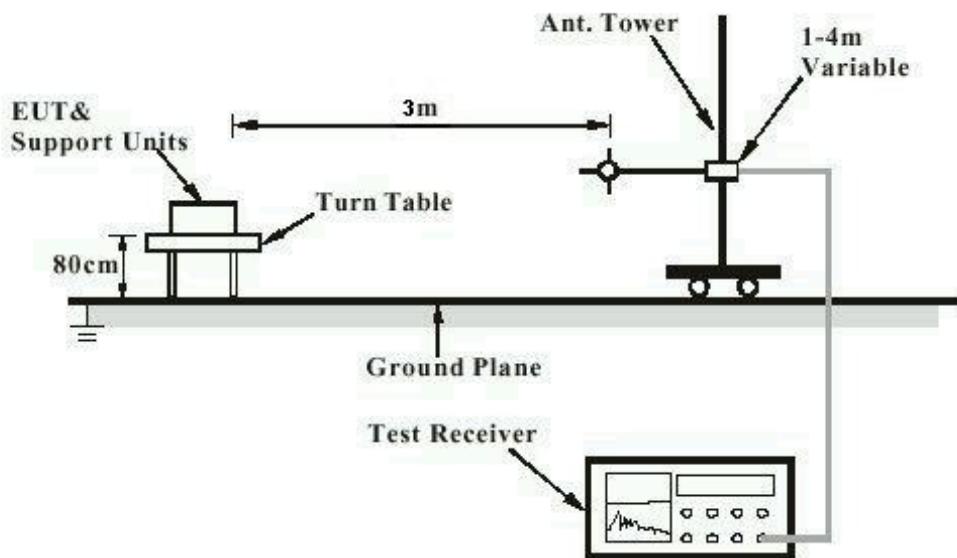
Description	Manufacturer	Model	S/N	Rating
Laptop PC	Lenovo	X200	L3-ANW2G	--

## 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.

## 4.5 Test Setup Diagram

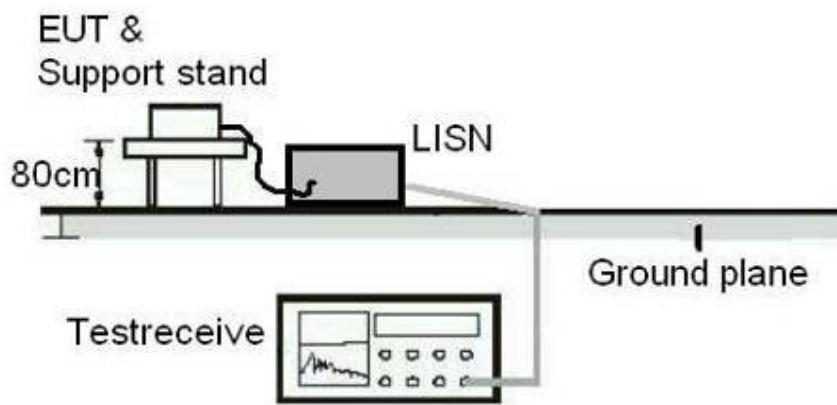
Diagram of Measurement Configuration for Radiation Test



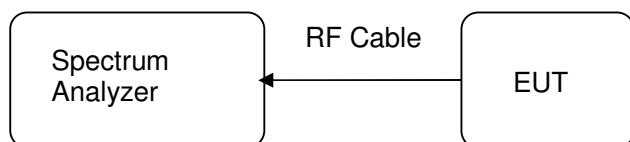
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**Diagram of Measurement Equipment Configuration for Conduction Measurement**



**Diagram of Measurement Equipment Configuration for Transmitter Measurement**



## 5. Test Results

### 5.1 Transmitter Requirement & Test Suites

#### 5.1.1 Antenna Requirement

**RESULT:****Passed**

Test date	:	2014-09-20 to 2014-12-03
Test standard	:	FCC Part 15.247(b)(4) and Part 15.203
Limit	:	the use of antennas with directional gains that do not exceed 6 dBi

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 3.2dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to compliance the provision.

Refer to EUT photo for details.

### 5.1.2 Peak Output Power

**RESULT:**

**Passed**

Test date	:	2014-09-20 to 2014-12-03
Test standard	:	FCC Part 15.247(b)(1)
Basic standard	:	ANSI C63.4: 2009
Limit	:	0.125Watt
Kind of test site	:	Shielded room

**Test setup**

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1
Ambient temperature	:	23°C
Relative humidity	:	50%
Atmospheric pressure	:	101.0 kPa

**Table 8: Test result of Peak Output Power**

Channel	Channel Frequency (MHz)	<b>BDR mode</b>		
		<b>Peak Output Power</b>		<b>Limit</b>
		(dBm)	(W)	(W)
Low Channel	2402	8.59	0.00723	0.125
Middle Channel	2441	10.24	0.01057	0.125
High Channel	2480	10.82	0.01208	0.125
Channel	Channel Frequency (MHz)	<b>EDR mode</b>		
		<b>Peak Output Power</b>		<b>Limit</b>
		(dBm)	(W)	(W)
Low Channel	2402	7.76	0.00597	0.125
Middle Channel	2441	9.69	0.00931	0.125
High Channel	2480	10.33	0.01079	0.125

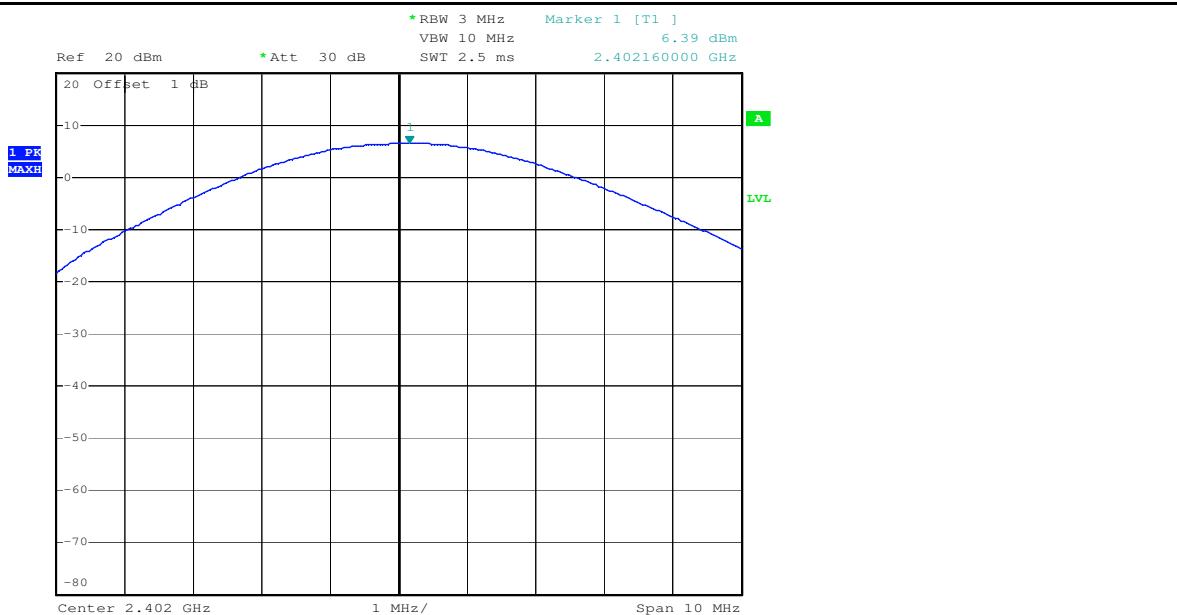
**Note:**

1. Peak Output power = measure value + cable loss, cable loss is 2.2dB.

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**Test Graph of Peak Output Power, BDR mode**  
**Low Channel**



Date: 3.DEC.2014 14:33:26

**Middle Channel**

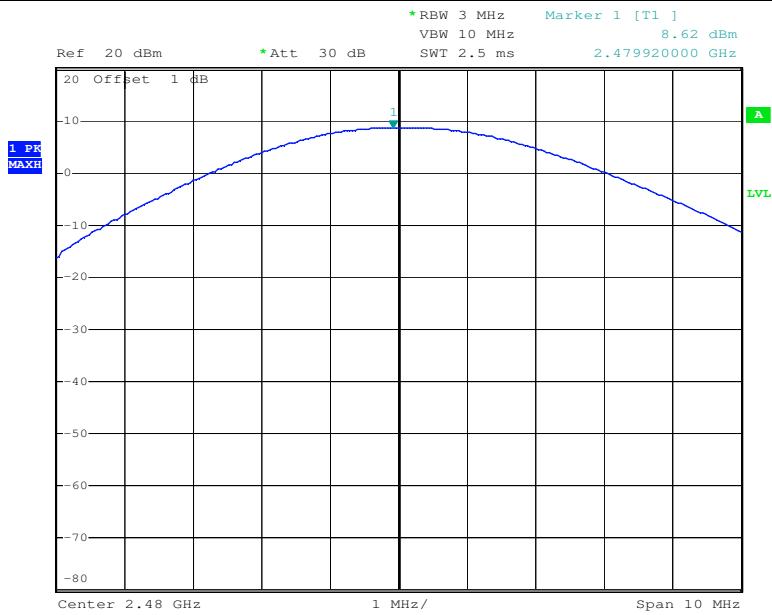


Date: 3.DEC.2014 14:34:37

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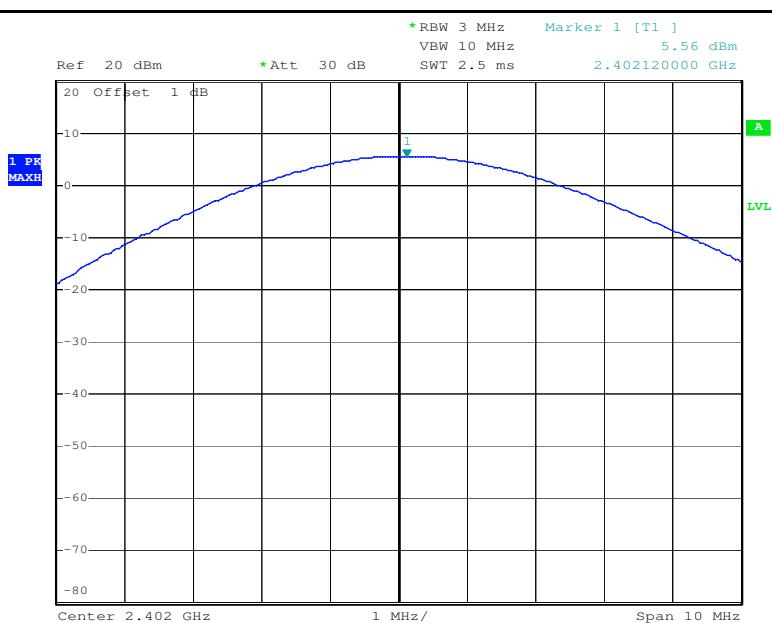
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**High Channel**



Date: 3.DEC.2014 14:35:21

**Test Graph of Peak Output Power, EDR mode**  
**Low Channel**

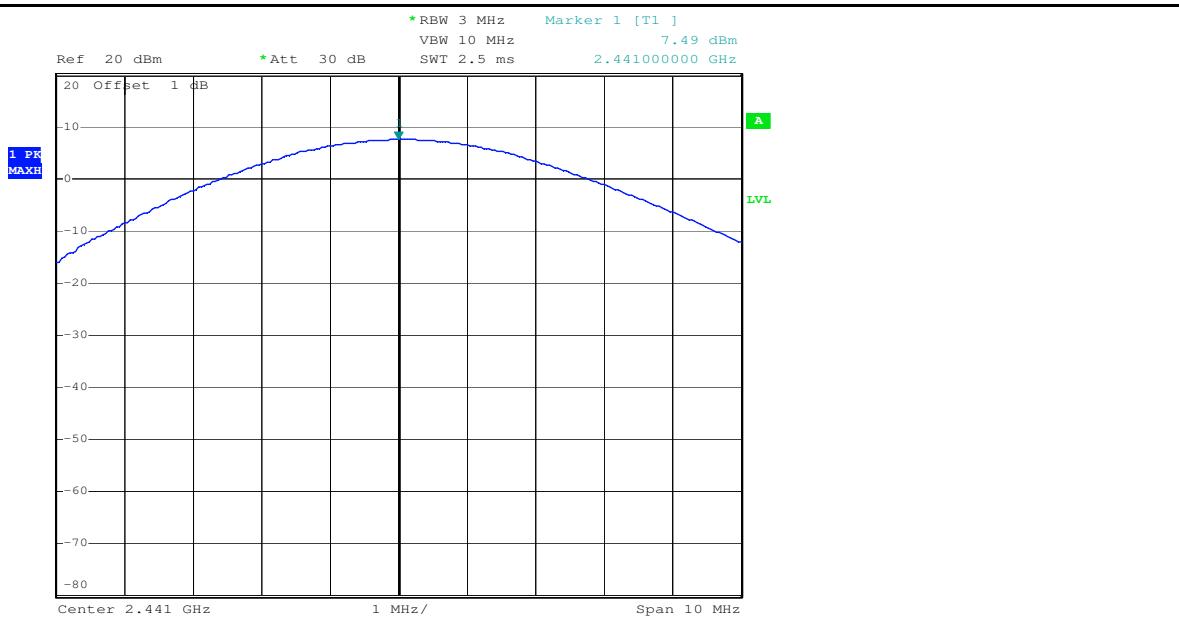


Date: 3.DEC.2014 14:38:15

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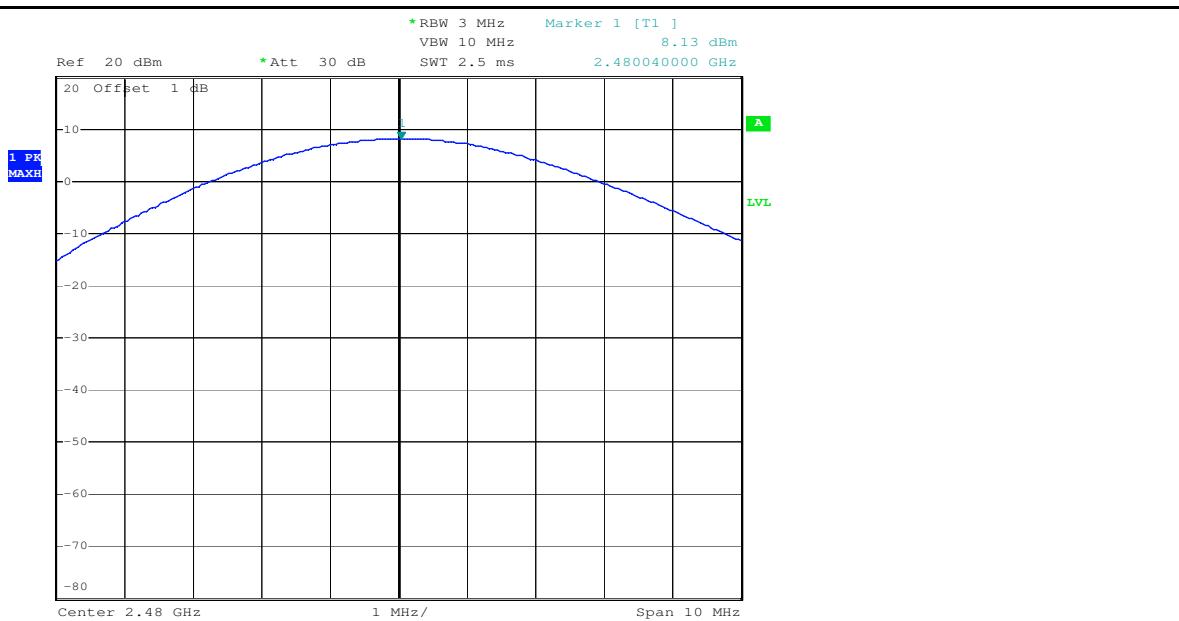
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**Middle Channel**



Date: 3.DEC.2014 14:37:23

**High Channel**



Date: 3.DEC.2014 14:36:25

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### 5.1.3 20dB Bandwidth and 99% Bandwidth

**RESULT:**

**Passed**

Date of testing : 2014-09-20 to 2014-12-03  
 Test standard : FCC Part 15.247(a)(1)  
 Basic standard : ANSI C63.4: 2009  
 Kind of test site : Shielded room

**Test setup**

Test Channel : Low/ Middle/ High  
 Operation Mode : A.1  
 Ambient temperature : 23°C  
 Relative humidity : 50%  
 Atmospheric pressure : 101.0 kPa

**Table 9: Test result of 20dB Bandwidth and 99% Bandwidth**

<b>BDR mode</b>				
<b>Channel</b>	<b>Channel Frequency (MHz)</b>	<b>20dB Bandwidth (kHz)</b>	<b>99% Bandwidth (kHz)</b>	<b>Result</b>
Low Channel	2402	924.0	930.0	Pass
Mid Channel	2441	948.0	936.0	Pass
High Channel	2480	948.0	930.0	Pass

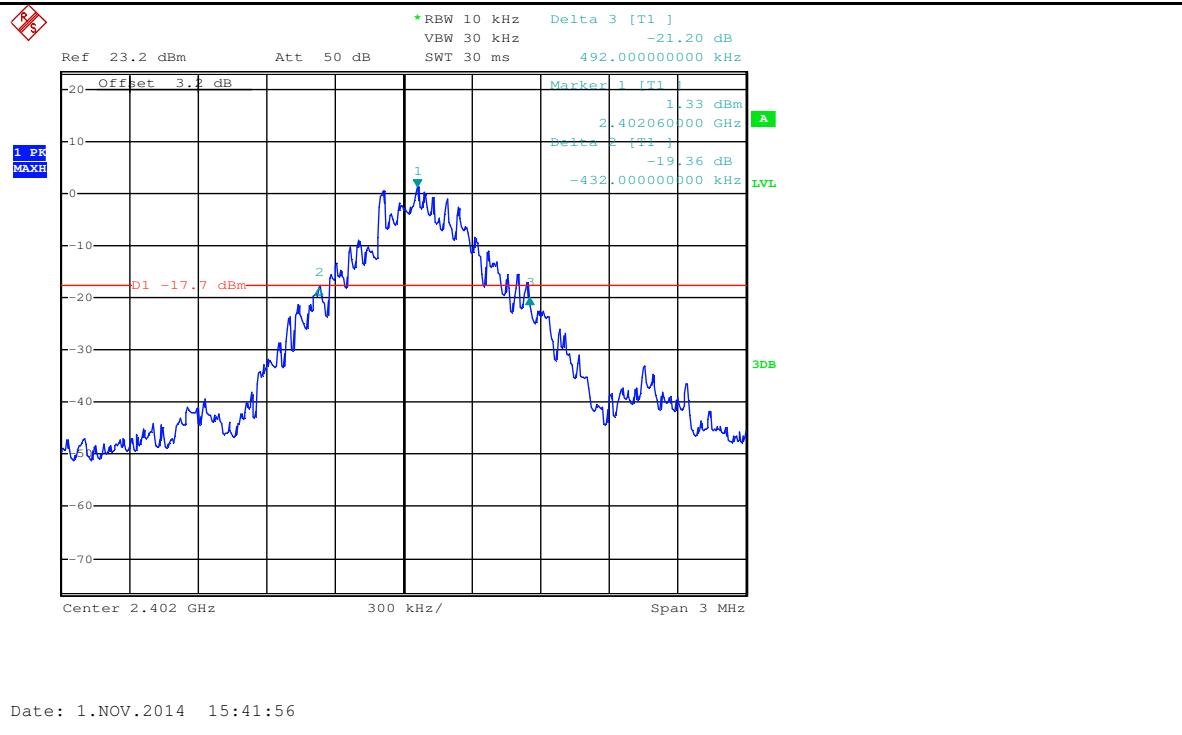
<b>EDR mode</b>				
<b>Channel</b>	<b>Channel Frequency (MHz)</b>	<b>20dB Bandwidth (kHz)</b>	<b>99% Bandwidth (kHz)</b>	<b>Result</b>
Low Channel	2402	1212.0	1194.0	Pass
Mid Channel	2441	1212.0	1194.0	Pass
High Channel	2480	1212.0	1200.0	Pass

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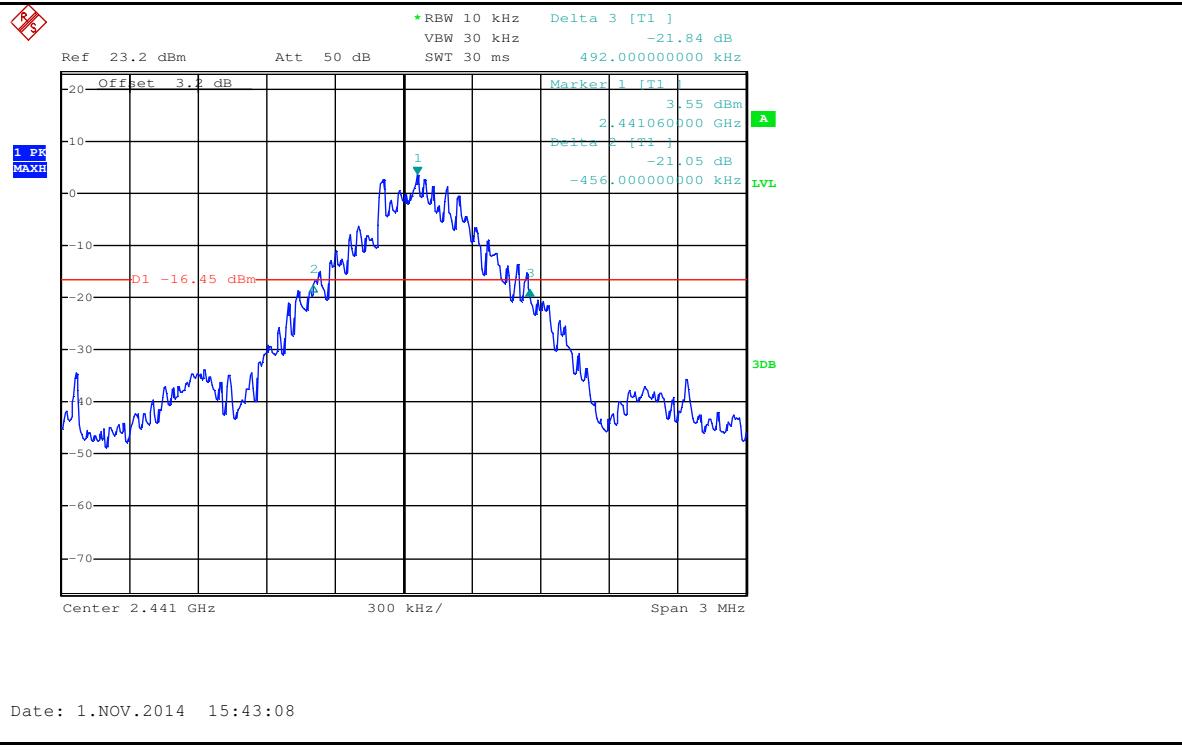
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## Test Graph of 20dB Bandwidth, BDR mode

### Low Channel



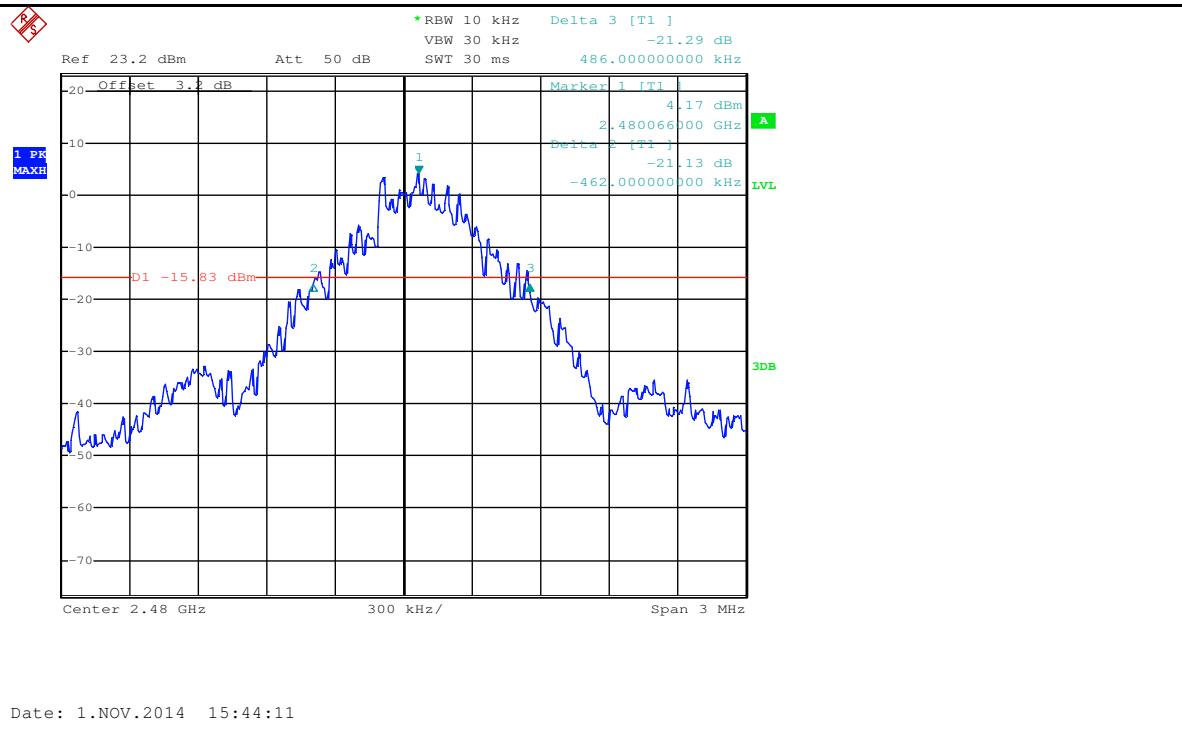
### Middle Channel



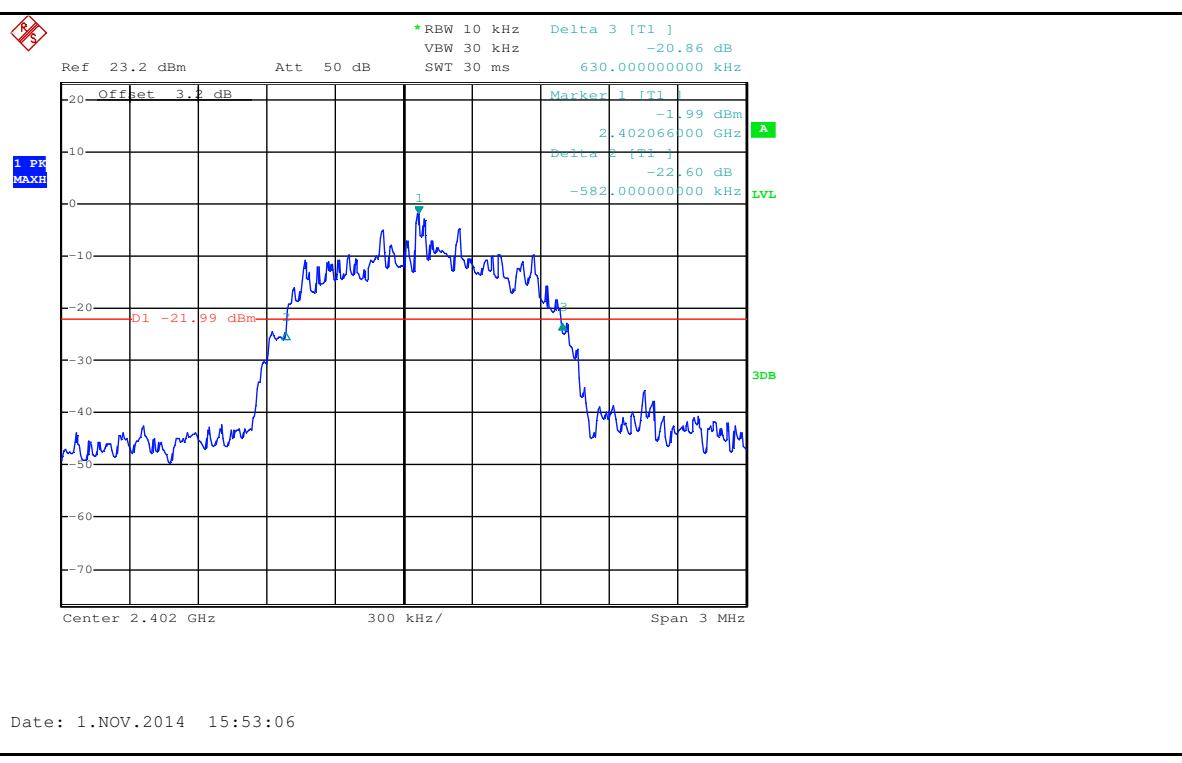
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**High Channel**



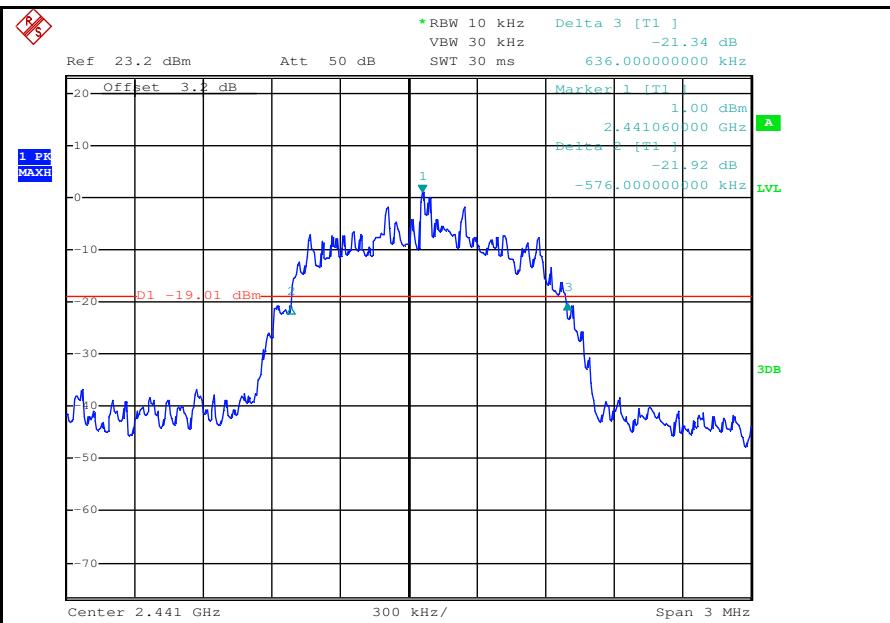
**Test Graph of 20dB Bandwidth, EDR mode**  
**Low Channel**



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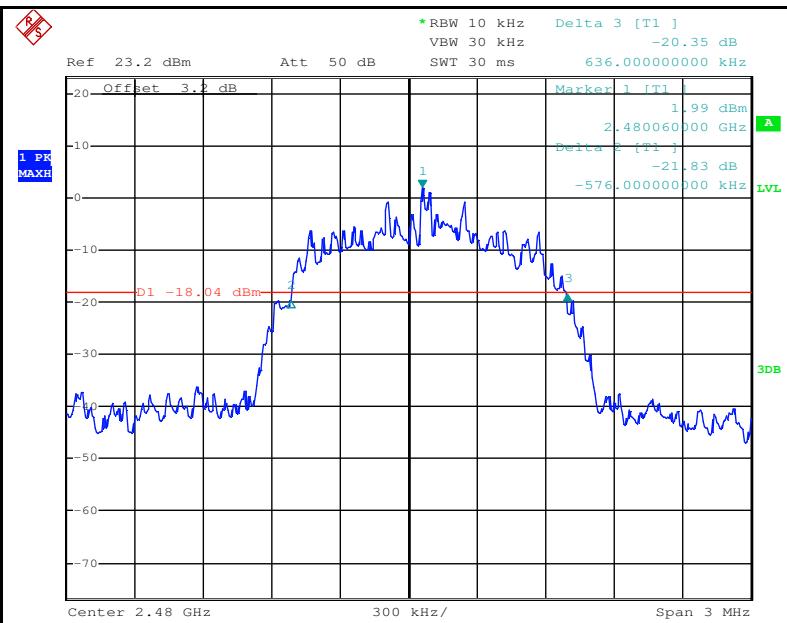
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**Middle Channel**



Date: 1.NOV.2014 15:52:01

**High Channel**



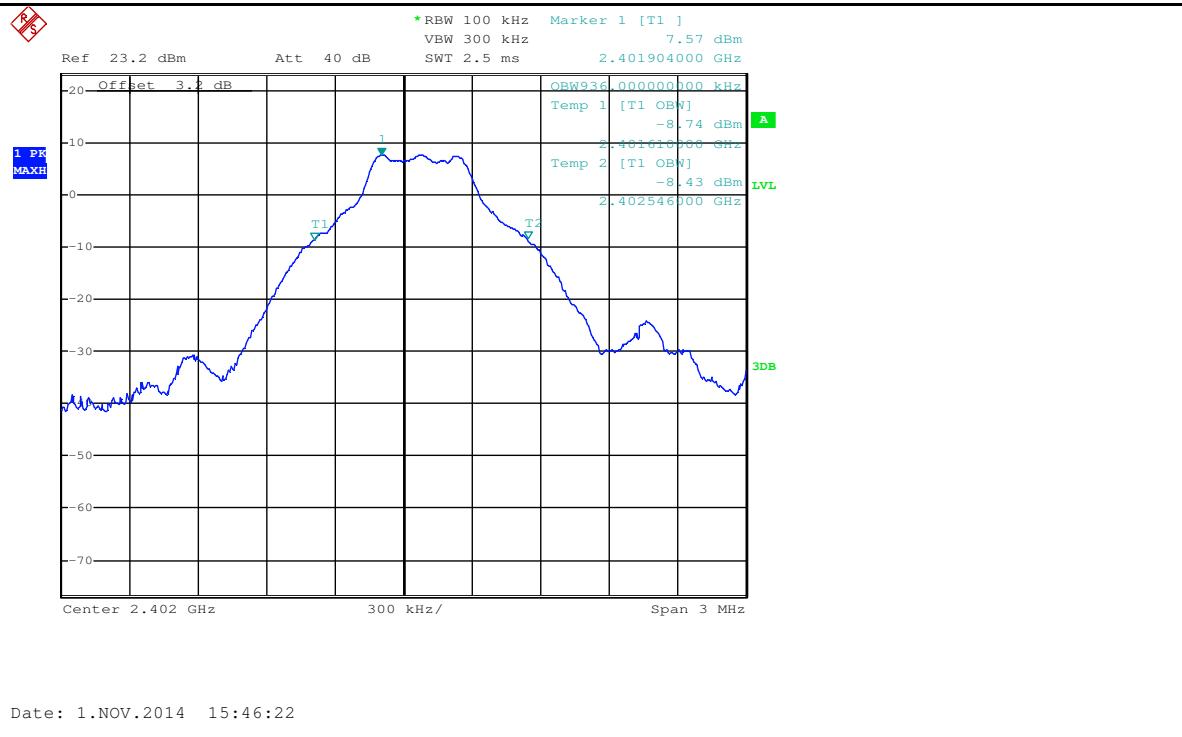
Date: 1.NOV.2014 15:50:56

**Prüfbericht - Nr.: 17042741 001**  
Test Report No.

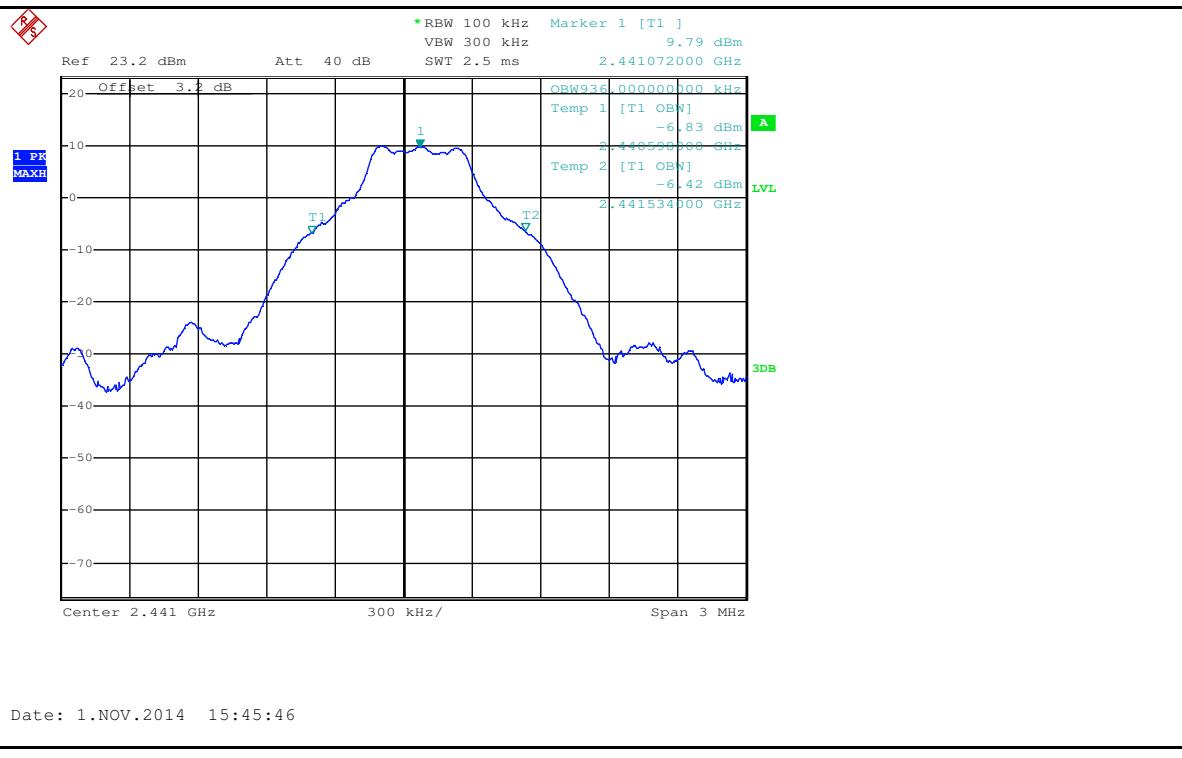
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### Test Graph of 99% Bandwidth, BDR mode

#### Low Channel



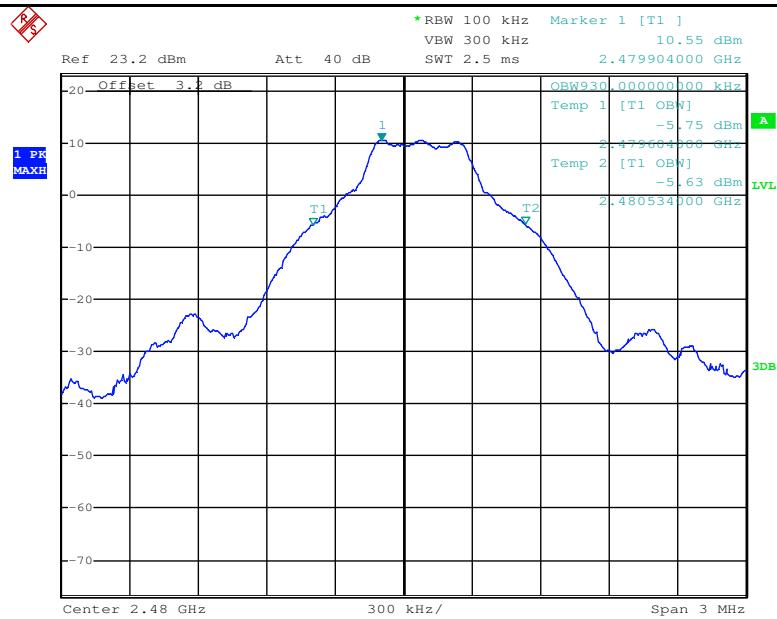
#### Middle Channel



**Prüfbericht - Nr.: 17042741 001**  
Test Report No.

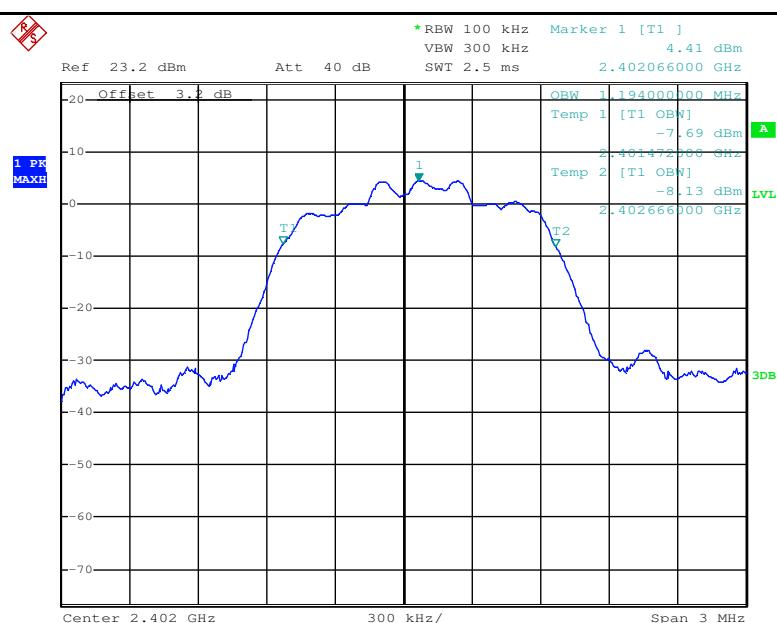
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**High Channel**



Date: 1.NOV.2014 15:45:11

**Test Graph of 99% Bandwidth, EDR mode  
Low Channel**

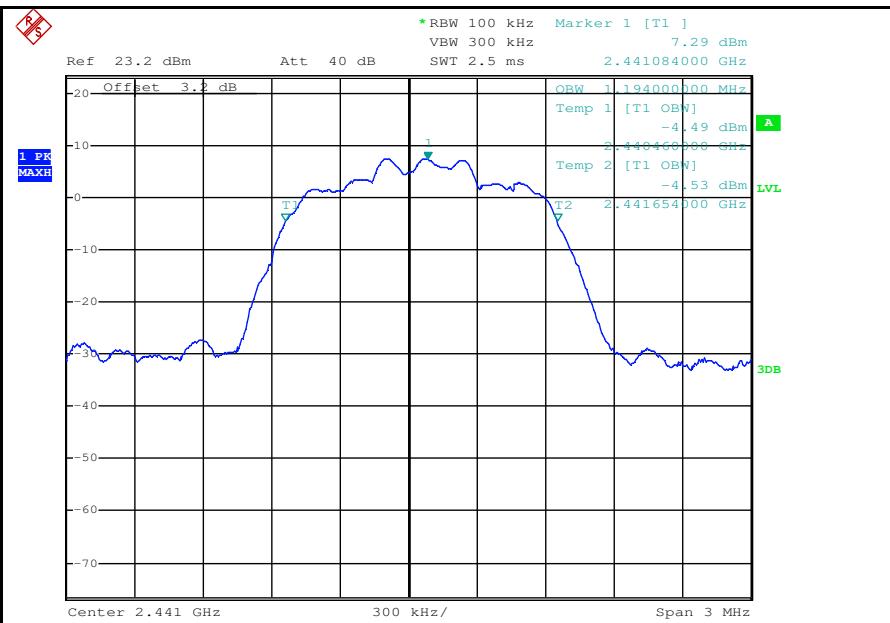


Date: 1.NOV.2014 15:48:17

**Prüfbericht - Nr.: 17042741 001**  
Test Report No.

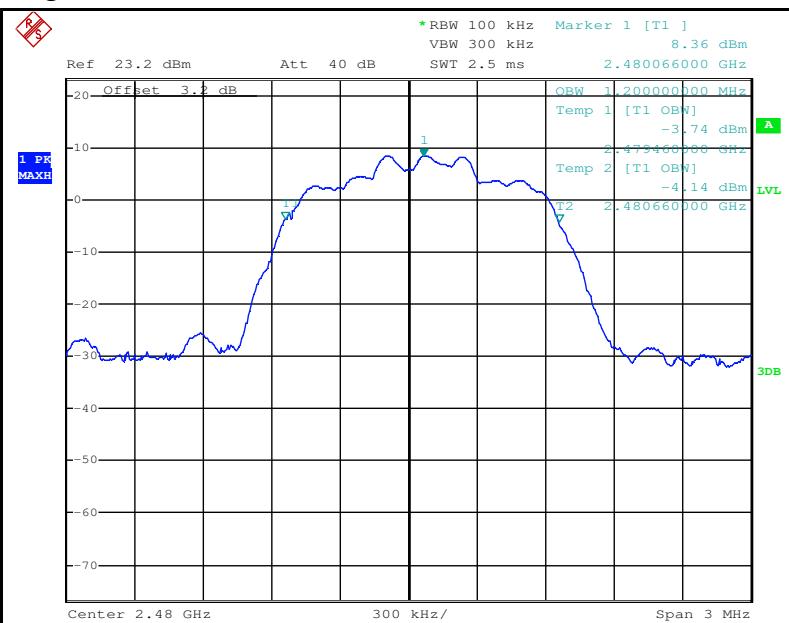
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**Middle Channel**



Date: 1.NOV.2014 15:48:59

**High Channel**



Date: 1.NOV.2014 15:49:32

**Prüfbericht - Nr.:** 17042741 001  
*Test Report No.*

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### 5.1.4 Conducted Spurious Emissions measured in 100 kHz Bandwidth

#### RESULT:

Passed

Date of testing	:	2014-09-20 to 2014-12-03
Test standard	:	FCC part 15.247(d)
Basic standard	:	ANSI C63.4: 2009
Limit	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power); In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	:	Shield room

#### Test setup

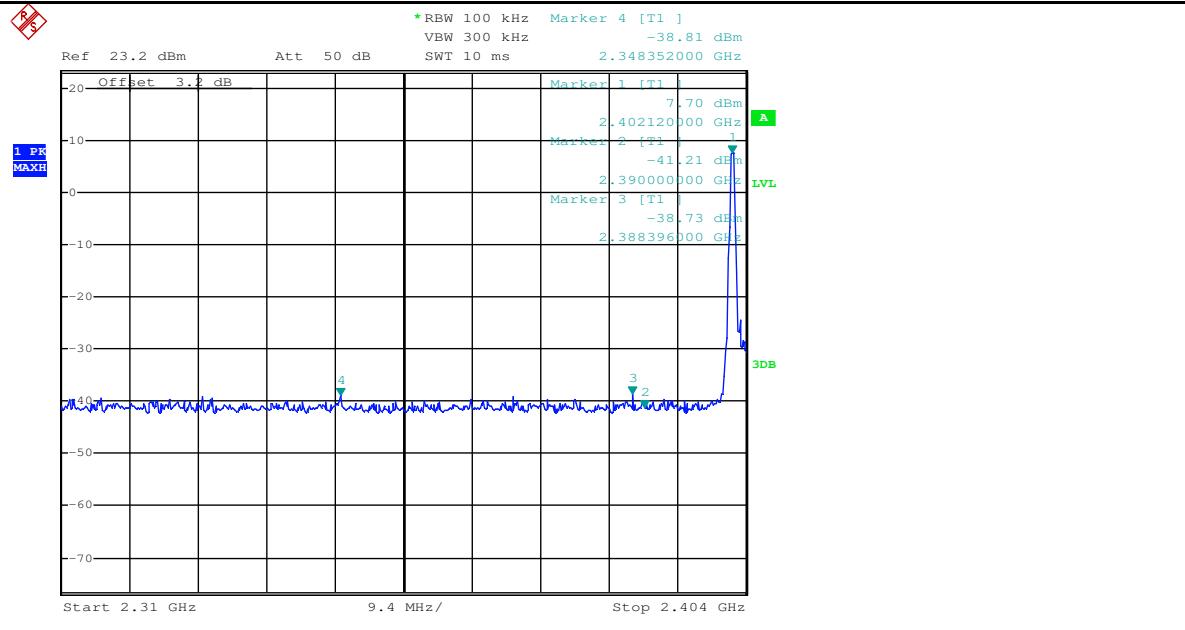
Test Channel	:	Low/ Middle/ High
Operation mode	:	A.1
Ambient temperature	:	23°C
Relative humidity	:	50%
Atmospheric pressure	:	101.0 kPa

Test results of 100kHz Bandwidth of Frequency Band Edge by Conducted method refer to following test graph, and compliance is achieved as well.

**Prüfbericht - Nr.: 17042741 001**  
Test Report No.

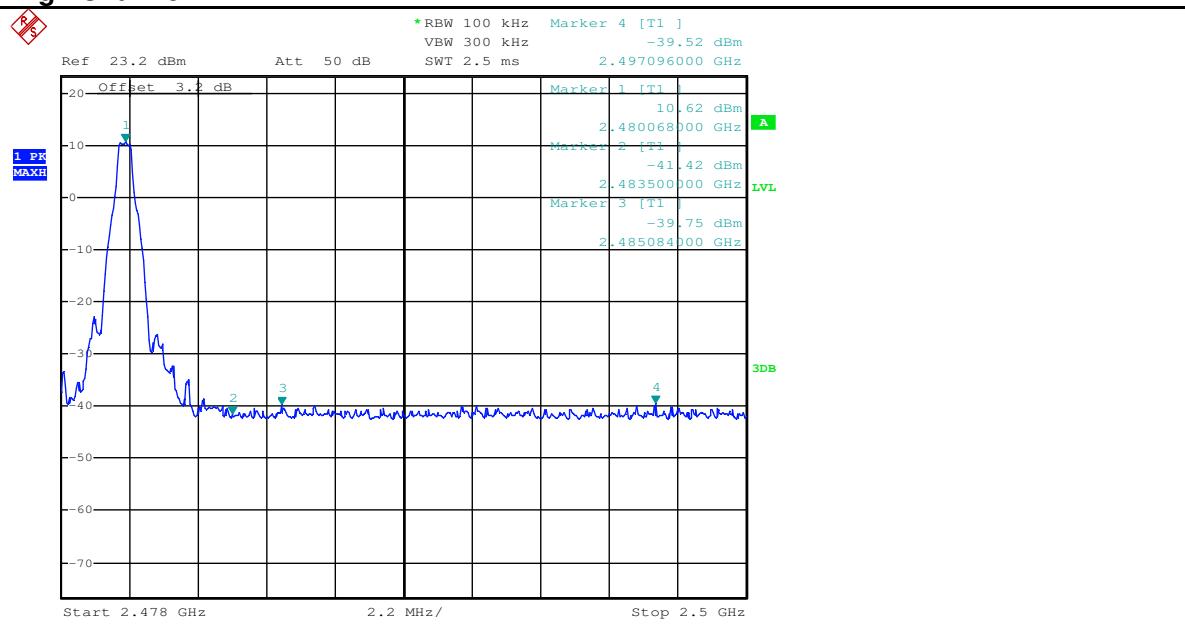
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**Test Graph of 100 kHz Bandwidth of Frequency Band Edge,  
BDR mode  
Low Channel**



Date: 1.NOV.2014 15:40:10

**High Channel**



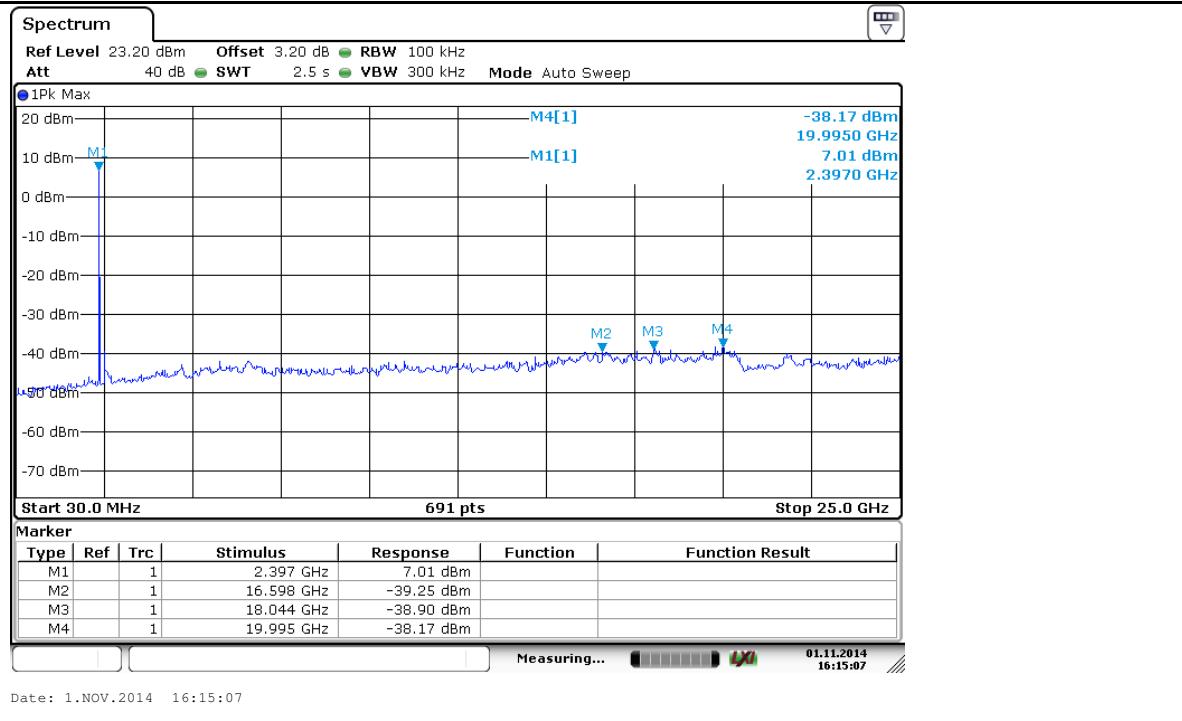
Date: 1.NOV.2014 15:39:16

**Prüfbericht - Nr.: 17042741 001**  
Test Report No.

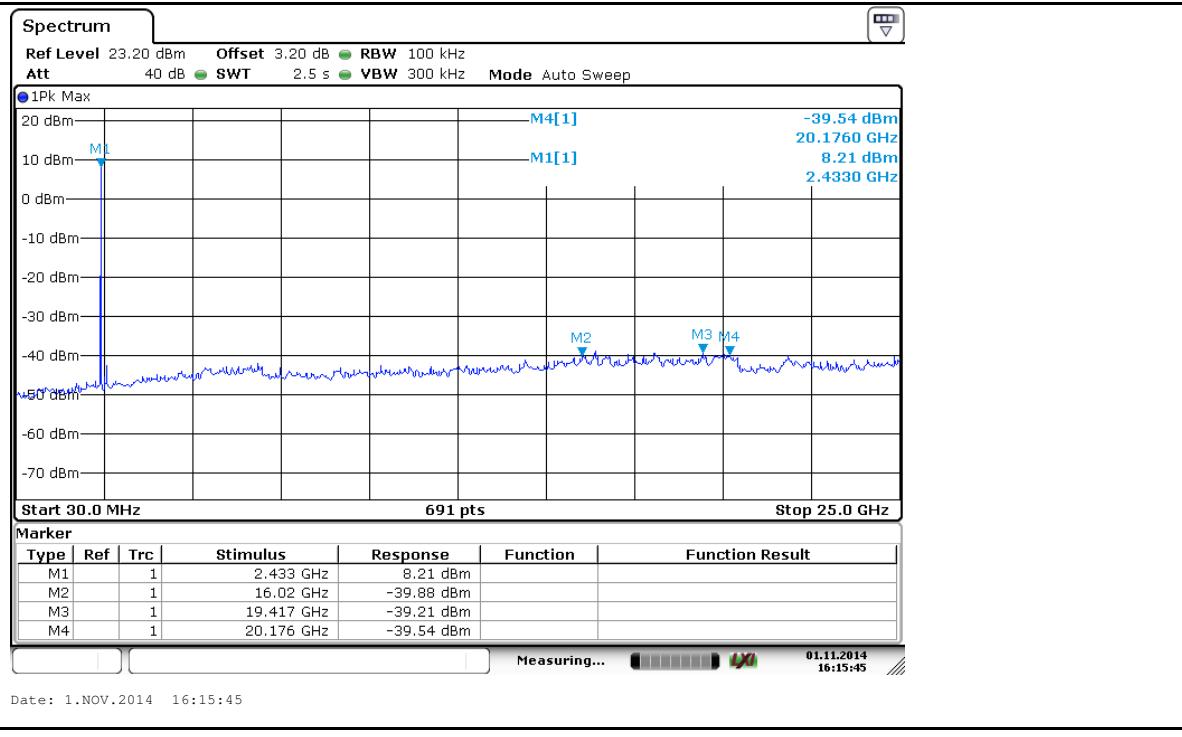
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**Test Graph of Conducted spurious emissions measured in  
100 kHz Bandwidth, BDR mode**

**Low Channel**



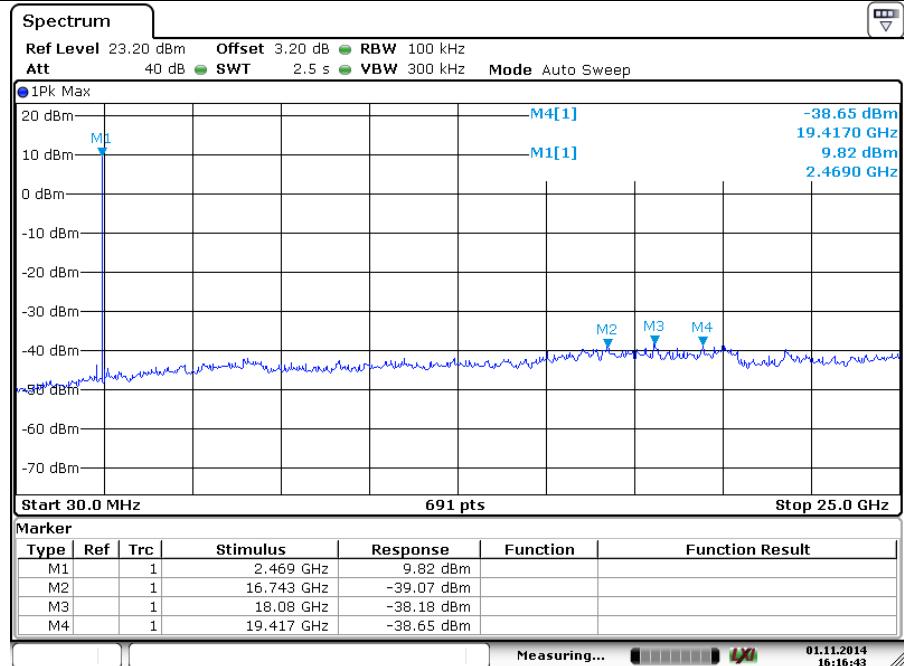
**Middle Channel**



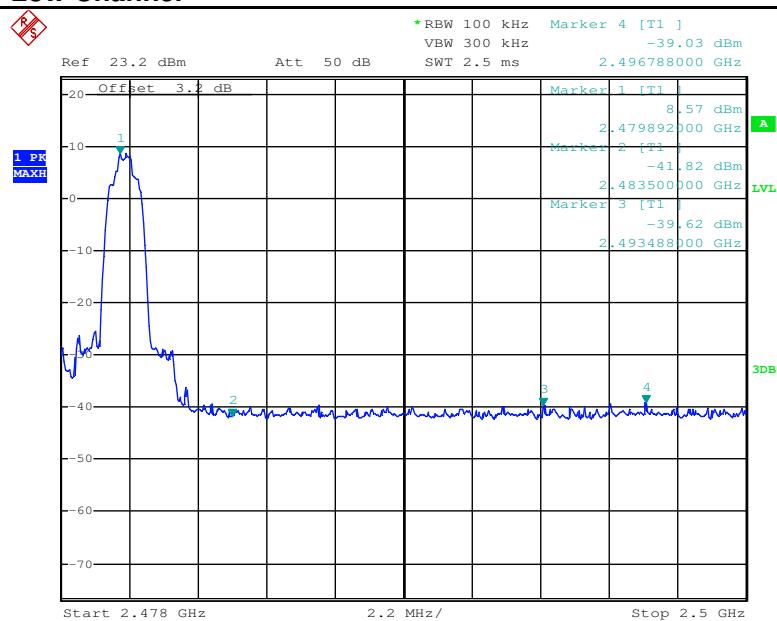
**Prüfbericht - Nr.: 17042741 001**  
Test Report No.

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**High Channel**



**Test Graph of 100 kHz Bandwidth of Frequency Band Edge,  
EDR mode  
Low Channel**



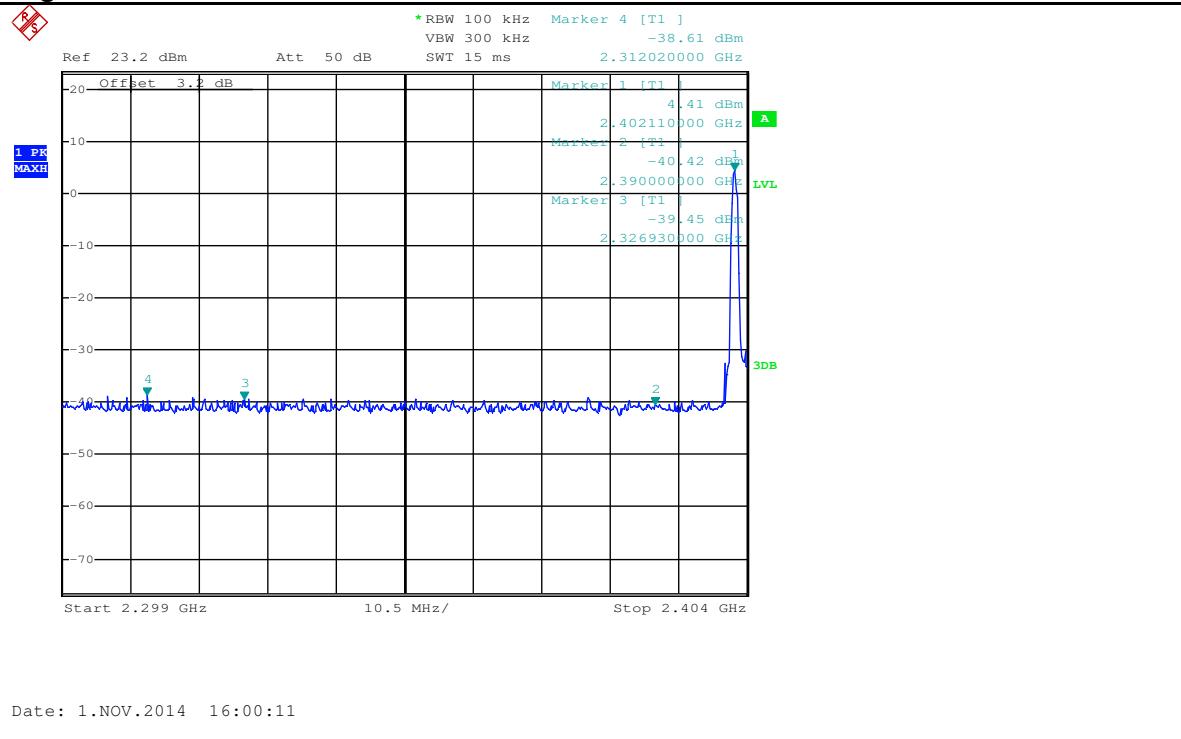
Date: 1.NOV.2014 15:59:25

## Prüfbericht - Nr.: 17042741 001

Test Report No.

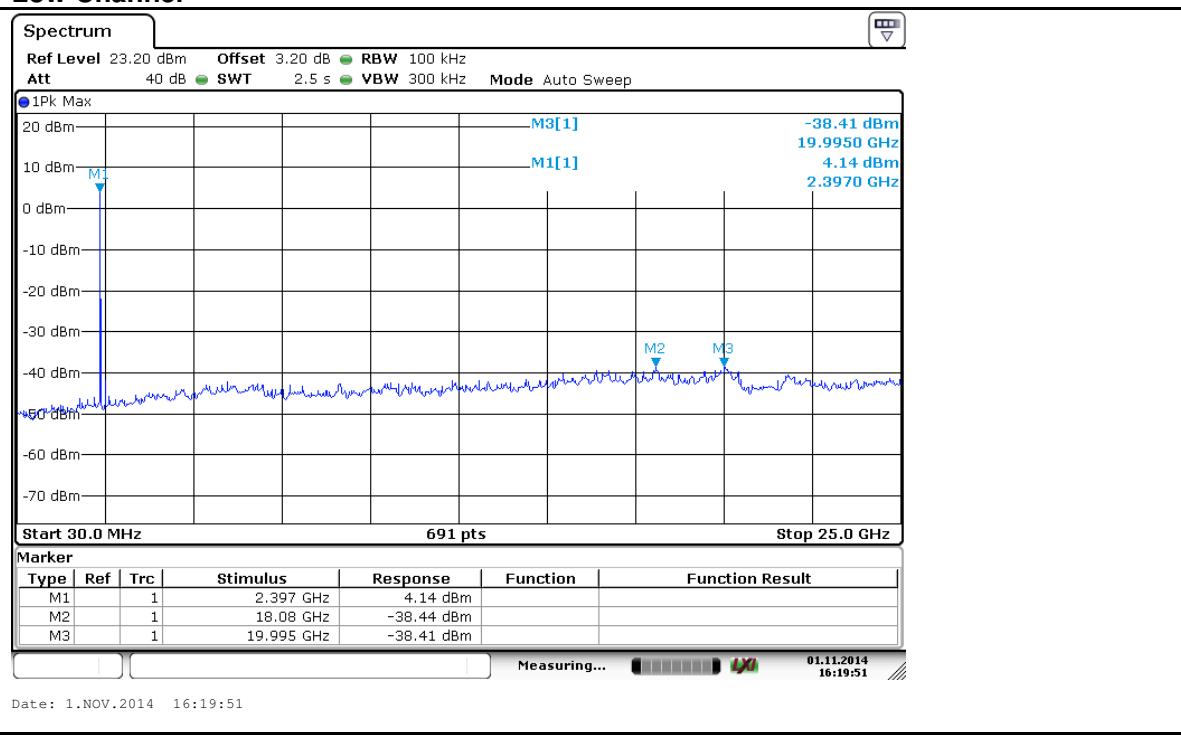
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### High Channel



### Test Graph of Conducted spurious emissions measured in 100 kHz Bandwidth, EDR mode

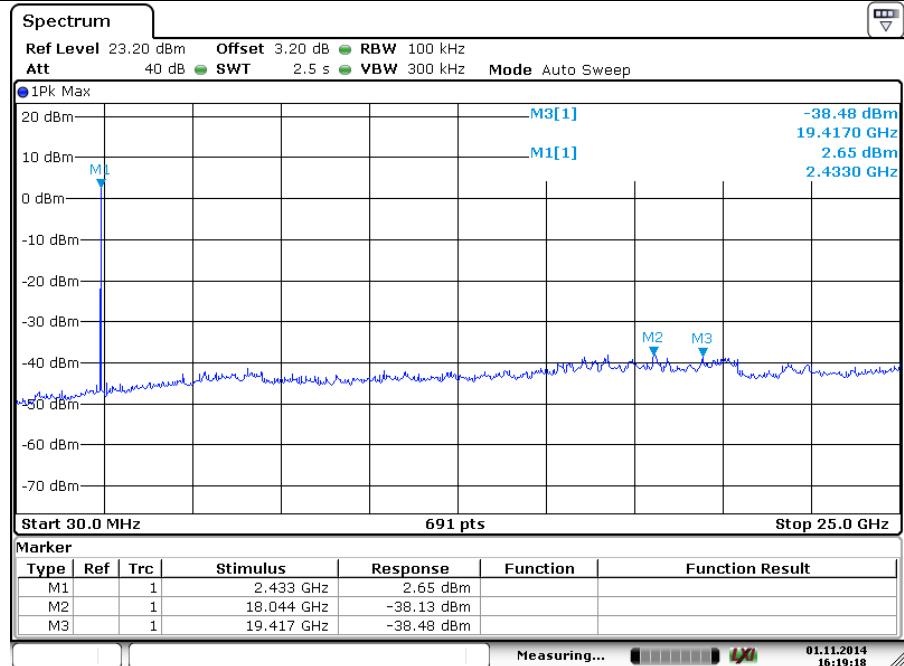
#### Low Channel



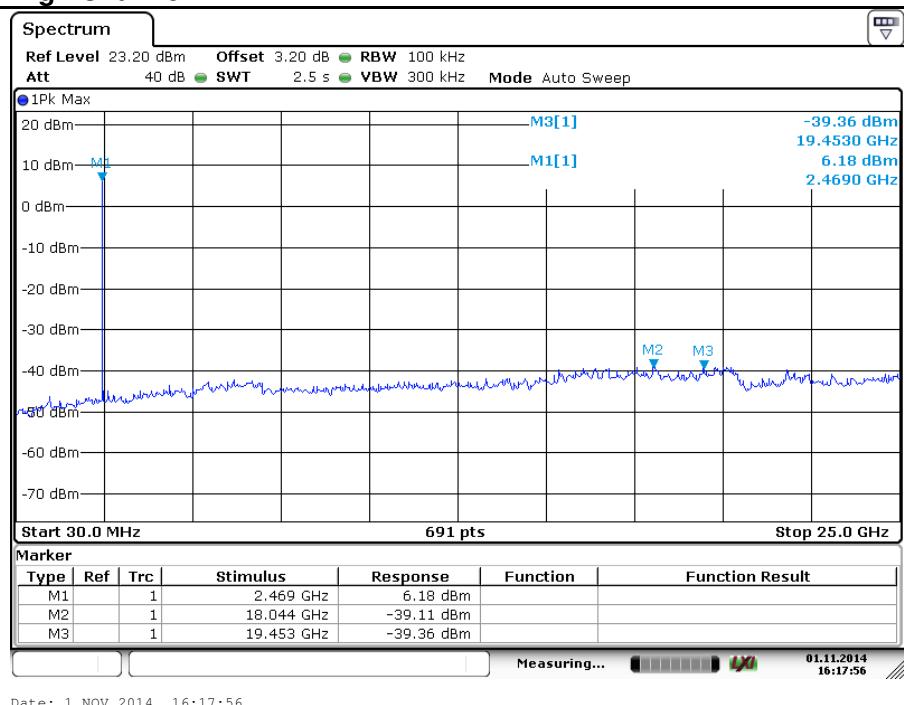
**Prüfbericht - Nr.: 17042741 001**  
Test Report No.

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**Middle Channel**



**High Channel**



**Prüfbericht - Nr.:** 17042741 001  
*Test Report No.*

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### 5.1.5 Spurious Emissions

#### RESULT:

**Passed**

Date of testing : 2014-09-20 to 2014-12-03  
Test standard : FCC part 15.247(d)  
Basic standard : FCC part 15.209  
Limits : ANSI C63.4: 2009  
Kind of test site : Refer to 15.209(a)  
Kind of test site : 3m Semi-Anechoic Chamber

#### Test setup

Test Channel : Low/ Middle/ High  
Operation mode : A.1  
Ambient temperature : 23°C  
Relative humidity : 48%  
Atmospheric pressure : 101.0 kPa

Refer to attached Appendix A for details.

**Prüfbericht - Nr.: 17042741 001**  
Test Report No.

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### 5.1.6 Frequency Separation

**RESULT:**

**Passed**

Date of testing	:	2014-09-20 to 2014-12-03
Test standard	:	FCC part 15.247(a)(1)
Basic standard	:	ANSI C63.4: 2009
Limit	:	≥ 25kHz or two-thirds of 20dB bandwidth, whichever is greater
Kind of test site	:	Shield room

**Test setup**

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1
Ambient temperature	:	23°C
Relative humidity	:	50%
Atmospheric pressure	:	101.0 kPa

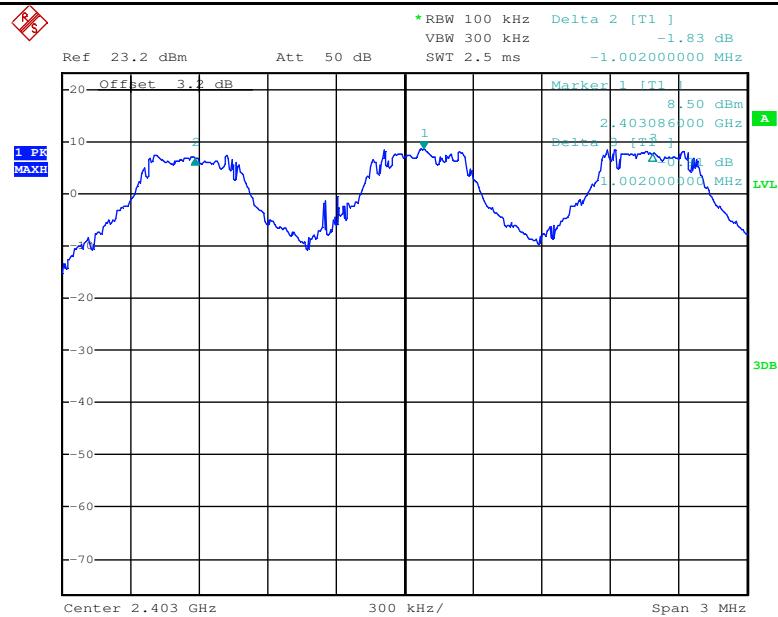
**Table 10: Test result of Frequency Separation**

Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Low Channel	2402	1	≥ 25kHz or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2403	1	≥ 25kHz or two-thirds of 20dB bandwidth	Pass
Mid Channel	2441	1	≥ 25kHz or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2442	1	≥ 25kHz or two-thirds of 20dB bandwidth	Pass
High Channel	2480	1	≥ 25kHz or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2479	1	≥ 25kHz or two-thirds of 20dB bandwidth	Pass

**Prüfbericht - Nr.: 17042741 001**  
Test Report No.

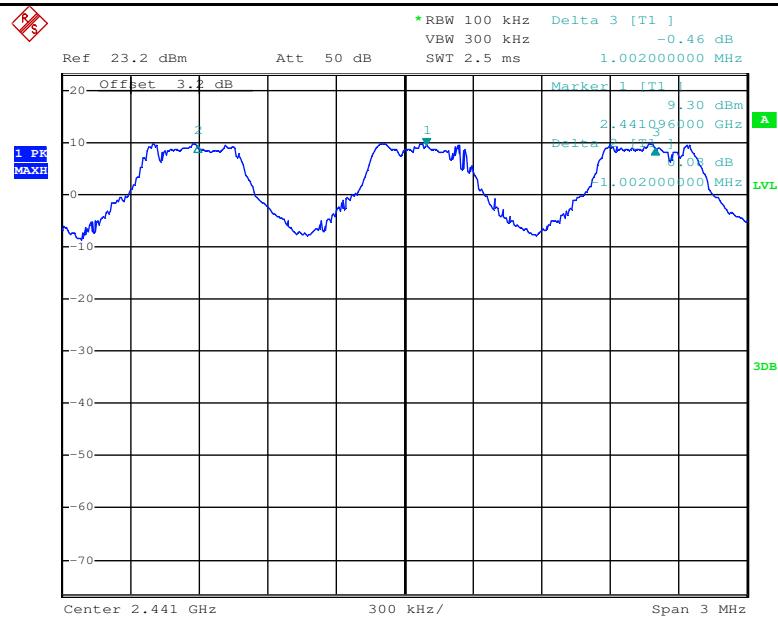
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**Test Graph of Frequency Separation**  
**Low Channel**



Date: 1.NOV.2014 15:08:32

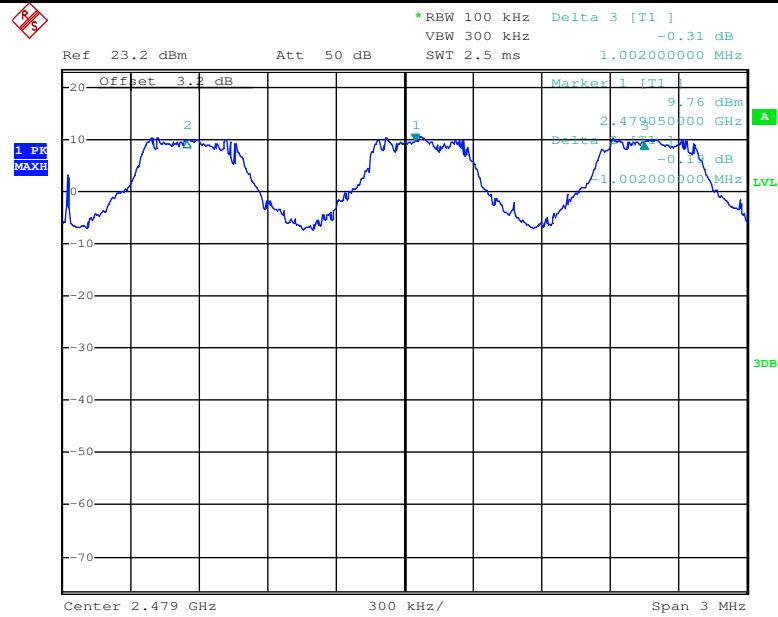
**Middle Channel**



Date: 1.NOV.2014 15:11:02

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## High Channel



Date: 1.NOV.2014 15:16:13

### 5.1.7 Number of hopping frequency

**RESULT:****Passed**

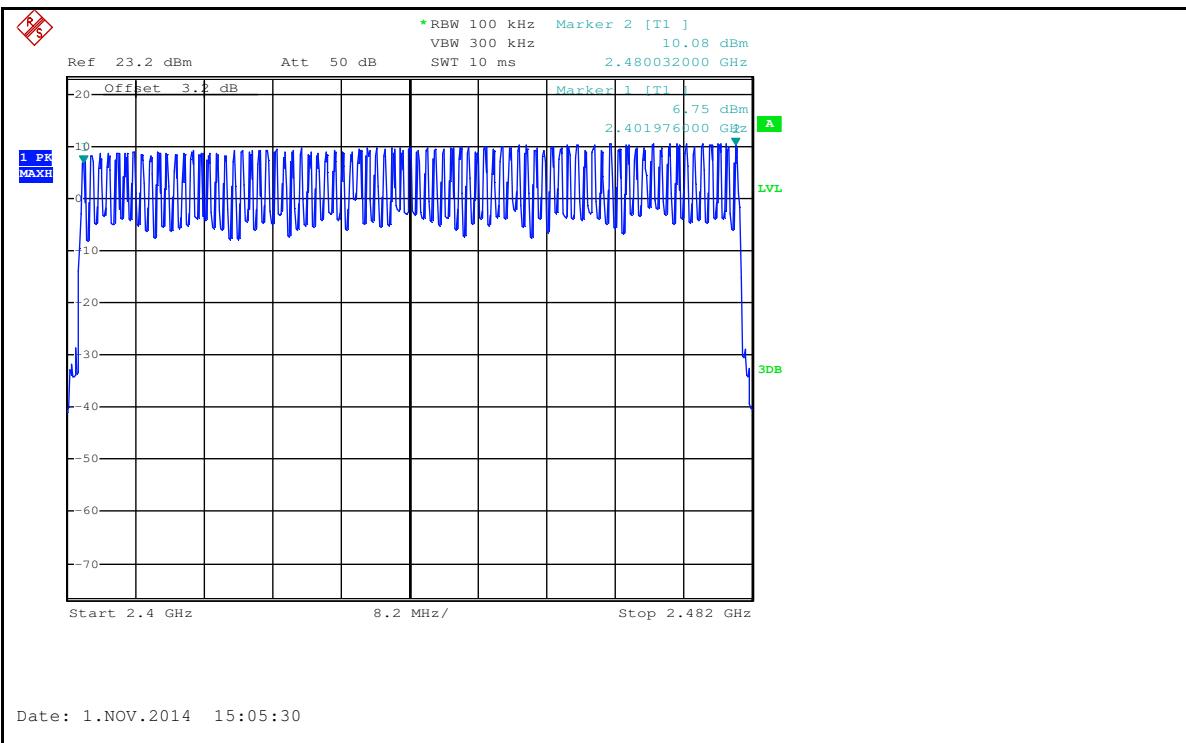
Date of testing	:	2014-09-20 to 2014-12-03
Test standard	:	FCC part 15.247(a)(1)(iii)
Basic standard	:	ANSI C63.4: 2009
Limits	:	≥ 15 non-overlapping channels
Kind of test site	:	Shield room

**Test setup**

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1
Ambient temperature	:	23°C
Relative humidity	:	50%
Atmospheric pressure	:	101.0 kPa

**Table 11: Test result of Number of hopping frequency**

Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
2400 to 2483.5 MHz	79	≥15	Pass

Prüfbericht - Nr.: **17042741 001**  
Test Report No.Seite 37 von 47  
Page 37 of 47**Test Graph of Number of hopping frequency**

### 5.1.8 Time of Occupancy

**RESULT:**

**Passed**

Date of testing	:	2014-09-20 to 2014-12-03
Test standard	:	FCC part 15.247(a)(1)(iii)
Basic standard	:	ANSI C63.4: 2009
Limits	:	0.4s
Kind of test site	:	Shield room

**Test setup**

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1
Ambient temperature	:	23°C
Relative humidity	:	50%
Atmospheric pressure	:	101.0 kPa

**Table 12: Test result of Time of Occupancy, BDR mode**

Channel	Frequency (MHz)	Pulse Width (ms)	Dwell Time (s)	Limit	Result	Remark
Low Channel	2402	0.43	0.138	0.4	Pass	DH1
		1.69	0.270	0.4	Pass	DH3
		2.97	0.317	0.4	Pass	DH5
Middle Channel	2441	0.43	0.138	0.4	Pass	DH1
		1.69	0.270	0.4	Pass	DH3
		2.97	0.317	0.4	Pass	DH5
High Channel	2480	0.43	0.138	0.4	Pass	DH1
		1.69	0.270	0.4	Pass	DH3
		2.97	0.317	0.4	Pass	DH5

**Table 13: Test result of Time of Occupancy, EDR mode**

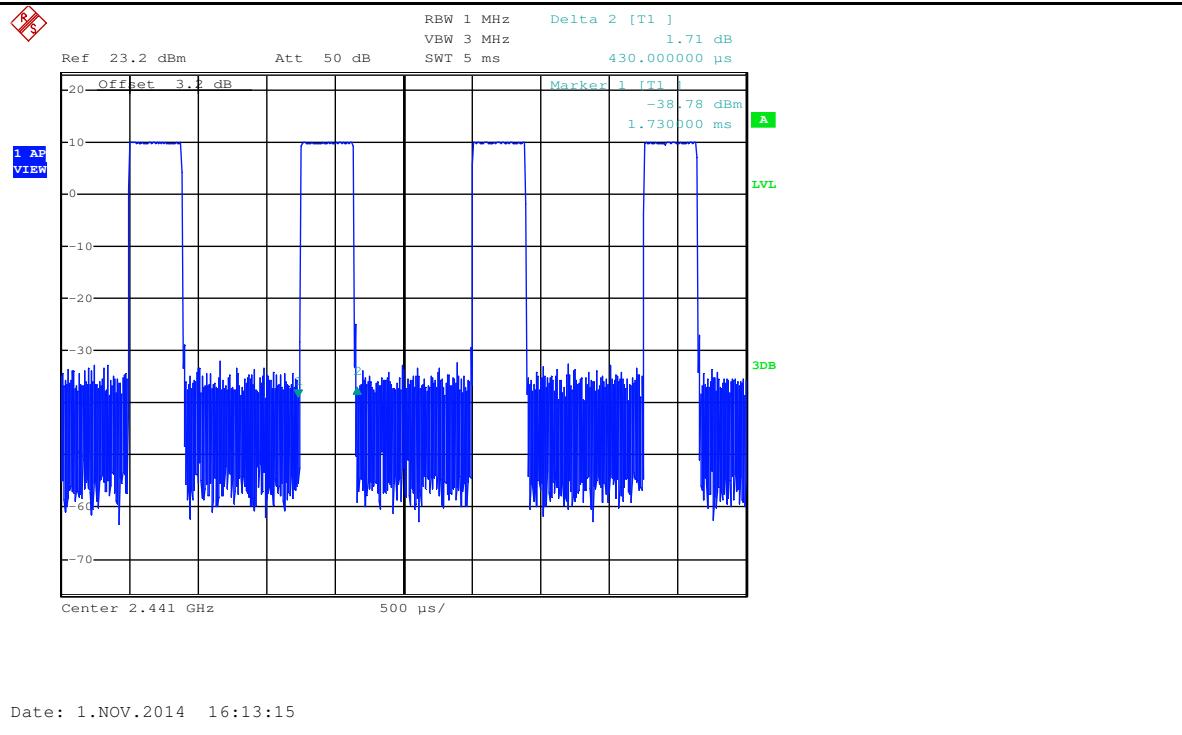
Channel	Frequency (MHz)	Pulse Width (ms)	Dwell Time (s)	Limit	Result	Remark
Low Channel	2402	0.44	0.141	0.4	Pass	3-DH1
		1.72	0.275	0.4	Pass	3-DH3
		2.97	0.317	0.4	Pass	3-DH5
Middle Channel	2441	0.44	0.141	0.4	Pass	3-DH1
		1.72	0.275	0.4	Pass	3-DH3
		2.97	0.317	0.4	Pass	3-DH5
High Channel	2480	0.45	0.144	0.4	Pass	3-DH1
		1.72	0.275	0.4	Pass	3-DH3
		2.97	0.317	0.4	Pass	3-DH5

**Prüfbericht - Nr.: 17042741 001**  
Test Report No.

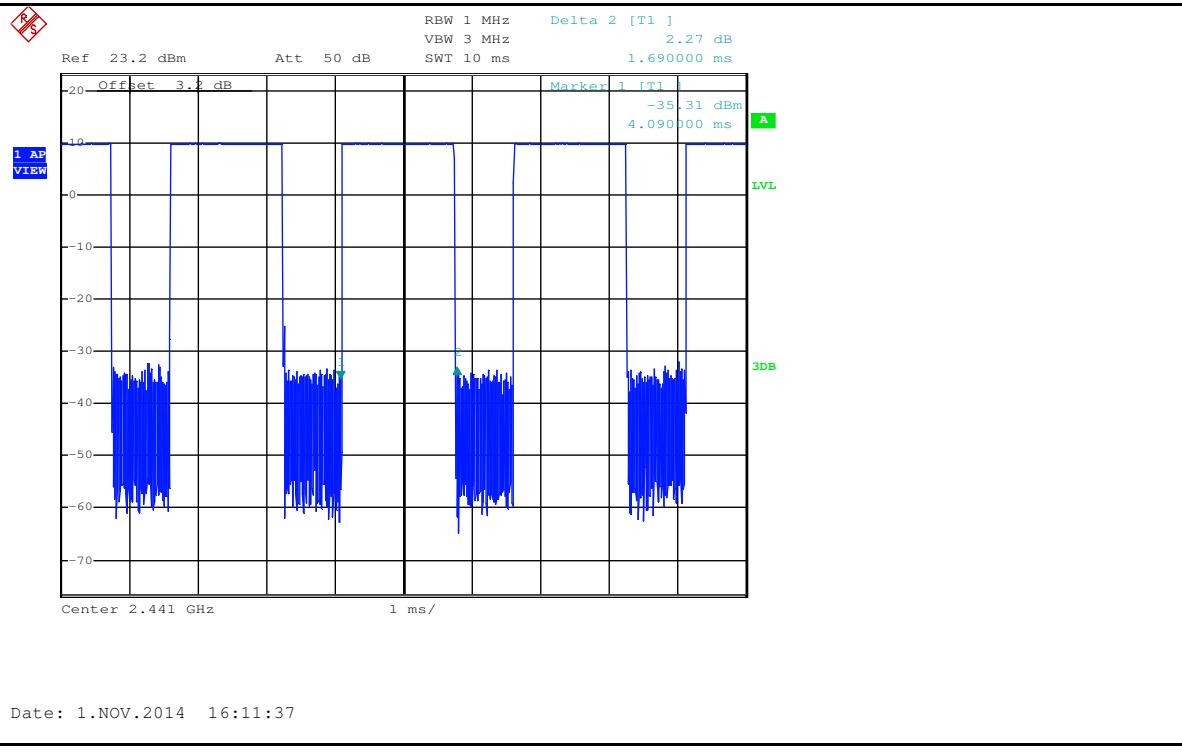
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**Test Graph of Time of Occupancy, BDR mode**

**DH1 mode**



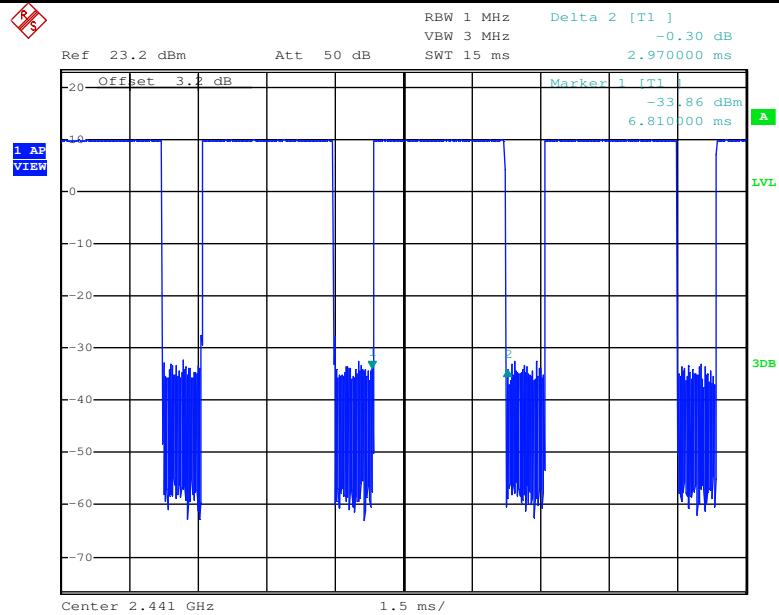
**DH3 mode**



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Test Report No.

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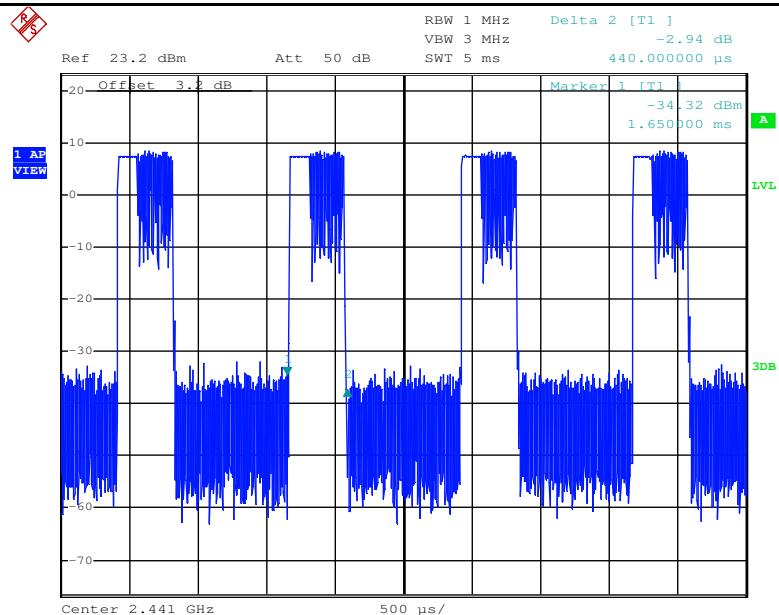
**DH5 mode**



Date: 1.NOV.2014 16:09:58

**Test Graph of Time of Occupancy, EDR mode**

**3-DH1 mode**

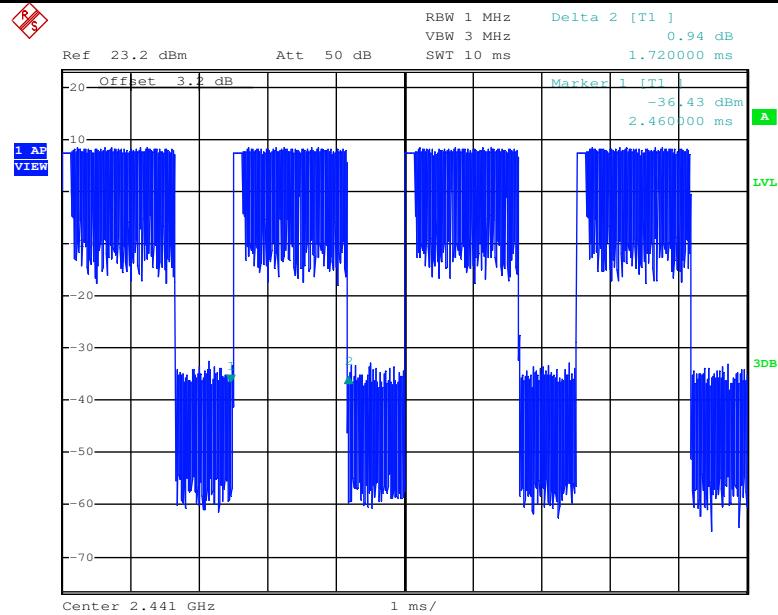


Date: 1.NOV.2014 16:02:44

**Prüfbericht - Nr.: 17042741 001**  
Test Report No.

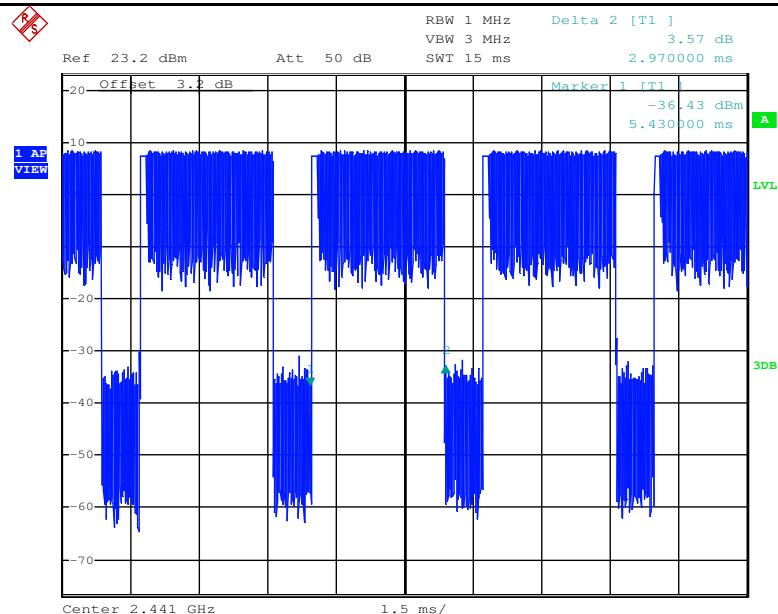
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**3-DH3 mode**



Date: 1.NOV.2014 16:04:25

**3-DH5 mode**



Date: 1.NOV.2014 16:06:25

**Prüfbericht - Nr.: 17042741 001**  
*Test Report No.*

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### 5.1.9 Radiated emissions

#### RESULT:

**Passed**

Date of testing	:	2014-09-20 to 2014-12-03
Test standard	:	FCC Part 15.109
Basic standard	:	ANSI C63.4: 2009
Frequency range	:	30 – 6000MHz
Limits	:	FCC Part 15.109(a)
Kind of test site	:	3m Semi-Anechoic Chamber

#### Test Setup

Input Voltage	:	DC 12V (via AC/DC adapter)
Operation Mode	:	A+D
Ambient temperature	:	23°C
Relative humidity	:	48%
Atmospheric pressure	:	101.0 kPa

Refer to attached Appendix A for details.

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### 5.1.10 Conducted emissions

#### RESULT:

**Passed**

Date of testing	:	2014-09-20 to 2014-12-03
Test standard	:	FCC Part 15.207 FCC Part 15.107
Basic standard	:	ANSI C63.4: 2009
Frequency range	:	0.15MHz – 30MHz
Limits	:	FCC Part 15.207(a) FCC Part 15.107(a)
Kind of test site	:	Shield Room

#### Test Setup

Input Voltage	:	DC 12V (via AC/DC adapter)
Operation Mode	:	A+D
Ambient temperature	:	23°C
Relative humidity	:	50%
Atmospheric pressure	:	101.0 kPa

Refer to attached Appendix A for details.

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## Appendix A

# Test Results of Bluetooth mode

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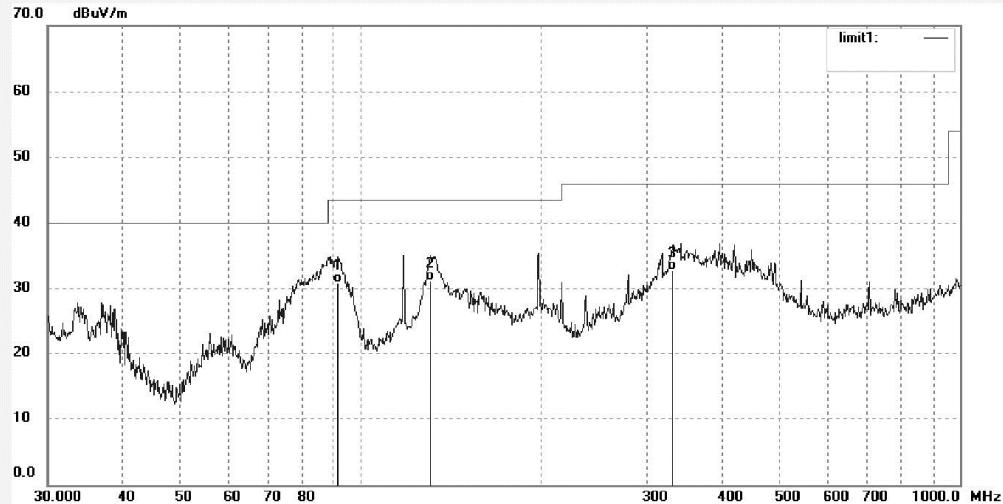
**Appendix A.1: Spurious Emissions of Bluetooth operation****ACCURATE TECHNOLOGY CO., LTD.**F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #169	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2014/09/22
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: WiFi Advisor	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: WFED-300AC	
Manufacturer: JDSU	
Note: Bluetooth	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	91.6994	45.95	-14.99	30.96	43.50	-12.54	QP			
2	130.7632	45.06	-13.89	31.17	43.50	-12.33	QP			
3	330.6220	41.06	-8.33	32.73	46.00	-13.27	QP			



## ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #170

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/09/22

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: WiFi Advisor

Engineer Signature:

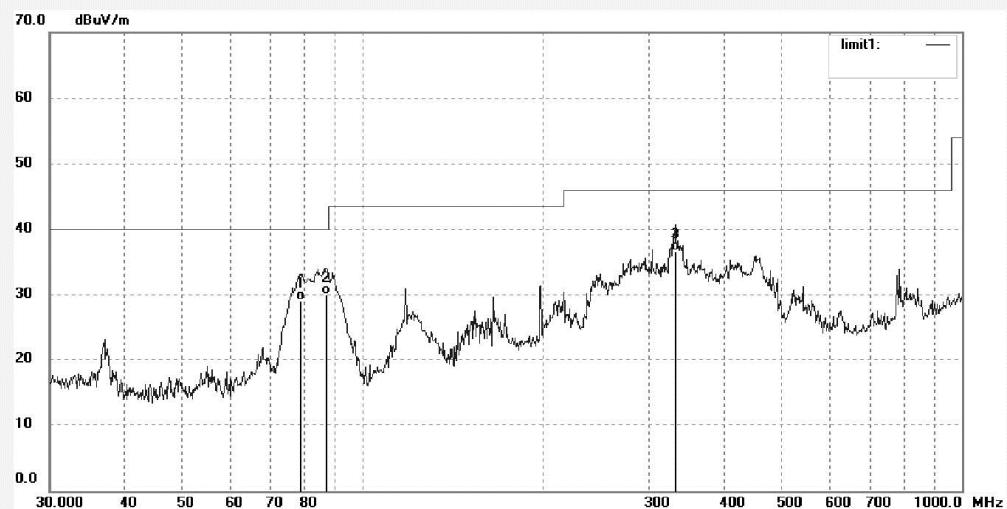
Mode: TX 2402MHz

Distance: 3m

Model: WFED-300AC

Manufacturer: JDSU

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	78.8409	45.78	-16.57	29.21	40.00	-10.79	QP			
2	86.9916	45.35	-15.26	30.09	40.00	-9.91	QP			
3	331.7857	44.92	-8.31	36.61	46.00	-9.39	QP			



## ACCURATE TECHNOLOGY CO., LTD.

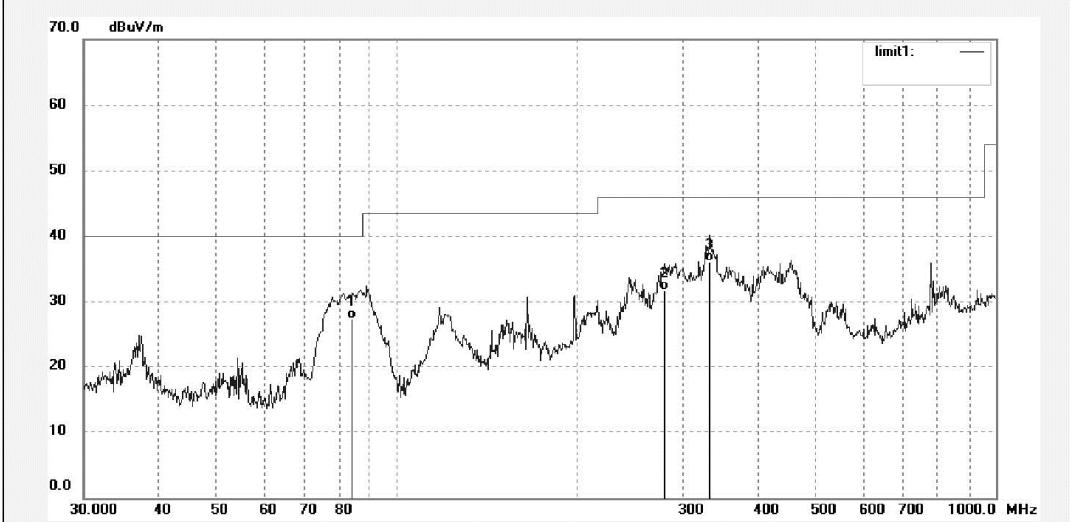
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.:	LAN2 #171	Polarization:	Horizontal
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2014/09/22
Temp. ( C )/Hum.(%)	23 C / 48 %	Time:	
EUT:	WiFi Advisor	Engineer Signature:	
Mode:	TX 2441MHz	Distance:	3m
Model:	WFED-300AC		
Manufacturer:	JDSU		
Note:	Bluetooth		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	84.2839	43.01	-15.55	27.46	40.00	-12.54	QP			
2	279.3104	41.67	-9.87	31.80	46.00	-14.20	QP			
3	332.9534	44.44	-8.29	36.15	46.00	-9.85	QP			



## ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #172

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/09/22

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: WiFi Advisor

Engineer Signature:

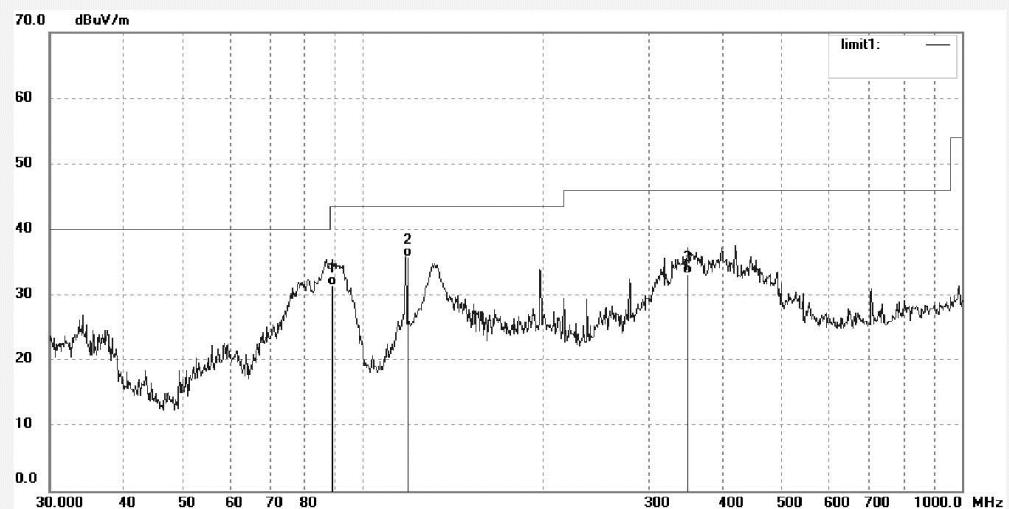
Mode: TX 2441MHz

Distance: 3m

Model: WFED-300AC

Manufacturer: JDSU

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	89.1577	46.59	-15.12	31.47	43.50	-12.03	QP			
2	120.1128	48.97	-13.15	35.82	43.50	-7.68	QP			
3	348.5144	40.99	-7.79	33.20	46.00	-12.80	QP			



## ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #173

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/09/22

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: WiFi Advisor

Engineer Signature:

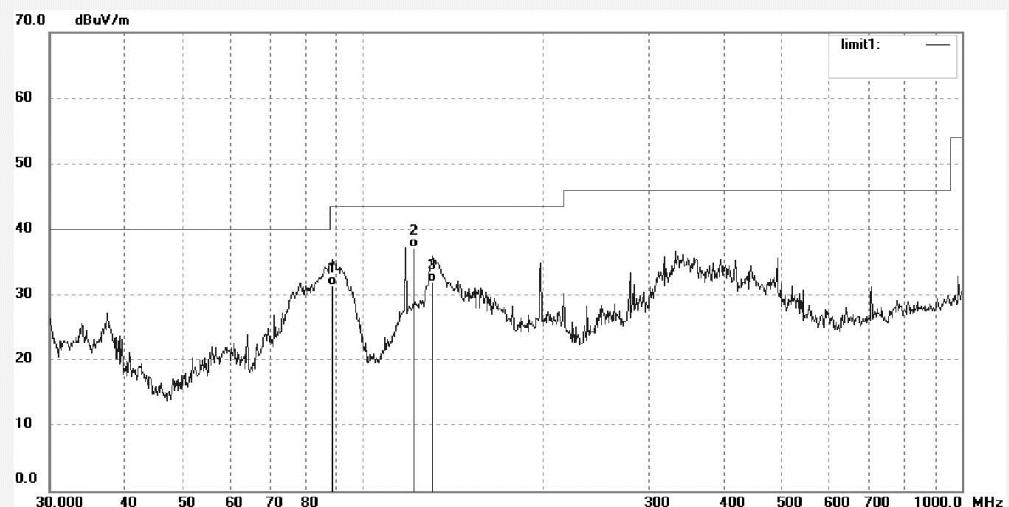
Mode: TX 2480MHz

Distance: 3m

Model: WFED-300AC

Manufacturer: JDSU

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	89.1577	46.51	-15.12	31.39	43.50	-12.11	QP			
2	120.0340	50.30	-13.14	37.16	43.50	-6.34	QP			
3	130.7632	45.84	-13.89	31.95	43.50	-11.55	QP			



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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #174

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/09/22

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: WiFi Advisor

Engineer Signature:

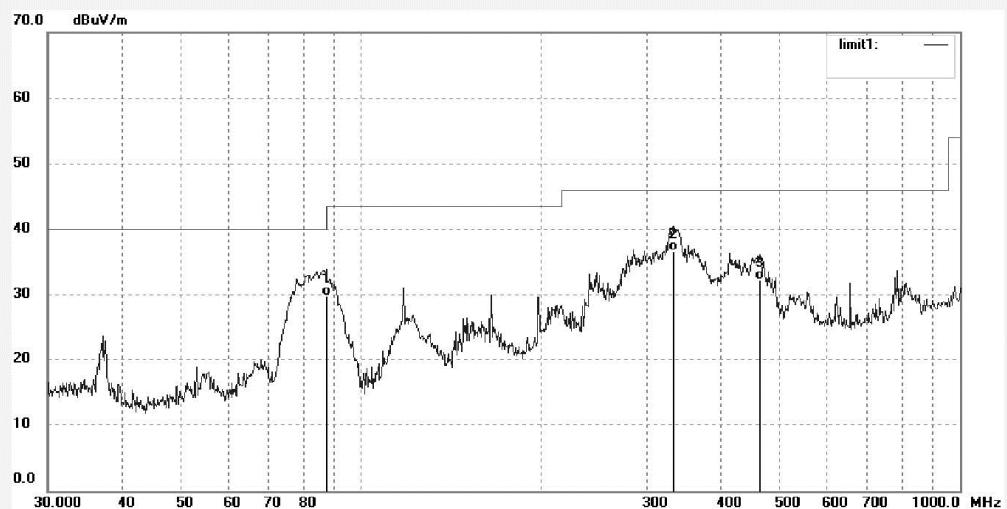
Mode: TX 2480MHz

Distance: 3m

Model: WFED-300AC

Manufacturer: JDSU

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	87.6050	45.01	-15.23	29.78	40.00	-10.22	QP			
2	331.7857	44.89	-8.31	36.58	46.00	-9.42	QP			
3	463.2561	37.81	-5.60	32.21	46.00	-13.79	QP			



## ACCURATE TECHNOLOGY CO., LTD.

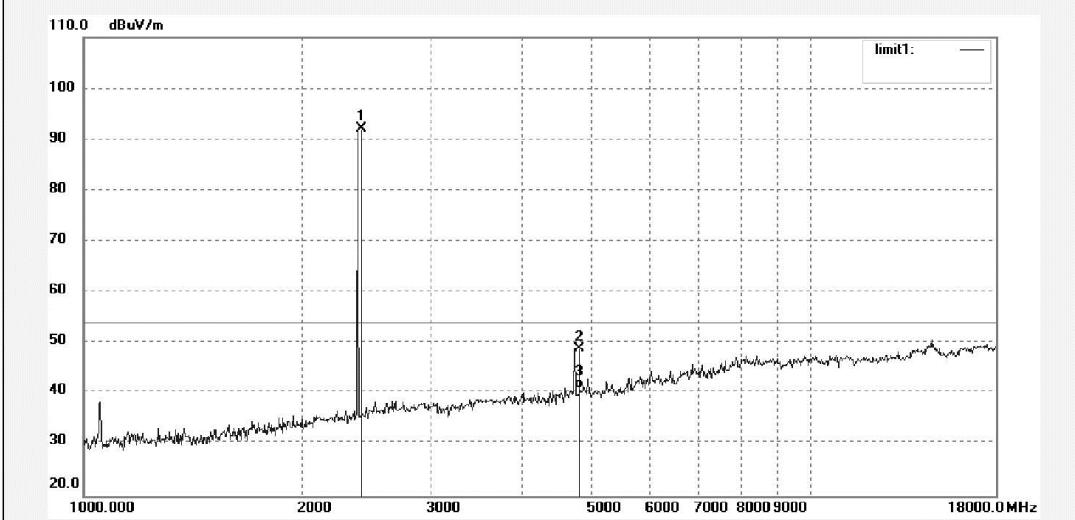
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.:	LAN2 #221	Polarization:	Horizontal
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2014/09/22
Temp. ( C )/Hum.(%)	23 C / 48 %	Time:	
EUT:	WiFi Advisor	Engineer Signature:	
Mode:	TX 2402MHz	Distance:	3m
Model:	WFED-300AC		
Manufacturer:	JDSU		
Note:	Bluetooth		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	99.66	-7.45	92.21	/	/	peak			
2	4804.012	49.25	-0.30	48.95	74.00	-25.05	peak			
3	4804.012	41.43	-0.30	41.13	54.00	-12.87	AVG			



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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #222

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/09/22

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: WiFi Advisor

Engineer Signature:

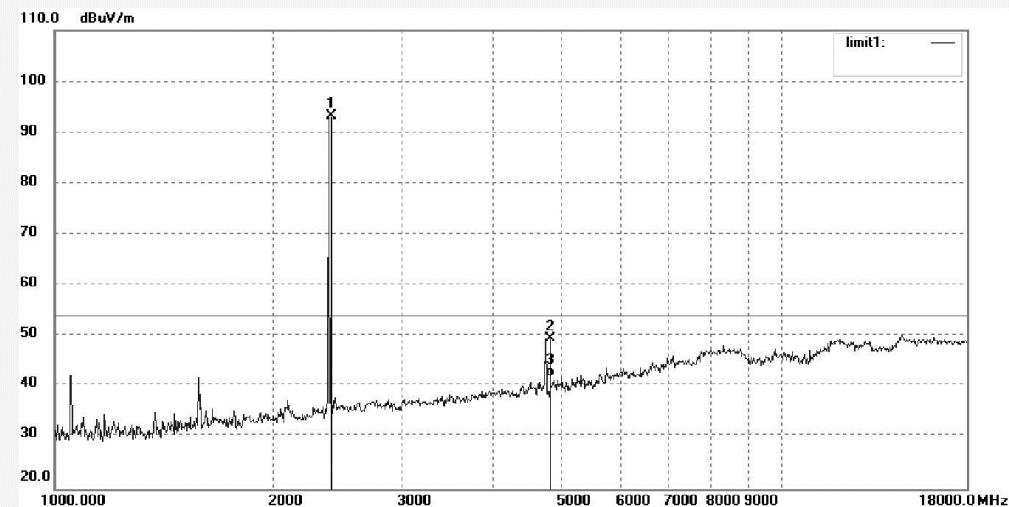
Mode: TX 2402MHz

Distance: 3m

Model: WFED-300AC

Manufacturer: JDSU

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	100.63	-7.45	93.18	/	/	peak			
2	4804.028	49.85	-0.30	49.55	74.00	-24.45	peak			
3	4804.028	42.21	-0.30	41.91	54.00	-12.09	AVG			



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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #223

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/09/22

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: WiFi Advisor

Engineer Signature:

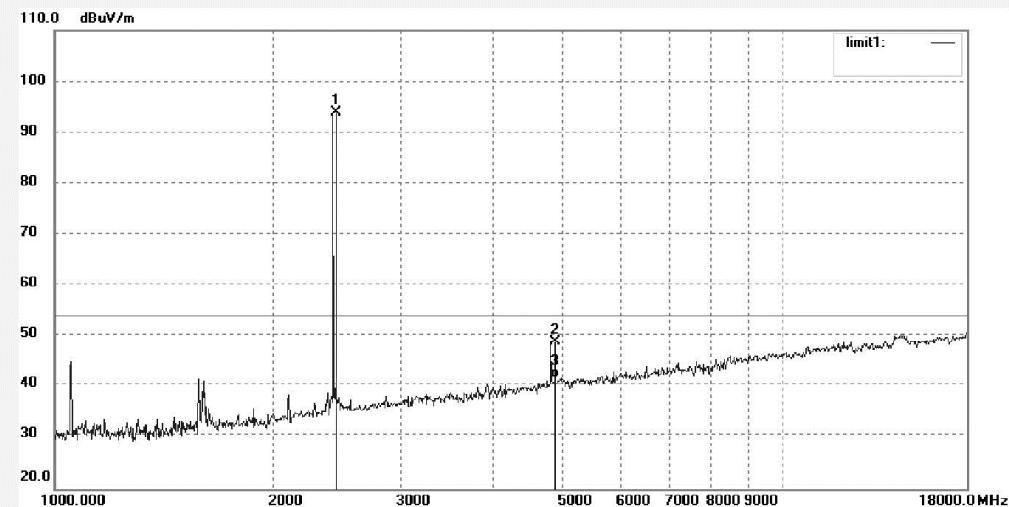
Mode: TX 2441MHz

Distance: 3m

Model: WFED-300AC

Manufacturer: JDSU

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	101.35	-7.35	94.00	/	/	peak			
2	4882.034	48.83	0.14	48.97	74.00	-25.03	peak			
3	4882.034	41.59	0.14	41.73	54.00	-12.27	AVG			



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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #224

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/09/22

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: WiFi Advisor

Engineer Signature:

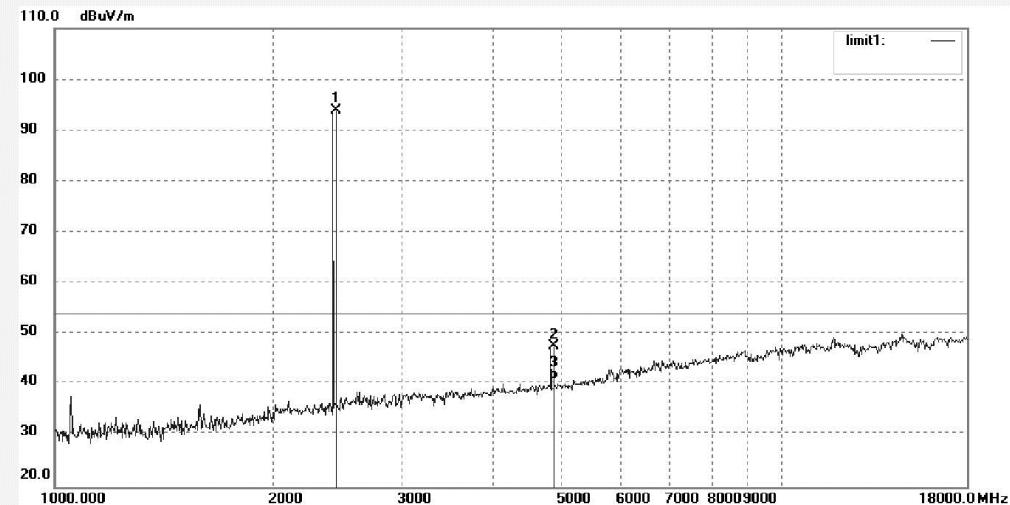
Mode: TX 2441MHz

Distance: 3m

Model: WFED-300AC

Manufacturer: JDSU

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	101.28	-7.35	93.93	/	/	peak			
2	4882.033	47.43	0.14	47.57	74.00	-26.43	peak			
3	4882.033	40.85	0.14	40.99	54.00	-13.01	AVG			

## Appendix A



Produkte

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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: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #225

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/09/22

Temp. ( C)/Hum.(%) 23 C / 48 %

Time:

EUT: WiFi Advisor

Engineer Signature:

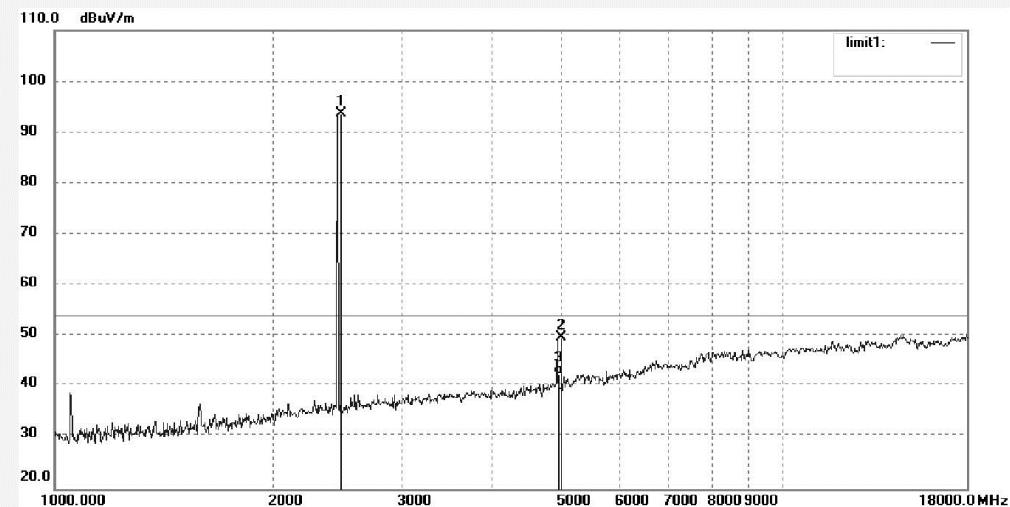
Mode: TX 2480MHz

Distance: 3m

Model: WFED-300AC

Manufacturer: JDSU

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	101.15	-7.37	93.78	/	/	peak			
2	4960.024	49.40	0.52	49.92	74.00	-24.08	peak			
3	4960.024	41.82	0.52	42.34	54.00	-11.66	AVG			



## ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #226

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/09/22

Temp. ( C)/Hum.(%) 23 C / 48 %

Time:

EUT: WiFi Advisor

Engineer Signature:

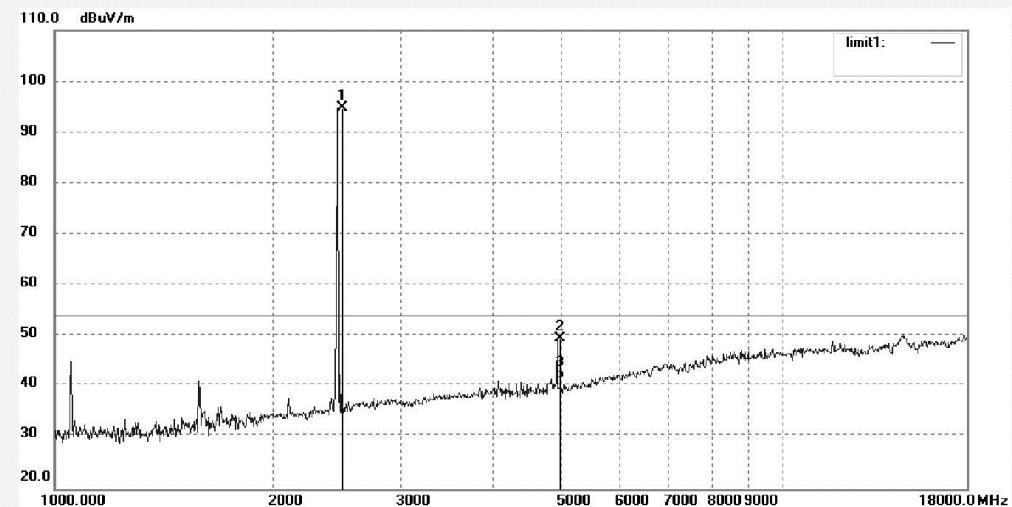
Mode: TX 2480MHz

Distance: 3m

Model: WFED-300AC

Manufacturer: JDSU

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	102.11	-7.37	94.74	/	/	peak			
2	4960.016	49.15	0.52	49.67	74.00	-24.33	peak			
3	4960.016	41.03	0.52	41.55	54.00	-12.45	AVG			

## Appendix A



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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: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PZ #1148

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/11/01

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: WiFi Advisor

Engineer Signature:

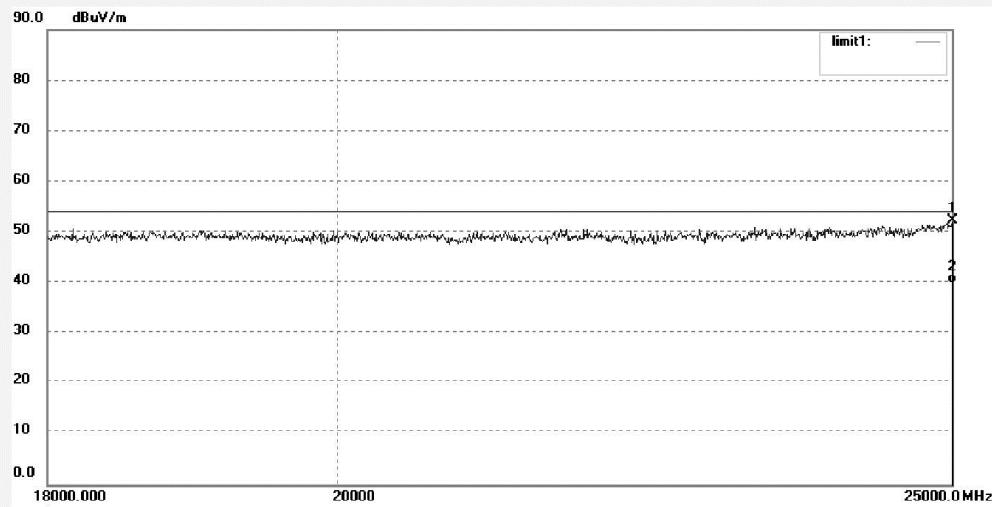
Mode: TX 2402MHz

Distance: 3m

Model: WFED-300AC

Manufacturer: JDSU

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25000.000	33.39	18.90	52.29	74.00	-21.71	peak			
2	25000.000	21.04	18.90	39.94	54.00	-14.06	AVG			



## ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PZ #1149

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/11/01

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: WiFi Advisor

Engineer Signature:

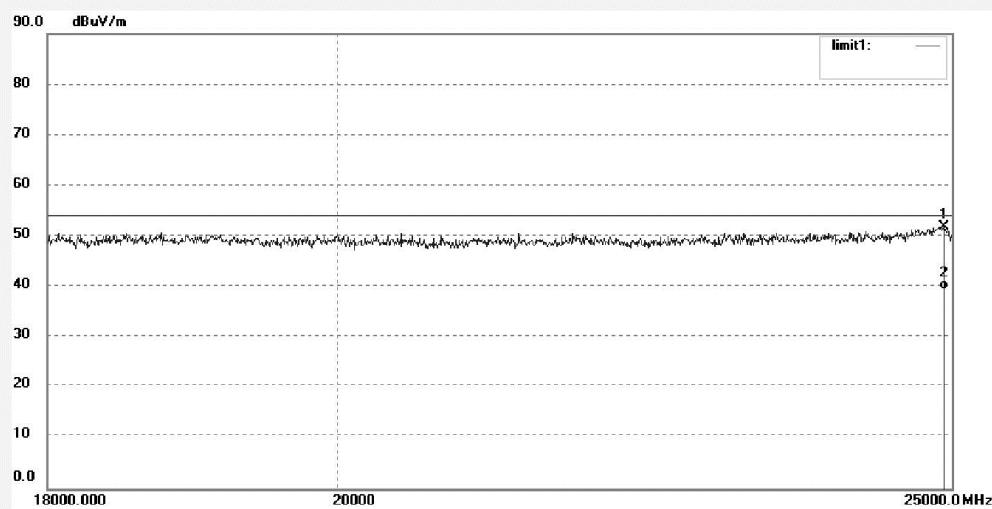
Mode: TX 2402MHz

Distance: 3m

Model: WFED-300AC

Manufacturer: JDSU

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24926.048	33.03	18.80	51.83	74.00	-22.17	peak			
2	24926.048	20.65	18.80	39.45	54.00	-14.55	AVG			

## Appendix A



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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: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PZ #1150

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/11/01/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: WiFi Advisor

Engineer Signature:

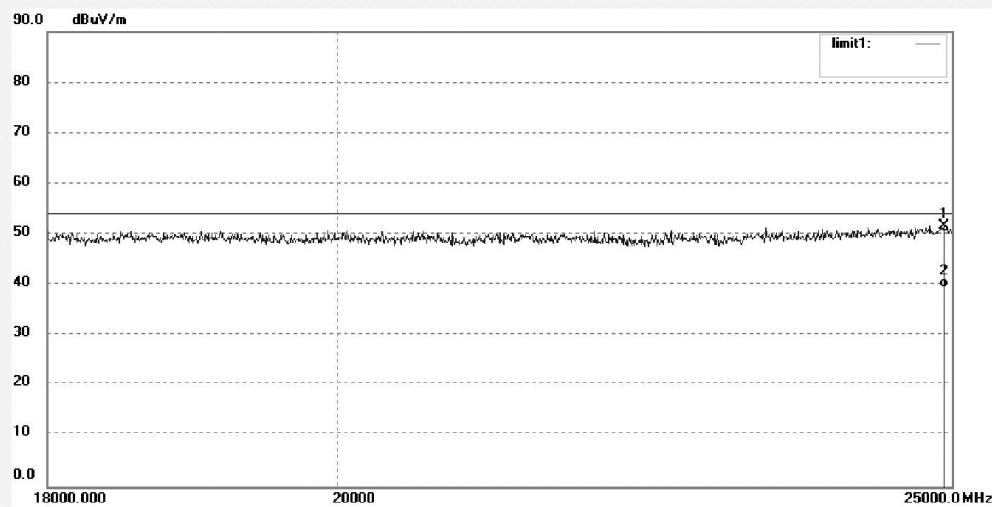
Mode: TX 2441MHz

Distance: 3m

Model: WFED-300AC

Manufacturer: JDSU

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24926.048	32.77	18.80	51.57	74.00	-22.43	peak			
2	24926.048	20.69	18.80	39.49	54.00	-14.51	Avg			

## Appendix A



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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: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PZ #1151

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/11/01

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: WiFi Advisor

Engineer Signature:

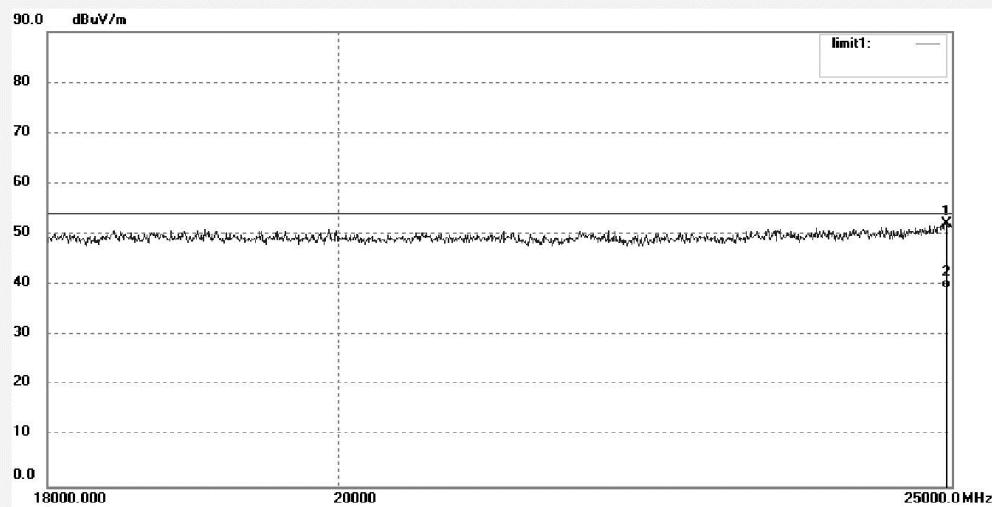
Mode: TX 2441MHz

Distance: 3m

Model: WFED-300AC

Manufacturer: JDSU

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24950.674	33.21	18.83	52.04	74.00	-21.96	peak			
2	24950.674	20.52	18.83	39.35	54.00	-14.65	AVG			

## Appendix A



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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: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PZ #1152

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/11/01

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: WiFi Advisor

Engineer Signature:

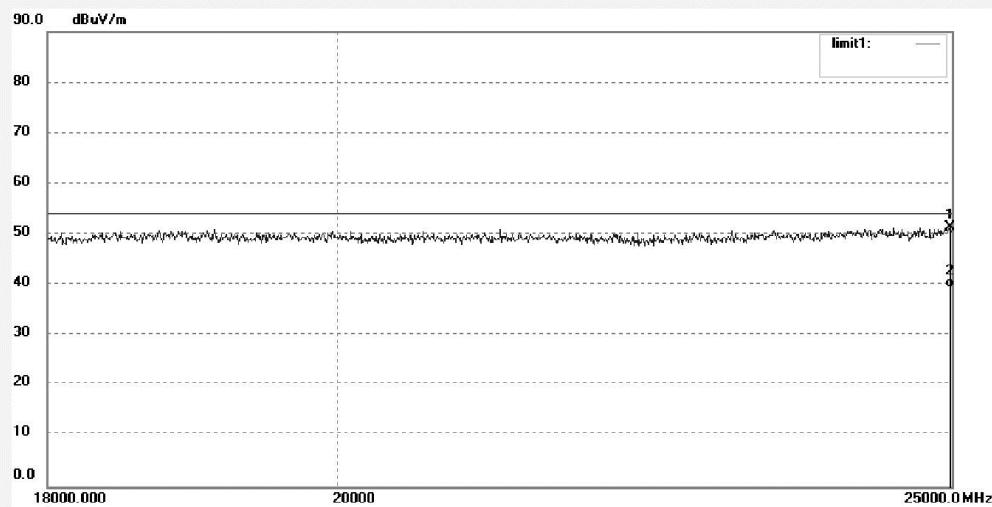
Mode: TX 2480MHz

Distance: 3m

Model: WFED-300AC

Manufacturer: JDSU

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24983.547	32.43	18.88	51.31	74.00	-22.69	peak			
2	24983.547	20.54	18.88	39.42	54.00	-14.58	AVG			

## Appendix A



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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: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PZ #1153

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/11/01/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: WiFi Advisor

Engineer Signature:

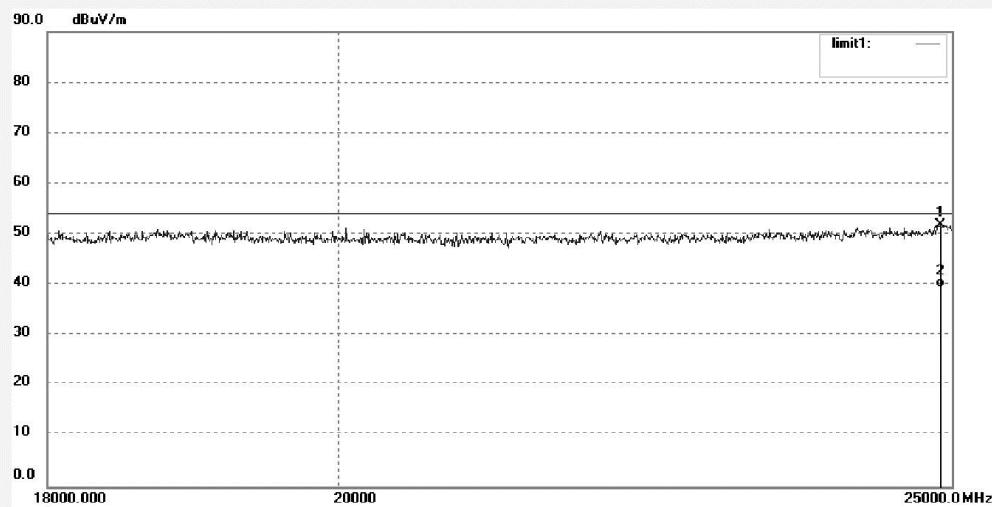
Mode: TX 2480MHz

Distance: 3m

Model: WFED-300AC

Manufacturer: JDSU

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24893.251	33.22	18.75	51.97	74.00	-22.03	peak			
2	24893.251	20.72	18.75	39.47	54.00	-14.53	AVG			

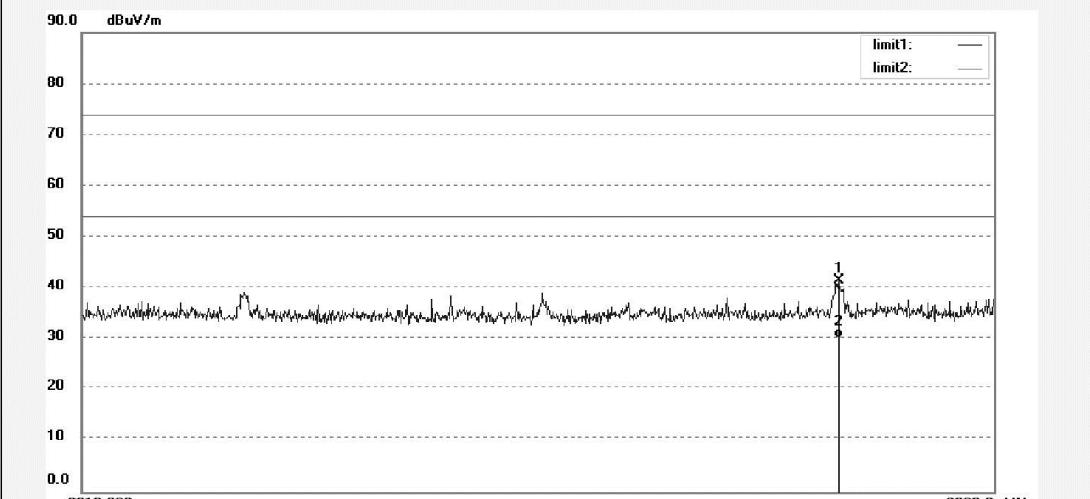
**Appendix A.2: Radiated Emissions in Restricted Bands****ACCURATE TECHNOLOGY CO., LTD.**F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #227	Polarization: Vertical
Standard: FCC(Band Edge)	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2014/09/22
Temp. ( C)/Hum. (%) 23 C / 48 %	Time:
EUT:	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model:	
Manufacturer: JDSU	
Note: Bluetooth	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2376.180	49.08	-7.62	41.46	74.00	-32.54	peak			
2	2376.180	37.97	-7.62	30.35	54.00	-23.65	AVG			



## ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #228

Polarization: Horizontal

Standard: FCC(Band Edge)

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/09/22

Temp. ( C )/Hum.(%) 23 C / 48 %

Time:

EUT:

Engineer Signature:

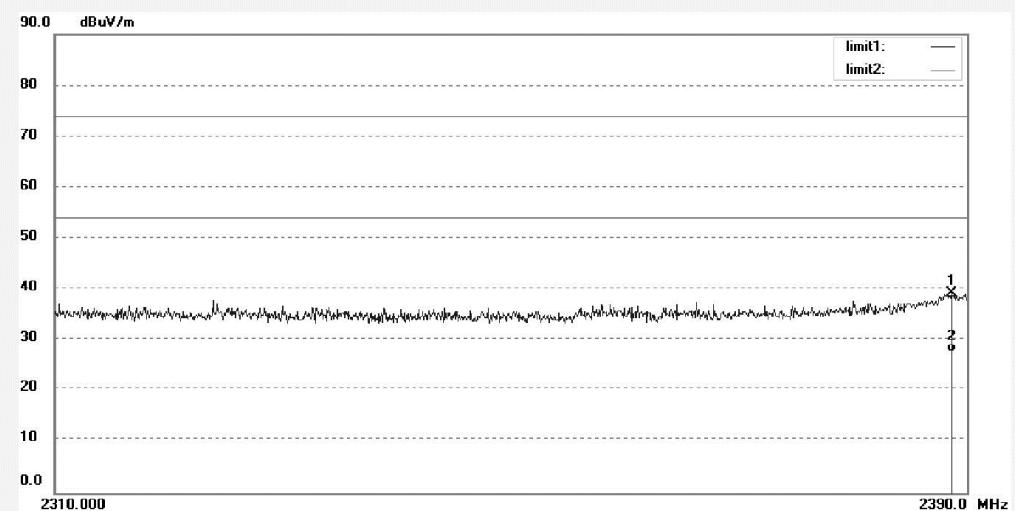
Mode: TX 2402MHz

Distance: 3m

Model:

Manufacturer: JDSU

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2388.614	46.77	-7.54	39.23	74.00	-34.77	peak			
2	2388.614	35.18	-7.54	27.64	54.00	-26.36	AVG			



## ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #229

Polarization: Horizontal

Standard: FCC(Band Edge)

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/09/22

Temp. ( C )/Hum.(%) 23 C / 48 %

Time:

EUT:

Engineer Signature:

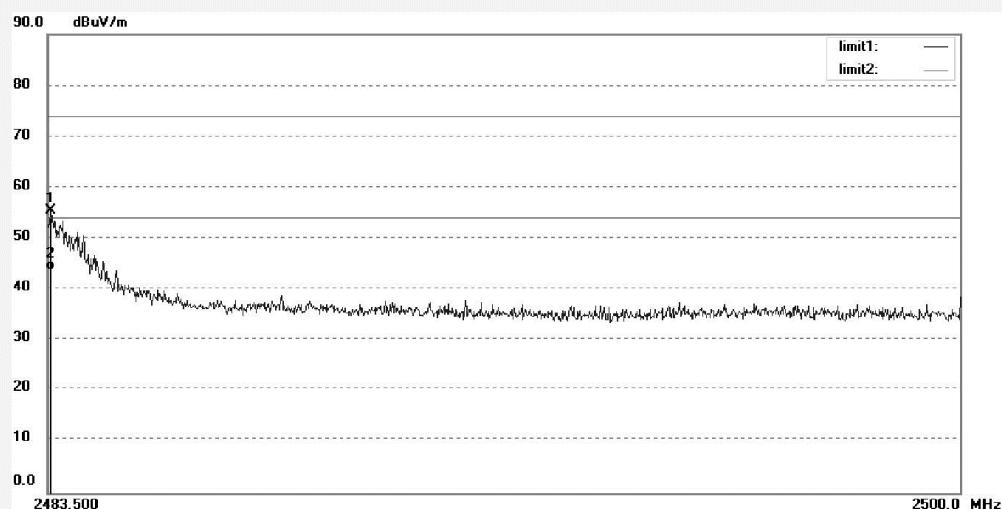
Mode: TX 2480MHz

Distance: 3m

Model:

Manufacturer: JDSU

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.549	62.88	-7.37	55.51	74.00	-18.49	peak			
2	2483.549	51.09	-7.37	43.72	54.00	-10.28	AVG			



## ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #230

Polarization: Vertical

Standard: FCC(Band Edge)

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/09/22

Temp. ( C )/Hum.(%) 23 C / 48 %

Time:

EUT:

Engineer Signature:

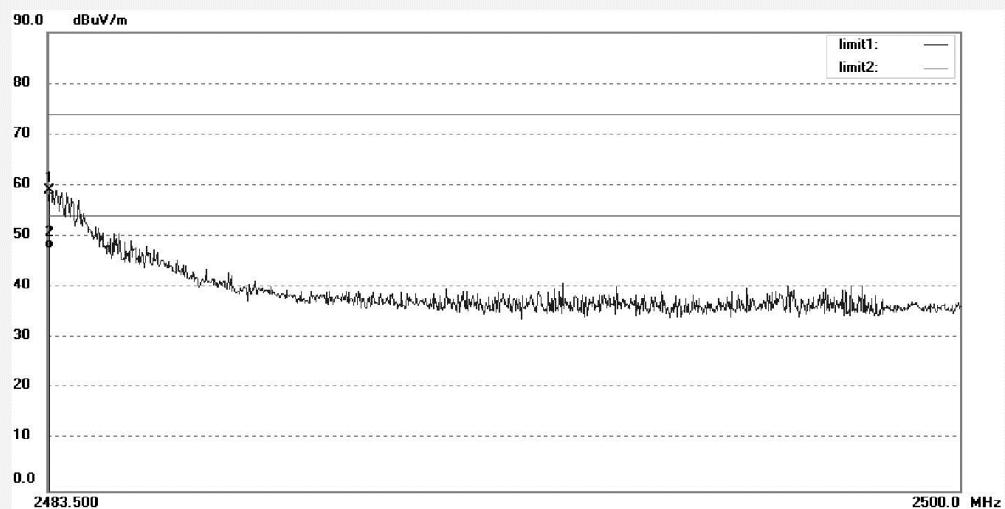
Mode: TX 2480MHz

Distance: 3m

Model:

Manufacturer: JDSU

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.533	66.52	-7.37	59.15	74.00	-14.85	peak			
2	2483.533	54.97	-7.37	47.60	54.00	-6.40	AVG			

**Appendix A.3: Radiated Emissions****ACCURATE TECHNOLOGY CO., LTD.**F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #624

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/11/21/

Temp. ( C )/Hum.(%) 23 C / 48 %

Time:

EUT: WiFi Advisor

Engineer Signature: PEI

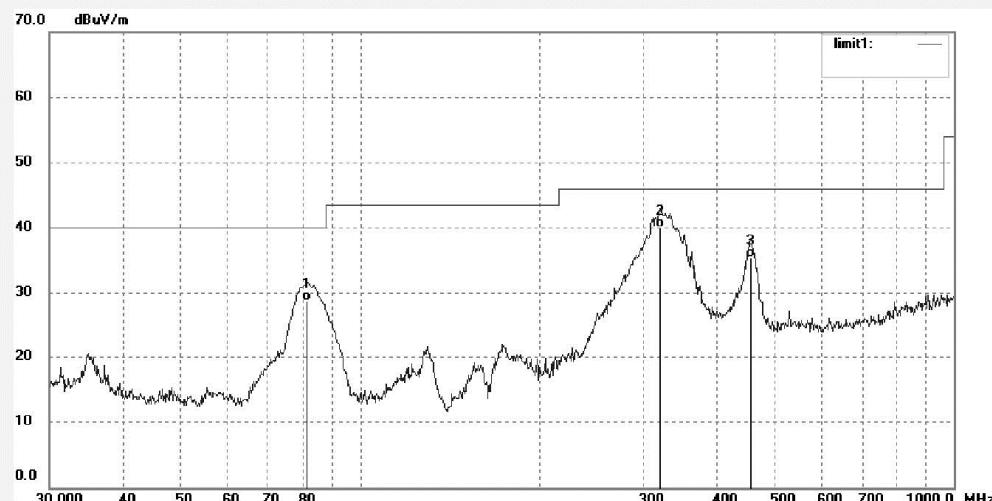
Mode: Battery Charging

Distance: 3m

Model: WFFD-300AC

Manufacturer: JDSU

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	81.4969	44.97	-16.18	28.79	40.00	-11.21	QP			
2	319.9370	48.77	-8.75	40.02	46.00	-5.98	QP			
3	454.3100	41.10	-5.72	35.38	46.00	-10.62	QP			



## ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #625

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/11/21

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: WiFi Advisor

Engineer Signature: PEI

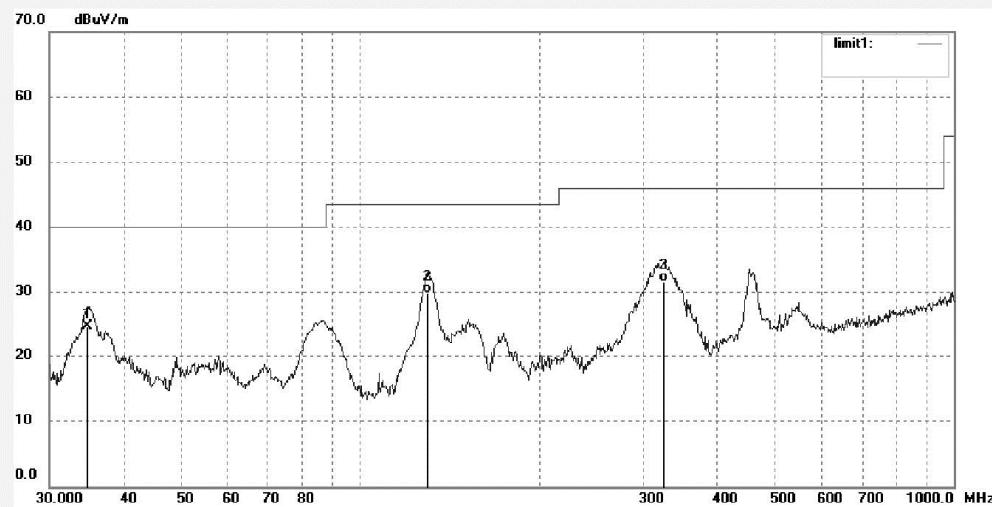
Mode: Battery Charging

Distance: 3m

Model: WFFD-300AC

Manufacturer: JDSU

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.7601	35.18	-10.39	24.79	40.00	-15.21	QP			
2	129.9225	43.77	-13.86	29.91	43.50	-13.59	QP			
3	324.4560	40.15	-8.56	31.59	46.00	-14.41	QP			



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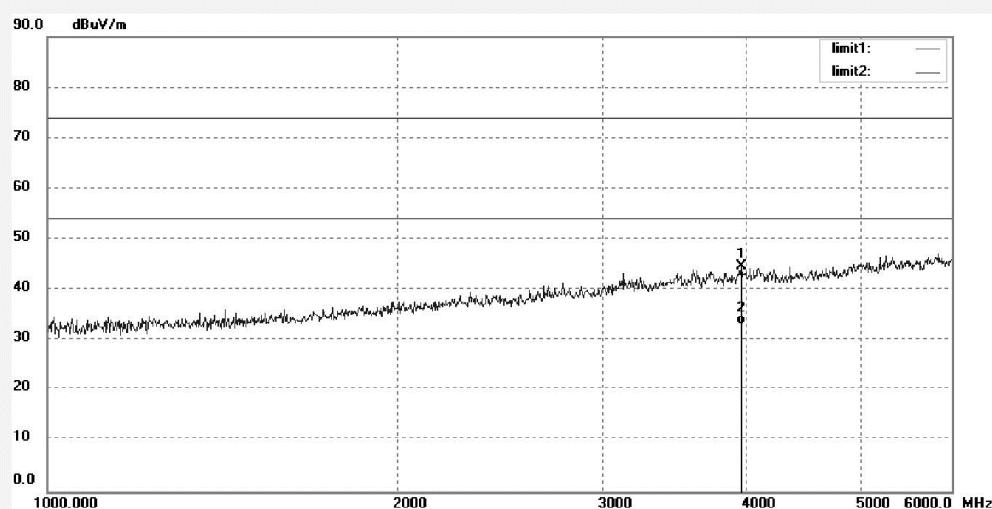
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.:	LAN2 #626	Polarization:	Vertical
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	14/11/21
Temp.( C)/Hum.(%)	23 C / 48 %	Time:	
EUT:	WiFi Advisor	Engineer Signature:	PEI
Mode:	Battery Charging	Distance:	3m
Model:	WFFD-300AC		
Manufacturer:	JDSU		

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	3952.228	46.56	-1.85	44.71	74.00	-29.29	peak			
2	3952.228	34.94	-1.85	33.09	54.00	-20.91	AVG			

## Appendix A



Produkte

Products

**17042741 001**

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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: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #627

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/11/21/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: WiFi Advisor

Engineer Signature: PEI

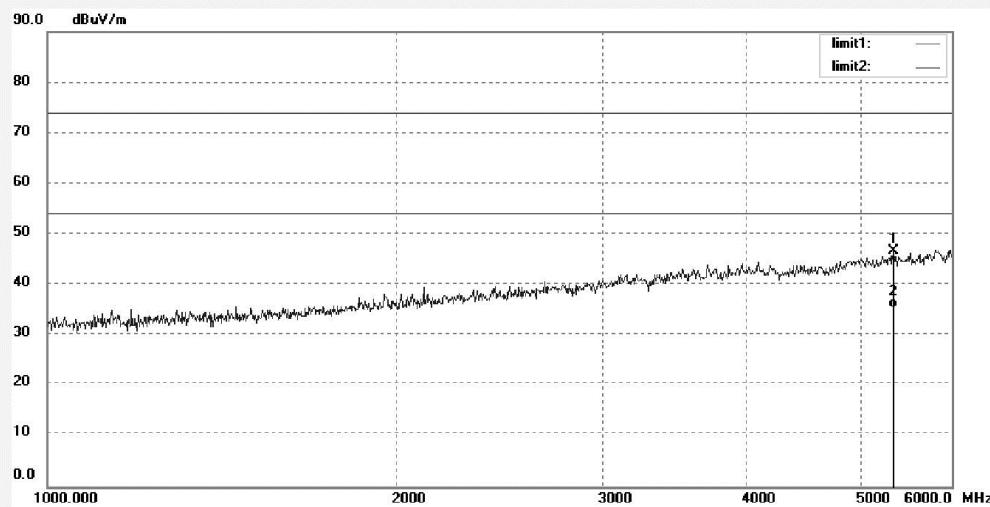
Mode: Battery Charging

Distance: 3m

Model: WFFD-300AC

Manufacturer: JDSU

Note:



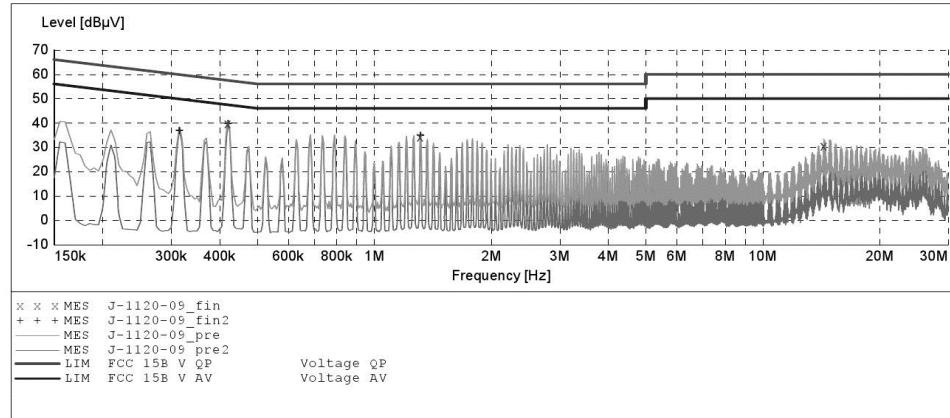
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5340.371	45.74	0.88	46.62	74.00	-27.38	peak			
2	5340.371	34.54	0.88	35.42	54.00	-18.58	AVG			

**Appendix A.4: Conducted Emissions****ACCURATE TECHNOLOGY CO., LTD****CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: WiFi Advisor M/N:WFFD-300AC  
 Manufacturer: JDSU  
 Operating Condition: On with Bluetooth  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: L 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 11/20/2014 /

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: - SUB\_STP\_VTERM2 1.70  
 Start Stop Step - Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average

**MEASUREMENT RESULT: "J-1120-09\_fin"**

11/20/2014	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB $\mu$ V	dB	dB $\mu$ V	dB			
	0.420000	39.50	10.7	57	17.9	QP	L1	GND
	1.315000	34.20	10.9	56	21.8	QP	L1	GND
	14.375000	30.40	11.4	60	29.6	QP	L1	GND

**MEASUREMENT RESULT: "J-1120-09\_fin2"**

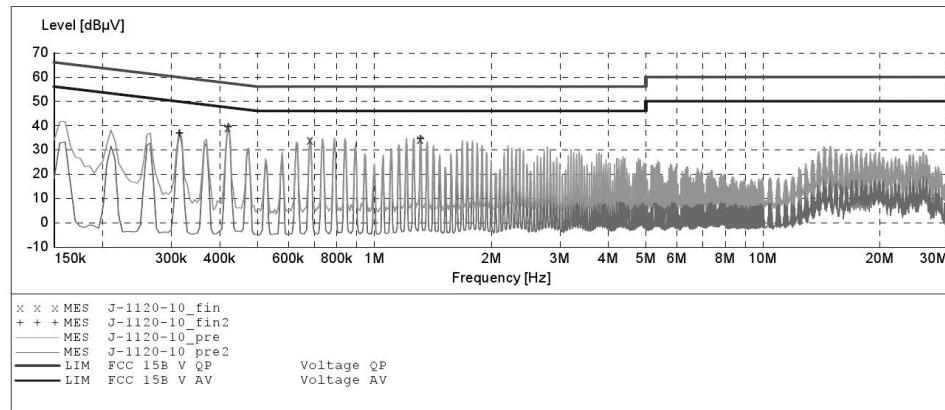
11/20/2014	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB $\mu$ V	dB	dB $\mu$ V	dB			
	0.315000	36.60	10.6	50	13.2	AV	L1	GND
	0.420000	39.70	10.7	47	7.7	AV	L1	GND
	1.315000	34.60	10.9	46	11.4	AV	L1	GND

**ACCURATE TECHNOLOGY CO., LTD****CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: WiFi Advisor M/N:WFFD-300AC  
 Manufacturer: JDSU  
 Operating Condition: On with Bluetooth  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: N 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 11/20/2014 /

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: -SUB\_STD\_VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw. NSLK8126 2008  
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz Average

**MEASUREMENT RESULT: "J-1120-10\_fin"**

11/20/2014	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB $\mu$ V	dB	dB $\mu$ V	dB			
	0.420000	39.10	10.7	57	18.3	QP	N	GND
	0.685000	34.00	10.8	56	22.0	QP	N	GND
	1.315000	34.10	10.9	56	21.9	QP	N	GND

**MEASUREMENT RESULT: "J-1120-10\_fin2"**

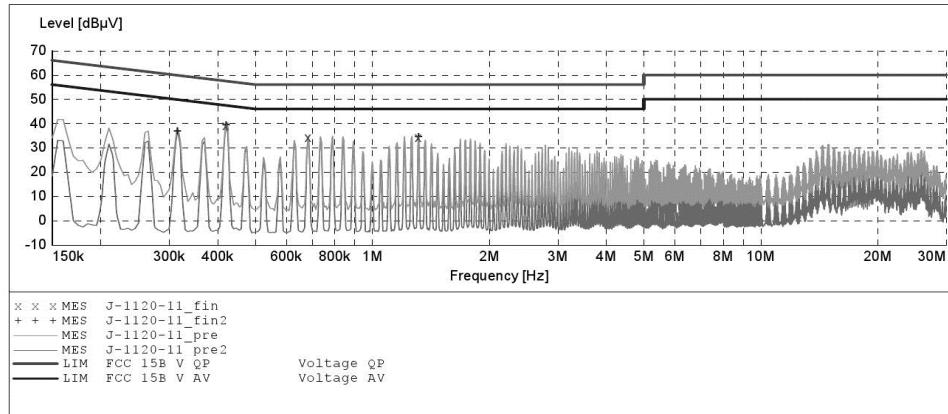
11/20/2014	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB $\mu$ V	dB	dB $\mu$ V	dB			
	0.315000	36.70	10.6	50	13.1	AV	N	GND
	0.420000	39.30	10.7	47	8.1	AV	N	GND
	1.315000	34.50	10.9	46	11.5	AV	N	GND

**ACCURATE TECHNOLOGY CO., LTD****CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: WiFi Advisor M/N:WFFD-300AC  
 Manufacturer: JDSU  
 Operating Condition: Battery Charging  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: N 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 11/20/2014 /

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: -SUB\_STD\_VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw. NSLK8126 2008  
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz Average

**MEASUREMENT RESULT: "J-1120-11\_fin"**

11/20/2014	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB $\mu$ V	dB	dB $\mu$ V	dB			
	0.420000	39.10	10.7	57	18.3	QP	N	GND
	0.685000	34.10	10.8	56	21.9	QP	N	GND
	1.315000	34.10	10.9	56	21.9	QP	N	GND

**MEASUREMENT RESULT: "J-1120-11\_fin2"**

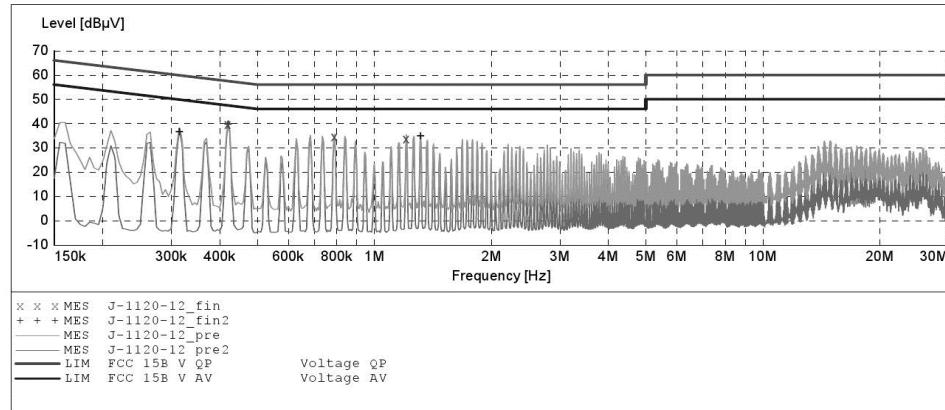
11/20/2014	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB $\mu$ V	dB	dB $\mu$ V	dB			
	0.315000	36.70	10.6	50	13.1	AV	N	GND
	0.420000	39.30	10.7	47	8.1	AV	N	GND
	1.315000	34.50	10.9	46	11.5	AV	N	GND

**ACCURATE TECHNOLOGY CO., LTD****CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: WiFi Advisor M/N:WFFD-300AC  
 Manufacturer: JDSU  
 Operating Condition: Battery Charging  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: L 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 11/20/2014 /

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: -SUB\_STD\_VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw. NSLK8126 2008  
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz Average

**MEASUREMENT RESULT: "J-1120-12\_fin"**

11/20/2014	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB $\mu$ V	dB	dB $\mu$ V	dB			
	0.420000	39.50	10.7	57	17.9	QP	L1	GND
	0.790000	34.30	10.8	56	21.7	QP	L1	GND
	1.210000	33.70	10.9	56	22.3	QP	L1	GND

**MEASUREMENT RESULT: "J-1120-12\_fin2"**

11/20/2014	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB $\mu$ V	dB	dB $\mu$ V	dB			
	0.315000	36.50	10.6	50	13.3	AV	L1	GND
	0.420000	39.70	10.7	47	7.7	AV	L1	GND
	1.315000	34.60	10.9	46	11.4	AV	L1	GND