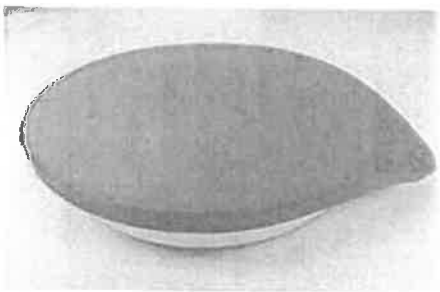
Prüfbericht-Nr.: *Test Report No.:*	17043151 001	**Auftrags-Nr.:** *Order No.:*	164018179	Seite 1 von 57 *Page 1 of 57*
Kunden-Referenz-Nr.: *Client Reference No.:*	N/A	**Auftragsdatum:** *Order date:*	16.07.2014	
Auftraggeber: *Client:*	Adaptics Ltd. Unit 3, Excise Building, Mayor Sq. IFSC,Dublin ,Ireland			
Prüfgegenstand: *Test item:*	Drop			
Bezeichnung / Typ-Nr.: *Identification / Type No.:*	D600A			
Auftrags-Inhalt: *Order content:*	FCC Certification IC Certification			
Prüfgrundlage: *Test specification:*	FCC CFR47 Part 15: Subpart C Section 15.247 FCC CFR47 Part 15: Subpart C Section 15.207 FCC CFR47 Part 15: Subpart C Section 15.209 FCC KDB publication 447498 D01 v05r02 RSS-Gen Issue 3 December 2010 RSS-210 Issue 8 December 2010 RSS-102 Issue 4 March 2010			
Wareneingangsdatum: *Date of receipt:*	16.07.2014			
Prüfmuster-Nr.: *Test sample No.:*	A000104500 001-003			
Prüfzeitraum: *Testing period:*	16.09.2014 - 21.09.2014			
Ort der Prüfung: *Place of testing:*	Accurate Technology Co., Ltd.			
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: *Test result*:*	Pass			



geprüft von / *tested by*:			**kontrolliert von / *reviewed by*:**		
10.10.2014	Tom Wang/Assistant Project Manager		10.10.2014	Winnie Hou/Technical Certifier	
Datum *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*	**Datum** *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*

Sonstiges / *Other*:

FCC ID: 2ACAY-D600A
IC: 11947A-D600A

Zustand des Prüfgegenstandes bei Anlieferung: Prüfmuster vollständig und unbeschädigt
Condition of the test item at delivery: *Test item complete and undamaged*

* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend	5 = mangelhaft
	P(ass) = entspricht o.g. Prüfgrundlage(n)		F(ail) = 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(ail) = failed a.m. test specification(s)*	*N/A = not applicable*	*N/T = not tested*

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT
RESULT: Pass

5.1.2 PEAK OUTPUT POWER
RESULT: Pass

5.1.3 POWER DENSITY
RESULT: Pass

5.1.4 6DB BANDWIDTH
RESULT: Pass

5.1.5 99% BANDWIDTH
RESULT: Pass

5.1.6 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100KHZ BANDWIDTH
RESULT: Pass

5.1.7 RADIATED SPURIOUS EMISSIONS
RESULT: Pass

6.1.1 ELECTROMAGNETIC FIELDS
RESULT: Pass

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1. General Remarks

1.1 Complementary Materials

None.

2. Test Sites

2.1 Test Facilities

Accurate Technology Co., Ltd.
F1, Bldg. A, Changyuan New Meterial Port, Keyuan Rd., Science & Industry Park
Nanshan District, Shenzhen 518057, P.R. China
FCC Registration No.: 752051
IC OATS Registration No.: 5077A-2

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
Spurious emission and Radiated emission				
Spectrum Analyzer	Agilent	E7405A	MY45115511	2015-01-11
Test Receiver	Rohde & Schwarz	ESCS30	100307	2015-01-11
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2015-01-11
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2015-01-11
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2015-01-11
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2015-01-11
Pre-Amplifier	Rohde & Schwarz	CBLU11835 40-01	3791	2015-01-11
Broadband antenna	CHASE	CBL6111C	2576	2015-01-11
Horn Antenna	AR	AT4002A	305754	2015-01-11
Radio Test Suite				
Receiver	Rohde & Schwarz	FSV40	101495	2015-01-11
Conducted Emission				
Test Receiver	Rohde & Schwarz	ESCS30	100307	2015-01-11
Artificial Mains Network	Schwarzbeck	NLSK8126	8126431	2015-01-11
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100815	2015-01-11
50_ Coaxial Switch	Anritsu Corp	MP59B	6200283933	2015-01-11

2.3 Traceability

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

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 basis using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements are ±3dB.

2.6 Location of Original Data

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

2.7 Status of Facility Used for Testing

The Shenzhen Emtek Co., Ltd..located at Bldg 69,Majialong Industry Zone,Nanshan District, Shenzhen, P.R. China, is listed on the US Federal Communications Commission list of facilities and Industry Canada OATS list approved to perform measurements.

3. General Product Information

3.1 Product Function and Intended Use

The EUT is a weight scale product use Bluetooth 4.0 low energy technology.
For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

Table 2: Rating of EUT

Product Name	Drop
Product Discription	Drop, the Connected Kitchen Scale
Type Designation:	D600A
FCC ID	2ACAY-D600A
IC	11947A-D600A

Table 3: Technical Specification of EUT

Technical Specification	Value
Operating Frequency	2402-2480MHz
Rated Voltage	DC 3.0V
Modulation	GFSK
Number of channel	40
Chanel spacing	2MHz
Bluetooth version	Bluetooth 4.0 (single mode)
Rated Maximum RF Power (e.i.r.p.)	-4 dBm
Antenna type and Gain	PCB Antenna, 0 dBi

3.3 Independent Operation Modes

The basic operation modes are:

A. Transmitting
B. Receiving
C. Standby
D. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- Block Diagram
- Bill of Material
- Rating Label
- Circuit Diagram
- Instruction Manual

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

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.

Immunity: The equipment under test (EUT) was configured to have its highest possible susceptibility against the tested phenomena. The test modes were adapted accordingly in reference to the instructions for use.

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.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5.

Table 4: RF channel and frequency of EUT

RF Channel of Bluetooth Low Energy (LE)							
RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402.00	10	2422.00	20	2442.00	30	2462.00
1	2404.00	11	2424.00	21	2444.00	31	2464.00
2	2406.00	12	2426.00	22	2446.00	32	2466.00
3	2408.00	13	2428.00	23	2448.00	33	2468.00
4	2410.00	14	2430.00	24	2450.00	34	2470.00
5	2412.00	15	2432.00	25	2452.00	35	2472.00
6	2414.00	16	2434.00	26	2454.00	36	2474.00

7	2416.00	17	2436.00	27	2456.00	37	2476.00
8	2418.00	18	2438.00	28	2458.00	38	2478.00
9	2420.00	19	2440.00	29	2460.00	39	2480.00

4.3 Special Accessories and Auxiliary Equipment

Auxiliary equipment:

Description	Manufacturer	Model	S/N
iPad	Apple	A1489	F4MMGN5FFCM8

4.4 Countermeasures to Achieve ERM Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF). No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test

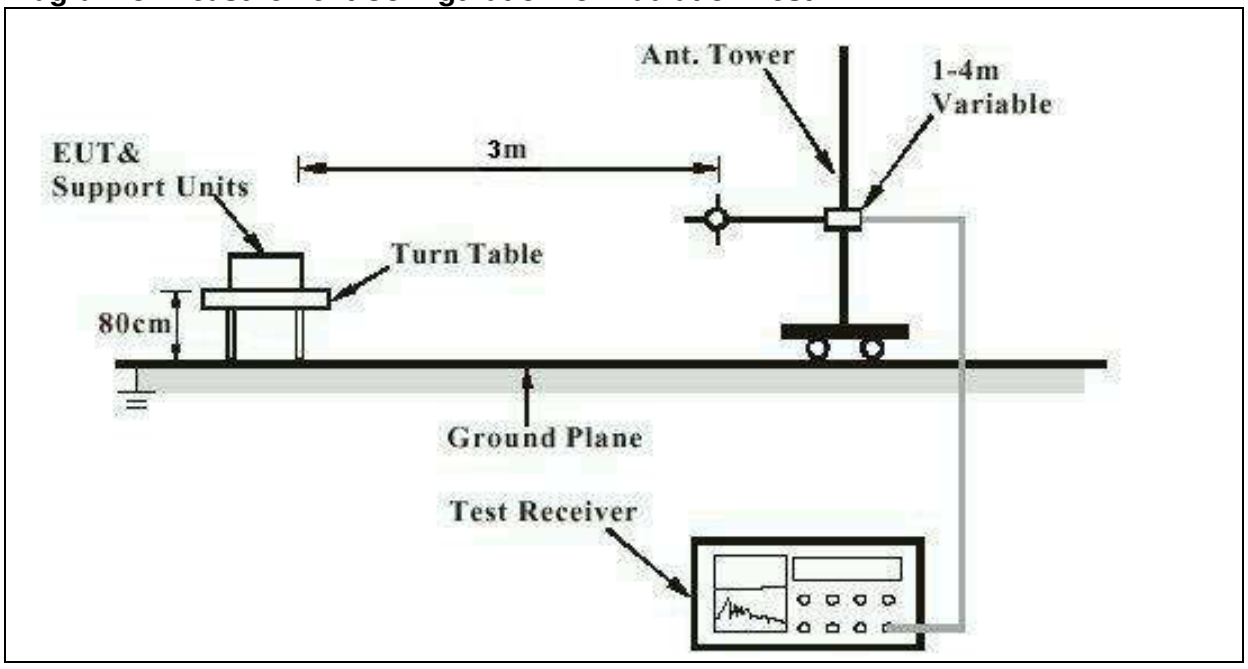
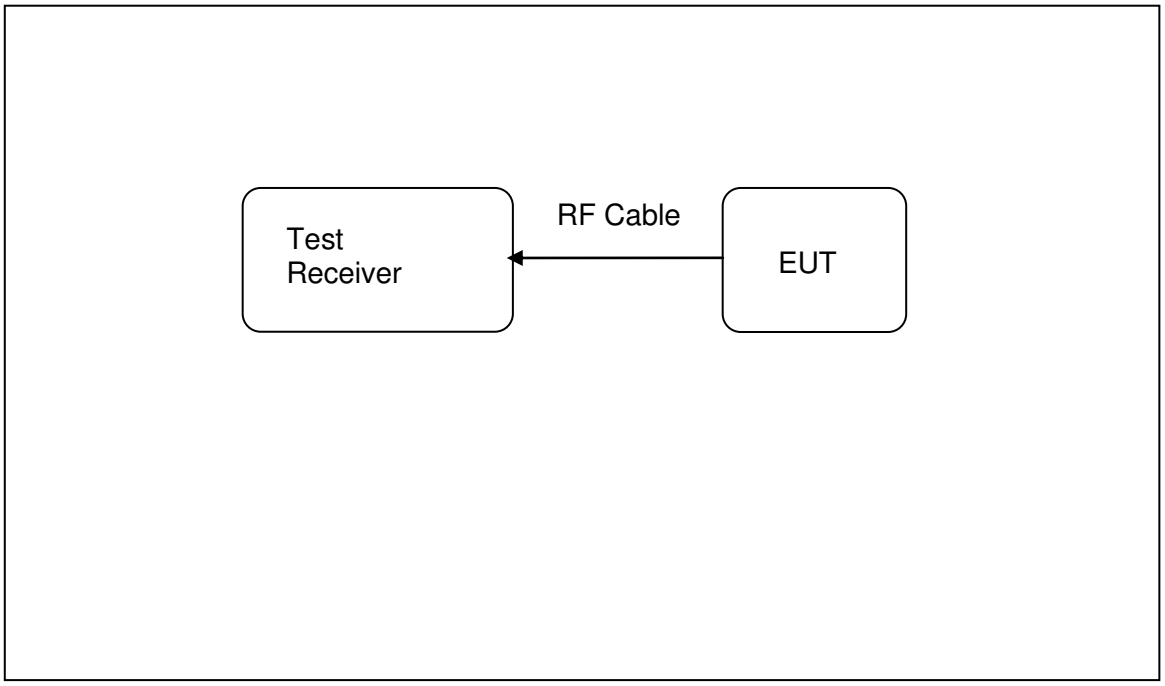


Diagram of Measurement Equipment Configuration for Conducted Transmitter Measurement



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT: **Pass**

Test date	:	2014-09-16
Test standard	:	FCC Part 15.247(b)(4) and Part 15.203 RSS-Gen 7.1.4
Limit	:	the use of antennas with directional gains that do not exceed 6 dBi

According to the manufacturer declared, the EUT has an internal PCB antenna, the directional gain of antenna is 0dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT photos for details.

5.1.2 Peak Output Power

RESULT: **Pass**

Test date	:	2014-09-18
Test standard	:	FCC Part 15.247(b)(1)&(b)(3) RSS-210 A8.4 (2)&(4)
Basic standard	:	ANSI C63.10: 2009
Limit	:	1 Watt
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	23℃
Relative humidity	:	48%
Atmospheric pressure	:	101 kPa

Table 5: Test result of Peak Output Power

Channel	Channel Frequency (MHz)	Peak Output Power		Limit
		(dBm)	(mW)	(W)
Low Channel	2402	-5.95	0.25	1
Middle Channel	2440	-6.67	0.22	1
High Channel	2480	-7.15	0.19	1

5.1.3 Power Density

RESULT: **Pass**

Date of testing	:	2014-09-18
Test standard	:	FCC Part 15.247(e) RSS-210 A8.2 (b)
Basic standard	:	ANSI C63.10: 2009
Limits	:	8dBm/3kHz
Kind of test site	:	Shielded room

Test setup

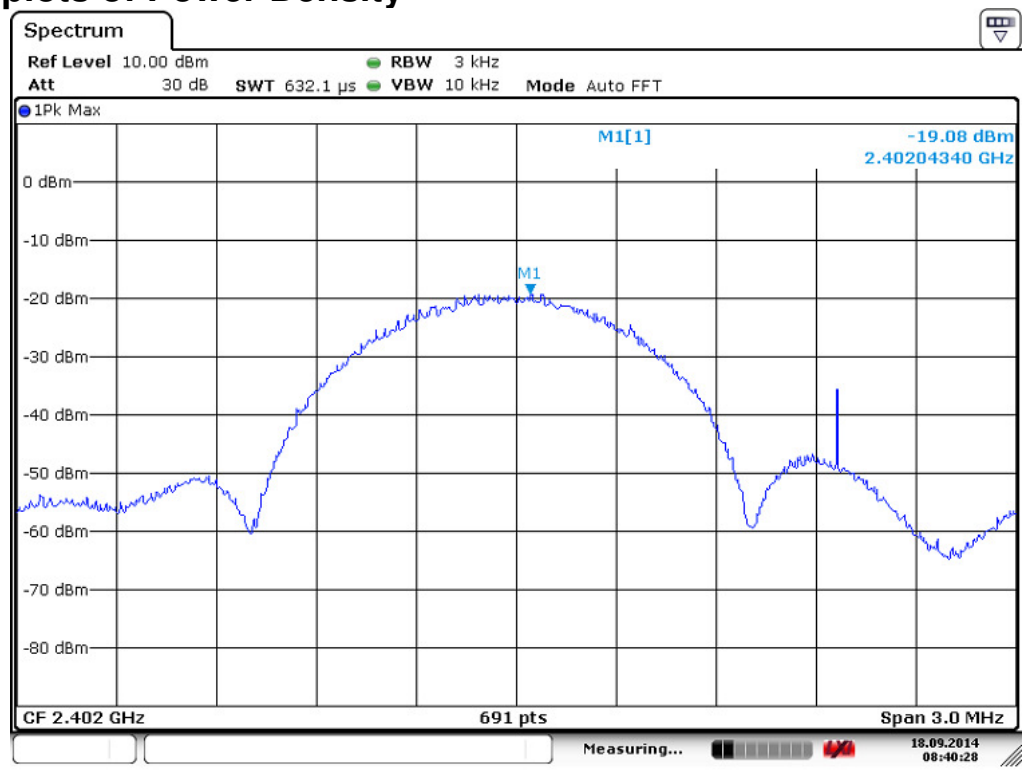
Test Channel	:	Low/ Middle/ High
Operation mode	:	A
Ambient temperature	:	23℃
Relative humidity	:	48%
Atmospheric pressure	:	101 kPa

Table 6: Test result of power density

Channel	Channel Frequency (MHz)	Peak Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low Channel	2402	-19.08	8	Pass
Mid Channel	2440	-20.15	8	Pass
High Channel	2480	-20.56	8	Pass

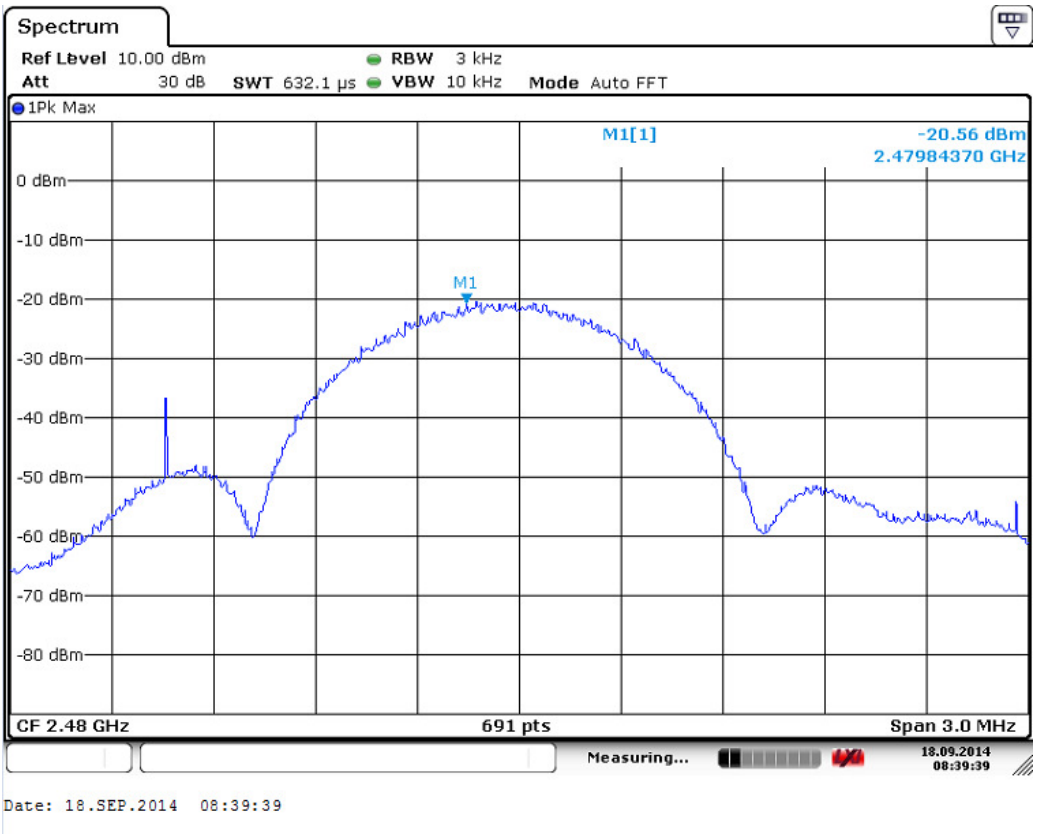
For details refer to the following test plots.

Test plots of Power Density



Date: 18.SEP.2014 08:40:28

Date: 18.SEP.2014 08:40:48


Spectrum
Ref Level 10.00 dBm
RBW 3 kHz
Att 30 dB
SWT 632.1 µs
VBW 10 kHz
Mode Auto FFT
1Pk Max
M1[1]
-20.56 dBm
2.47984370 GHz
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
M1
CF 2.48 GHz
691 pts
Span 3.0 MHz
Measuring...
18.09.2014
08:39:39
Date: 18.SEP.2014 08:39:39

5.1.4 6dB Bandwidth

RESULT: **Pass**

Date of testing	:	2014-09-18
Test standard	:	FCC Part 15.247(a)(2) RSS-210 A8.2 (a)
Basic standard	:	ANSI C63.10: 2009
Kind of test site	:	Shielded room

Test setup

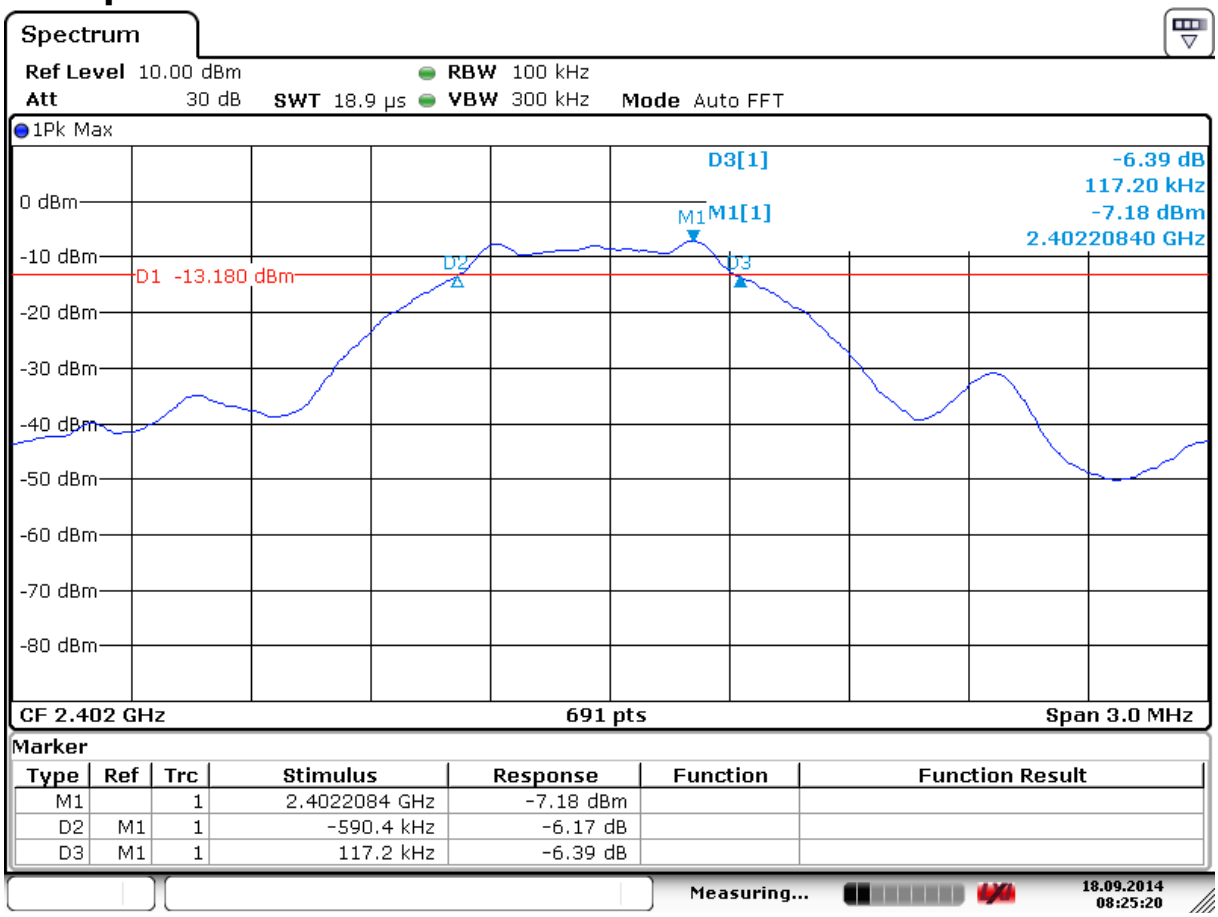
Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	23℃
Relative humidity	:	48%
Atmospheric pressure	:	101 kPa

Table 7: Test result of 6dB Bandwidth

Channel	Channel Frequency (MHz)	6dB Bandwidth (kHz)	Limit (kHz)	Result
Low Channel	2402	708	>500	Pass
Mid Channel	2440	703	>500	Pass
High Channel	2480	708	>500	Pass

For details refer to the following test plots.

Test plots of 6dB bandwidth



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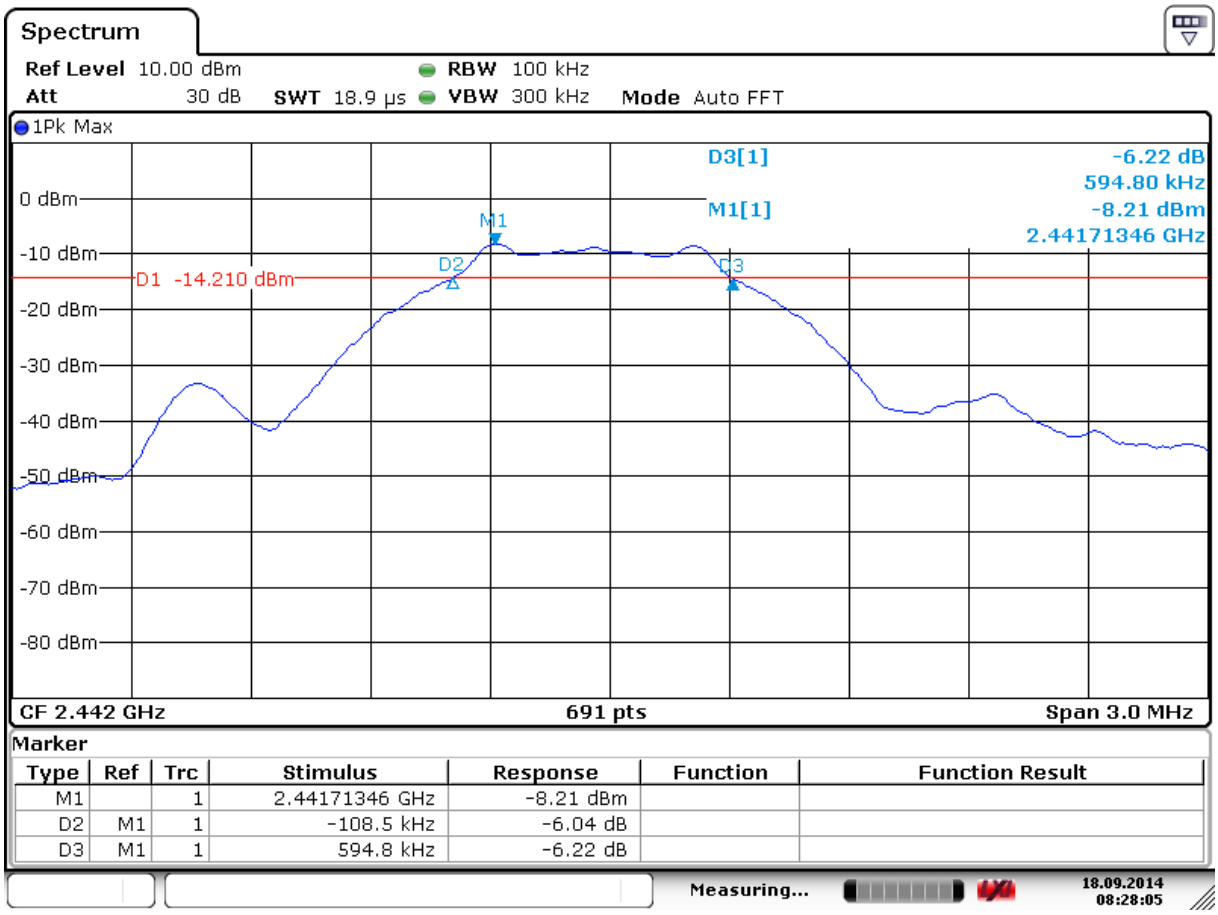
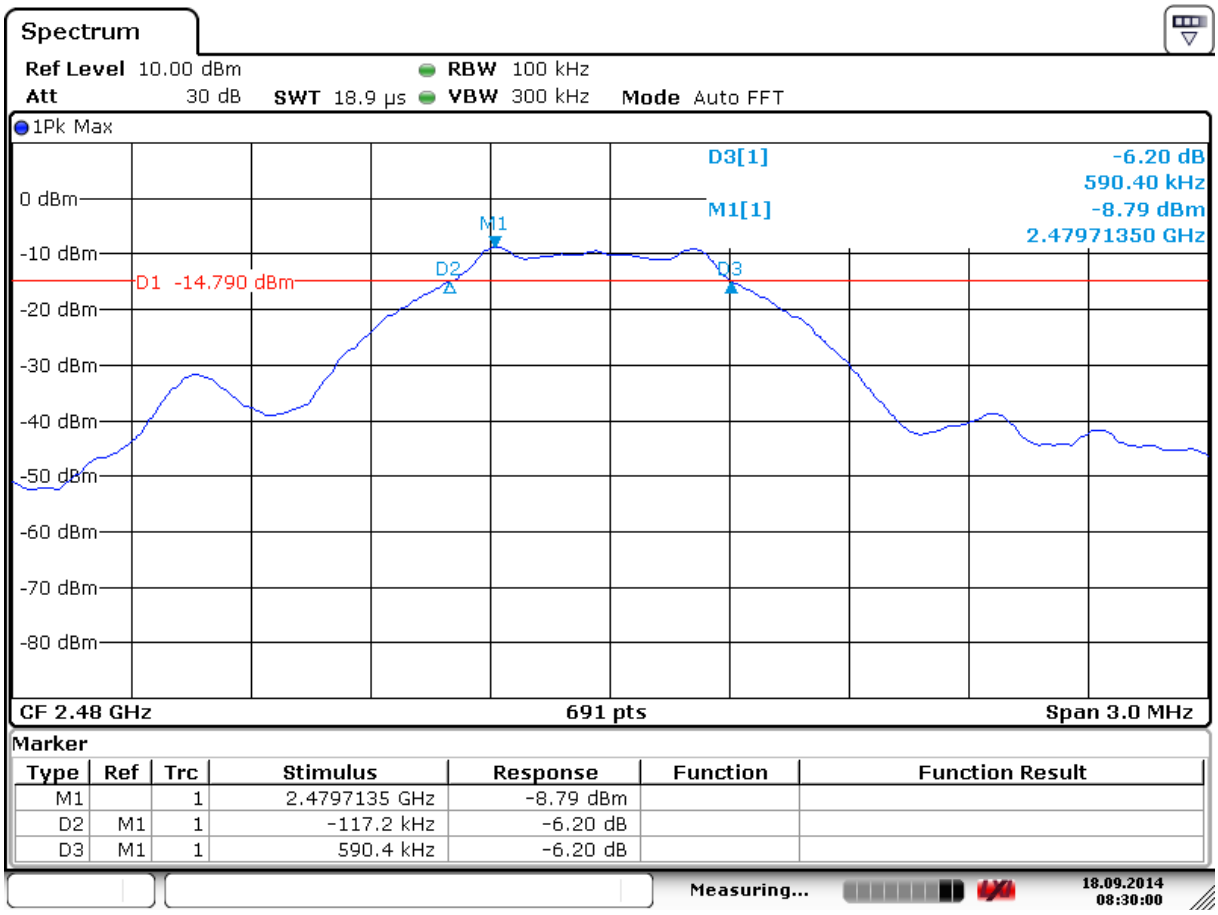


Date: 18.SEP.2014 08:28:05



Date: 18.SEP.2014 08:30:00

5.1.5 99% Bandwidth

RESULT: **Pass**

Date of testing	:	2014-09-18
Test standard	:	RSS-Gen clause 4.6.1
Basic standard	:	ANSI C63.10: 2009
Kind of test site	:	Shielded room

Test setup

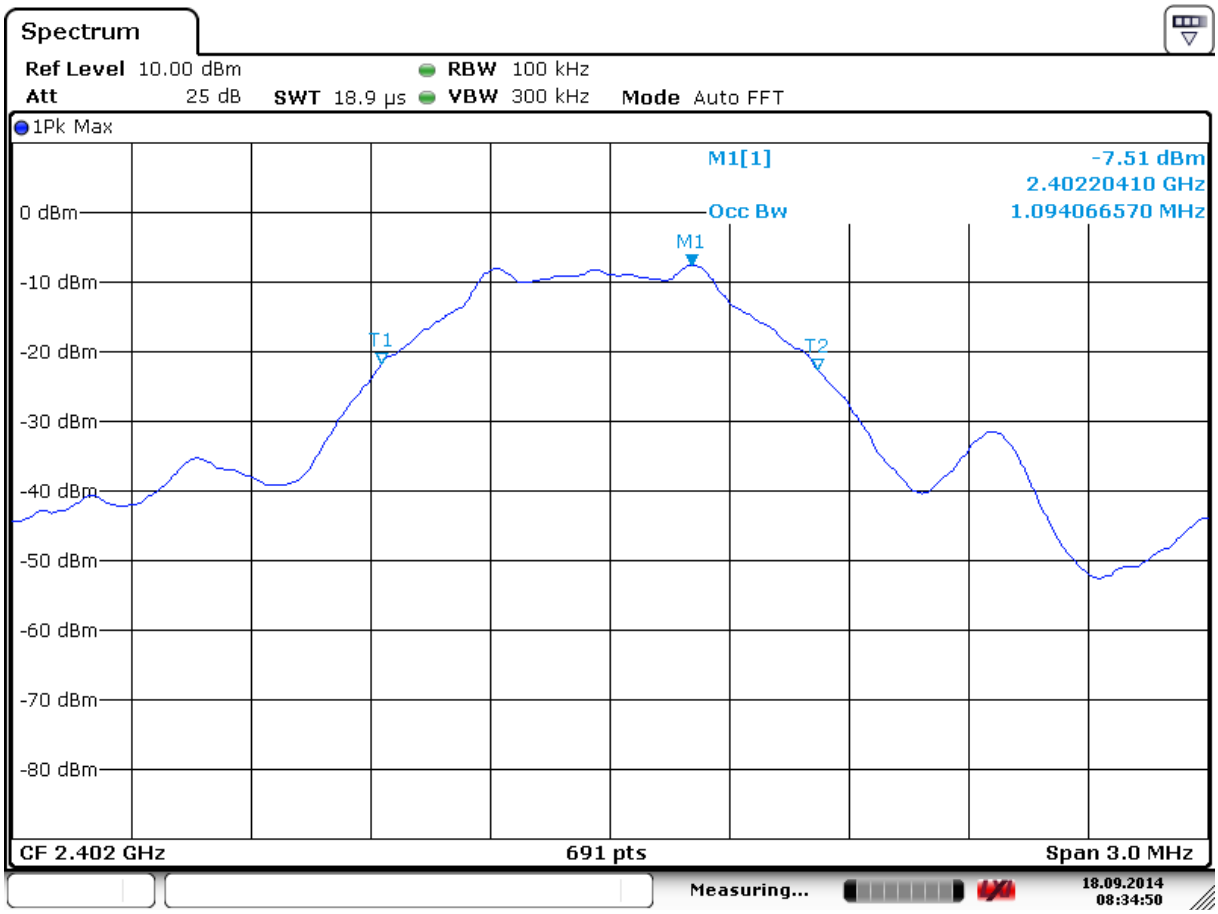
Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	23℃
Relative humidity	:	48%
Atmospheric pressure	:	101 kPa

Table 8: Test result of 99% Bandwidth

Channel	Channel Frequency (MHz)	99% Bandwidth (MHz)	Limit (MHz)	Result
Low Channel	2402	1.09	/	Pass
Mid Channel	2441	1.08	/	Pass
High Channel	2480	1.09	/	Pass

For detail refer to the following test plots.

Test Plots of 99% Bandwidth



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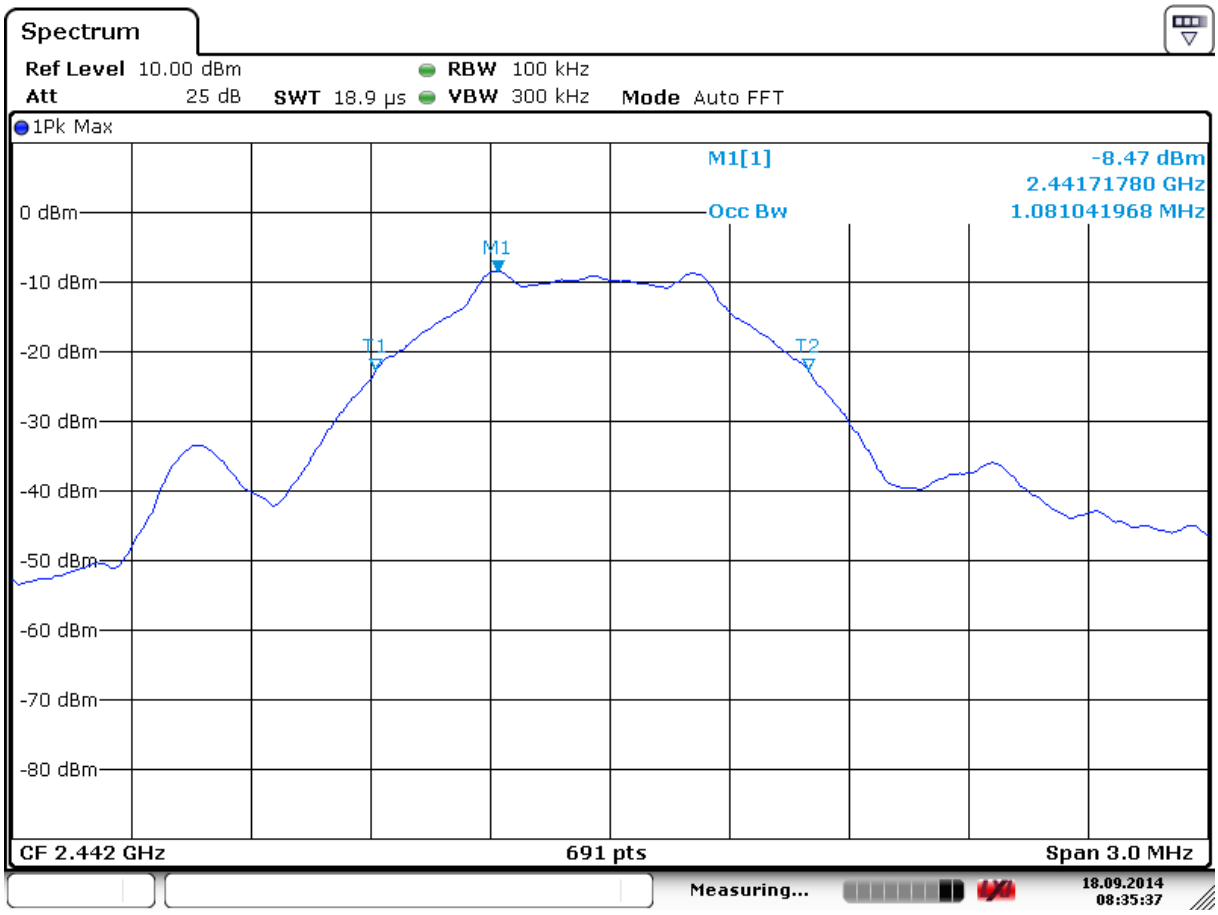
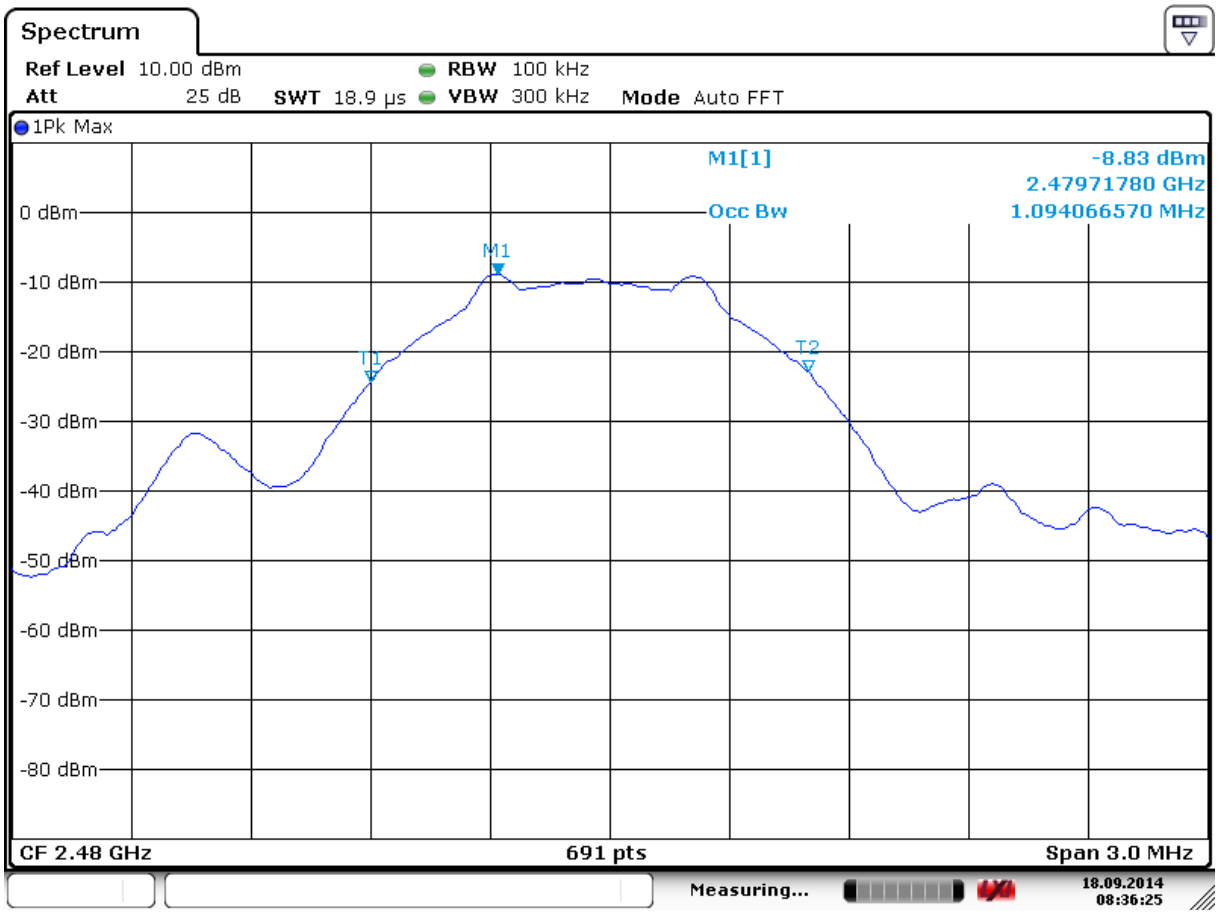


Date: 18.SEP.2014 08:35:37



Date: 18.SEP.2014 08:36:25

5.1.6 Conducted Spurious Emissions Measured in 100kHz Bandwidth

RESULT: **Pass**

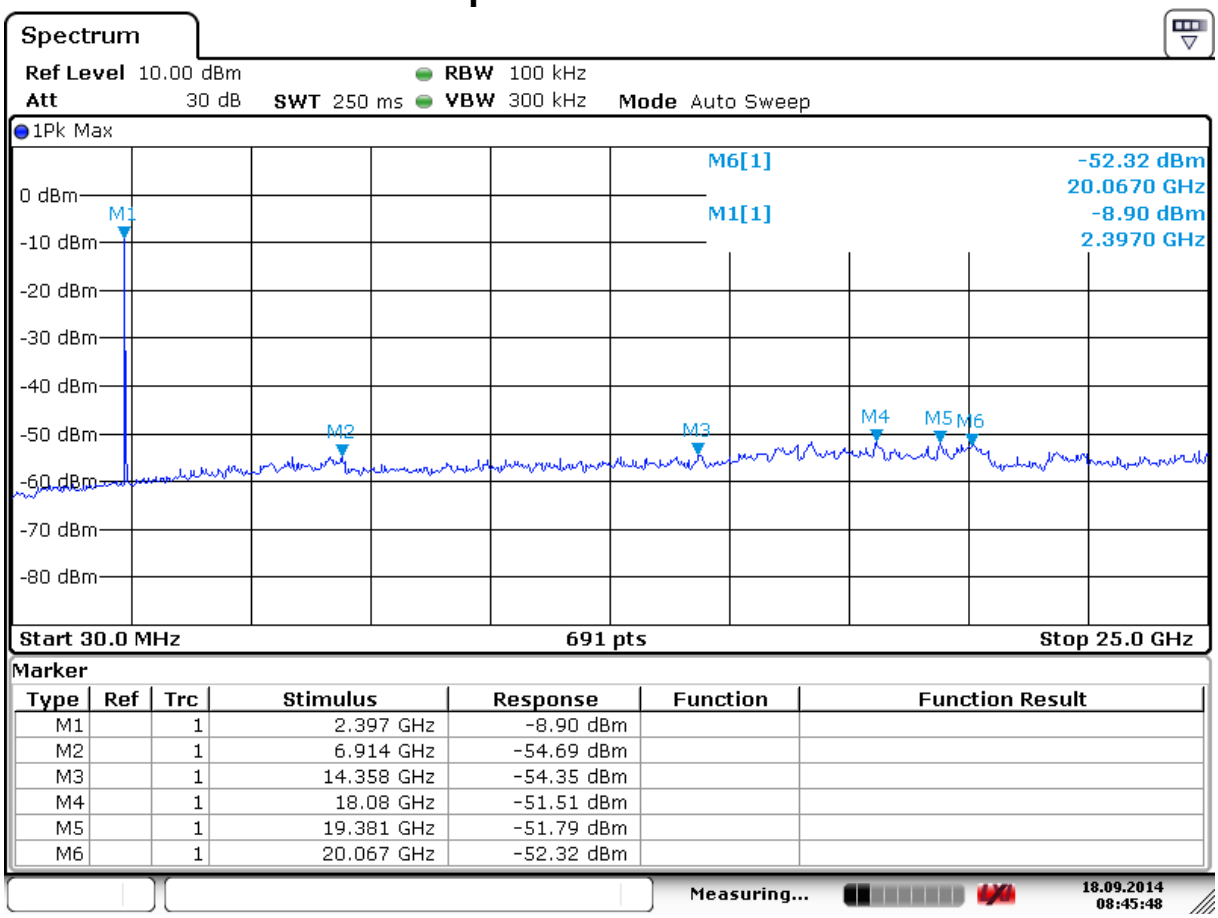
Date of testing	:	2014-09-19
Test standard	:	FCC Part 15.247(d) RSS-210 A8.5
Basic standard	:	ANSI C63.10: 2009
Limit	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power); In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	:	Shield room

Test setup

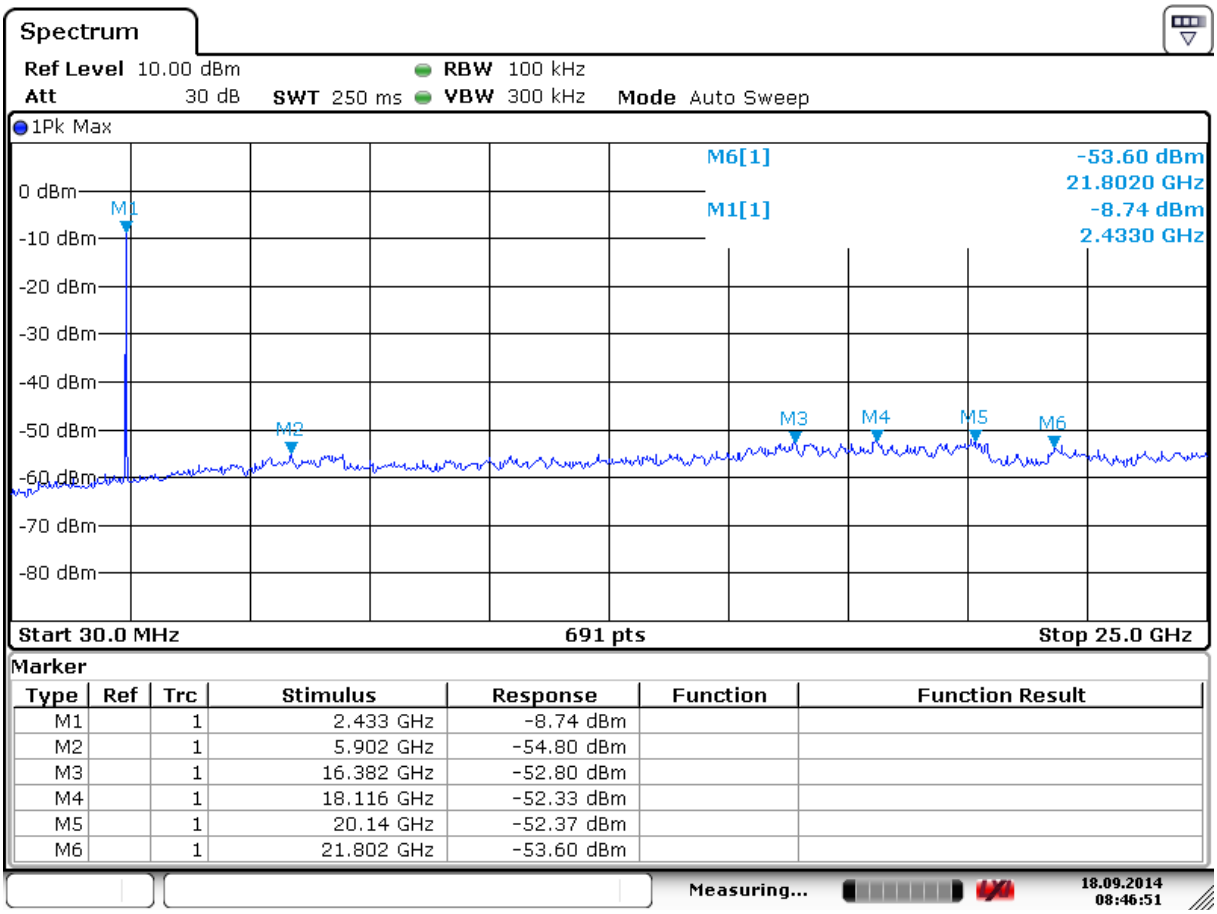
Test Channel	:	Low/Middle/ High
Operation mode	:	A
Ambient temperature	:	23℃
Relative humidity	:	48%
Atmospheric pressure	:	101 kPa

For details refer to following test plots.

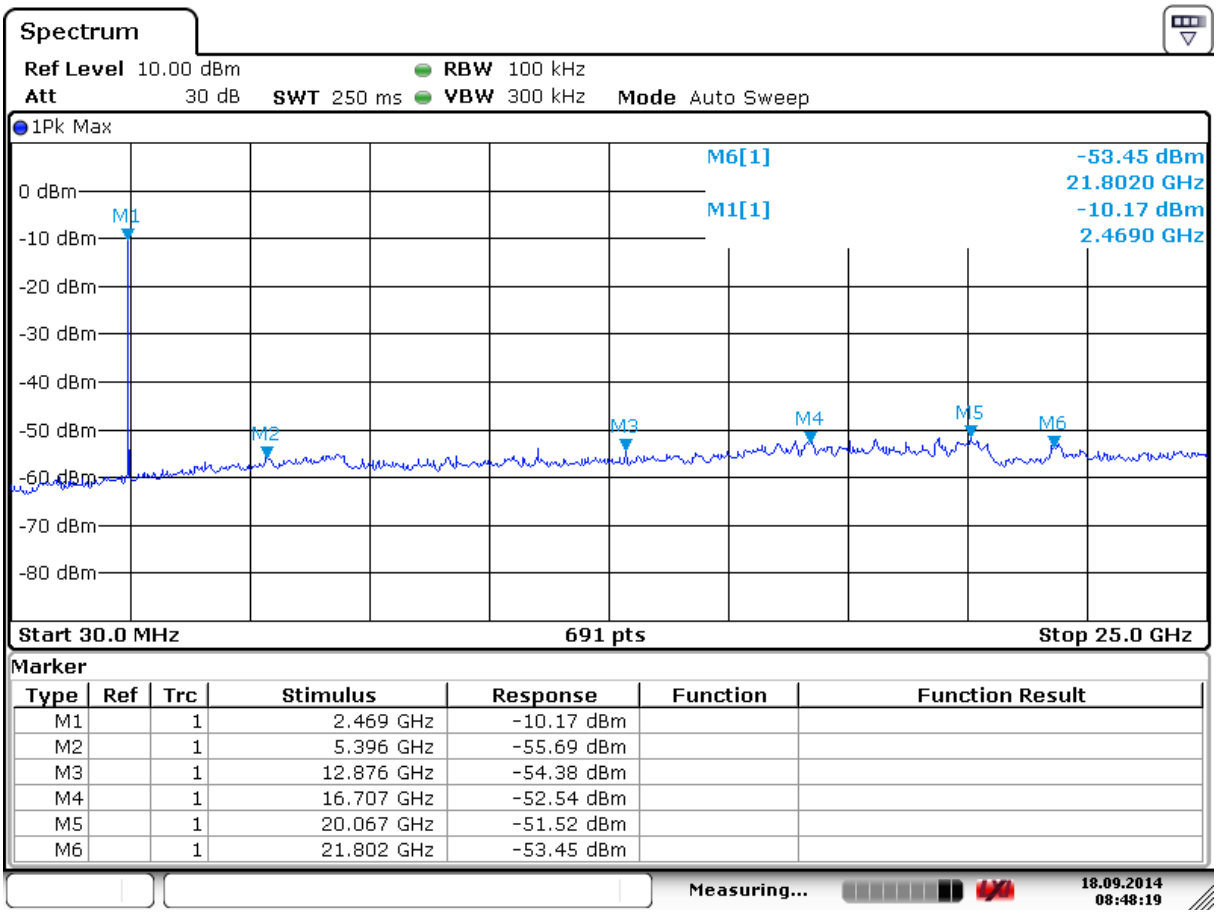
Test Plots of Conducted Spurious Emission



Date: 18.SEP.2014 08:45:48



Date: 18.SEP.2014 08:46:51



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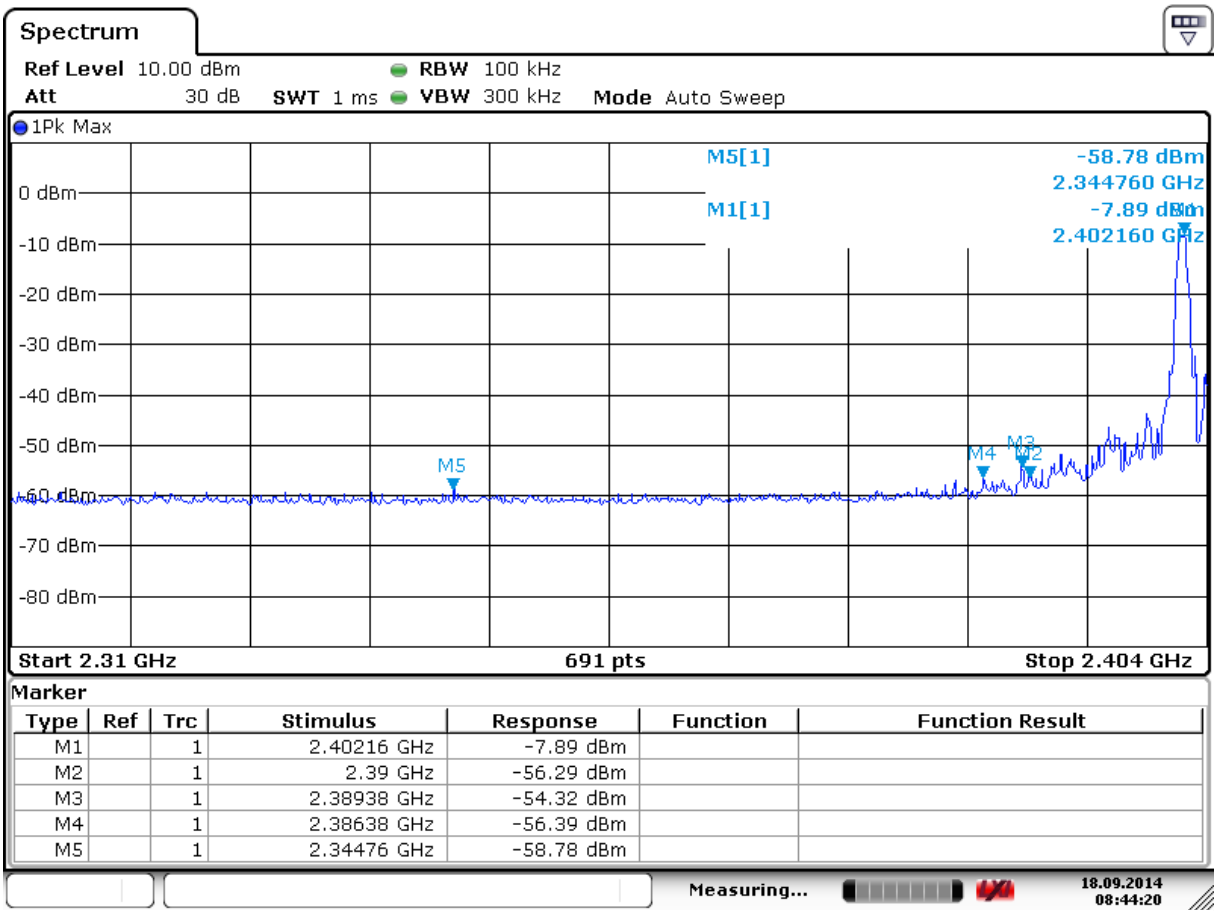

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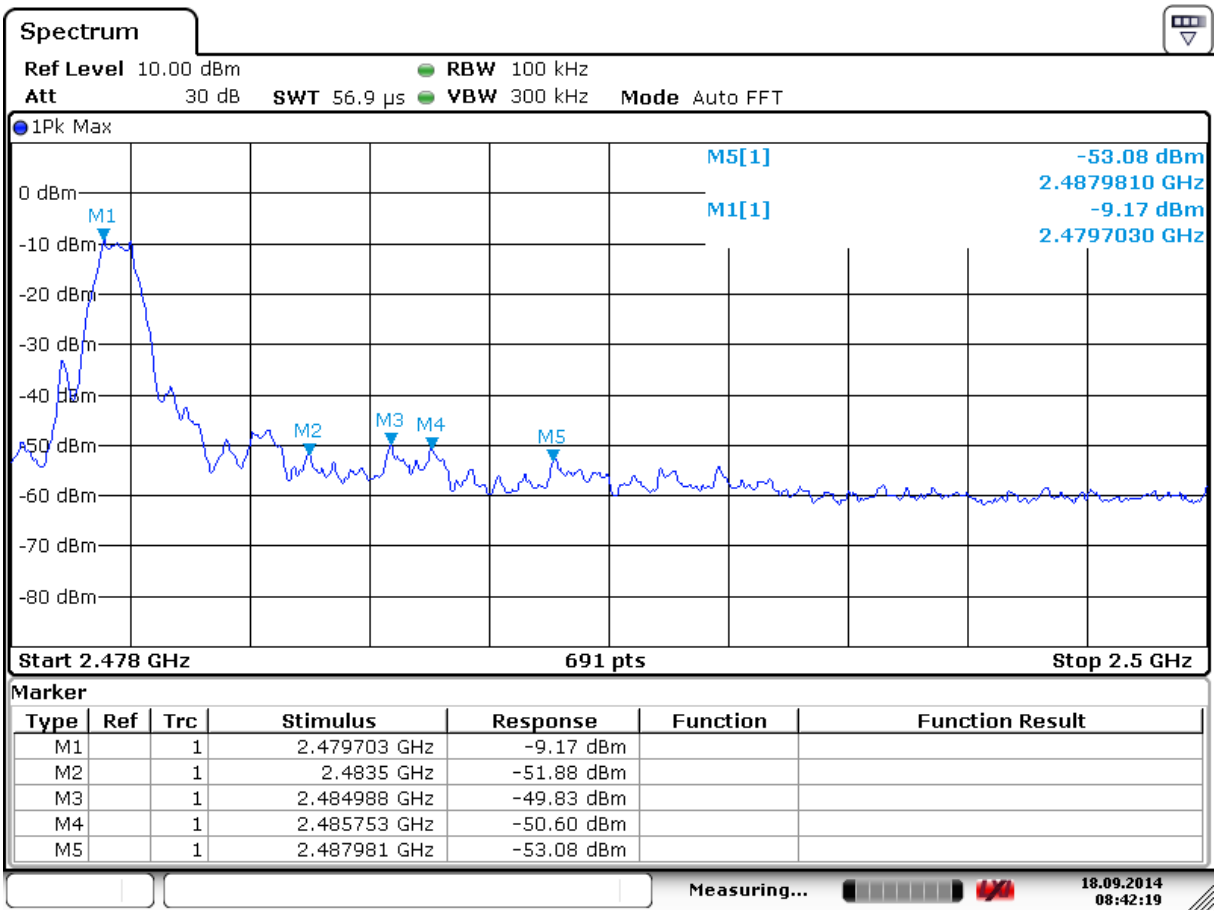


Date: 18.SEP.2014 08:42:19

5.1.7 Radiated Spurious Emissions

RESULT: **Pass**

Date of testing	:	2014-09-18
Test standard	:	FCC Part 15.247(d),FCC 15.205, RSS-210 Clause 2.2
Basic standard	:	ANSI C63.10: 2009
Limit	:	Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).
Kind of test site	:	3m Semi-Anechoic Chamber

Test setup

Test Channel	:	Low/ Middle/ High
Operation mode	:	A
Ambient temperature	:	23℃
Relative humidity	:	48%
Atmospheric pressure	:	101 kPa

For details refer to the following test plots.

Due to the small size of the product and that there are no inductive components of significant size, 9 kHz to 30MHz frequency range is not tested based on technical judgment.

Test Plots of Radiated Spurious Emissions

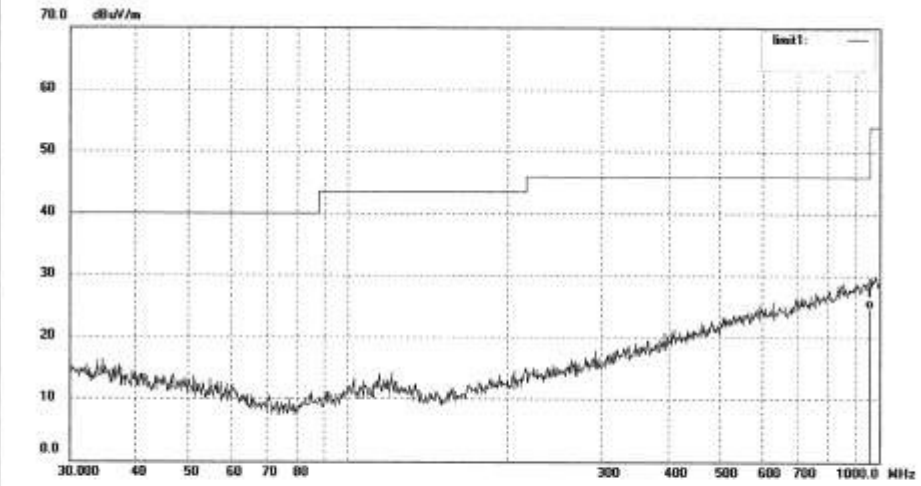
ATC®

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 #931	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2014/09/18
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Drop kitchen Scale	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: D600A	
Manufacturer: Adaptics ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	960.0000	22.45	2.37	24.82	46.00	-21.18	QP			

ATC®

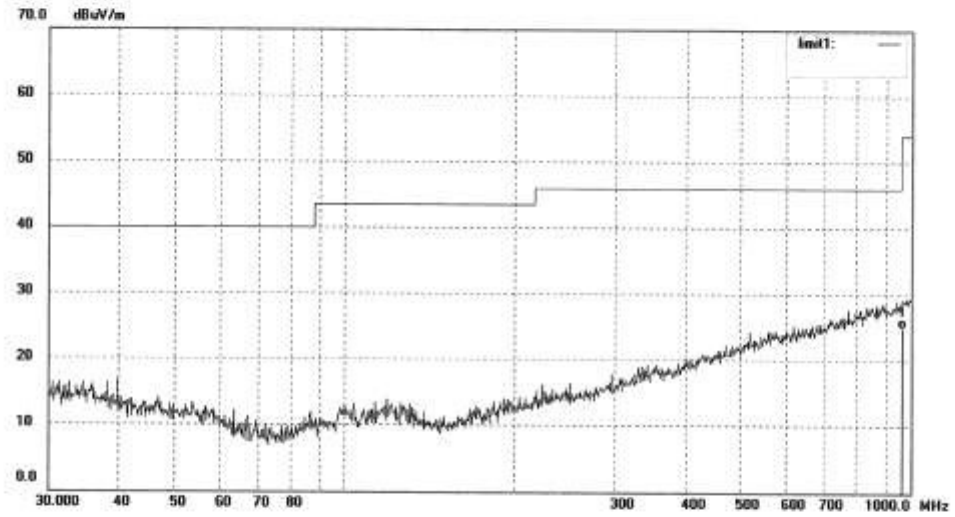
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: PZ #932
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Drop kitchen Scale
Mode: TX 2402MHz
Model: D600A
Manufacturer: Adaptics ltd.

Polarization: Vertical
Power Source: DC 3V
Date: 2014/09/18
Time:
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	960.0000	22.60	2.37	24.97	46.00	-21.03	QP			

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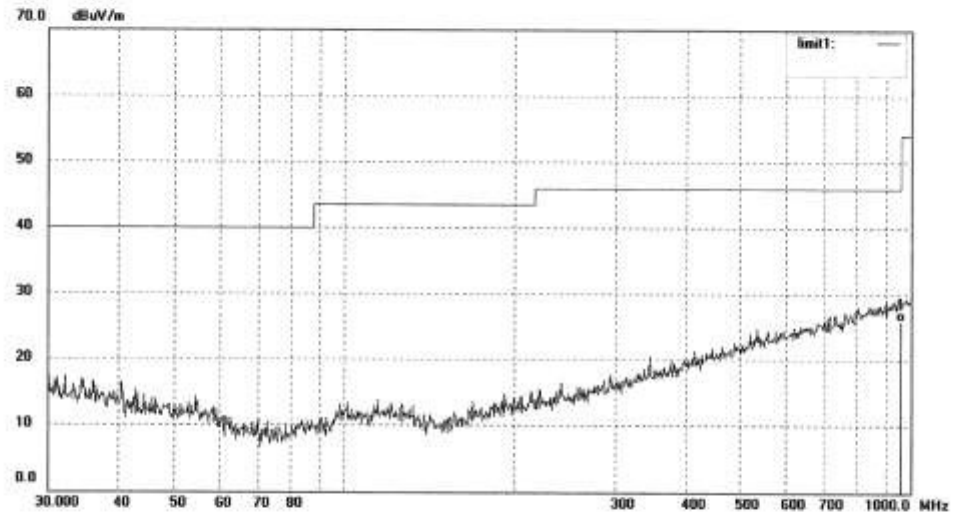
Fax:+86-0755-26503396

Job No.: PZ #933	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2014/09/18
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Drop kitchen Scale	Engineer Signature: PEI
Mode: TX 2442MHz	Distance: 3m
Model: D600A	
Manufacturer: Adaptics ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	960.0000	23.66	2.37	26.03	46.00	-19.97	QP			

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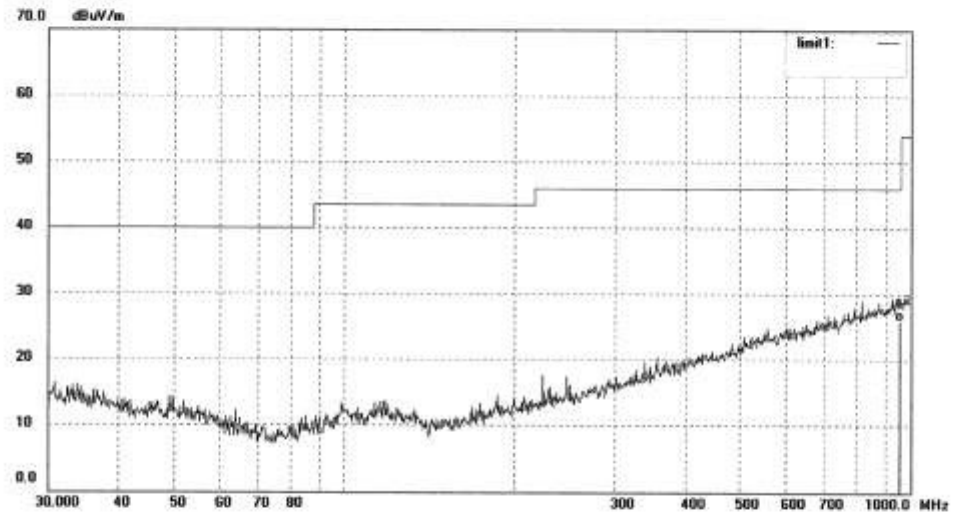
Job No.: PZ #934	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2014/09/18
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Drop kitchen Scale	Engineer Signature: PEI
Mode: TX 2442MHz	Distance: 3m
Model: D600A	
Manufacturer: Adaptics ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	960.0000	23.62	2.37	25.99	46.00	-20.01	QP			

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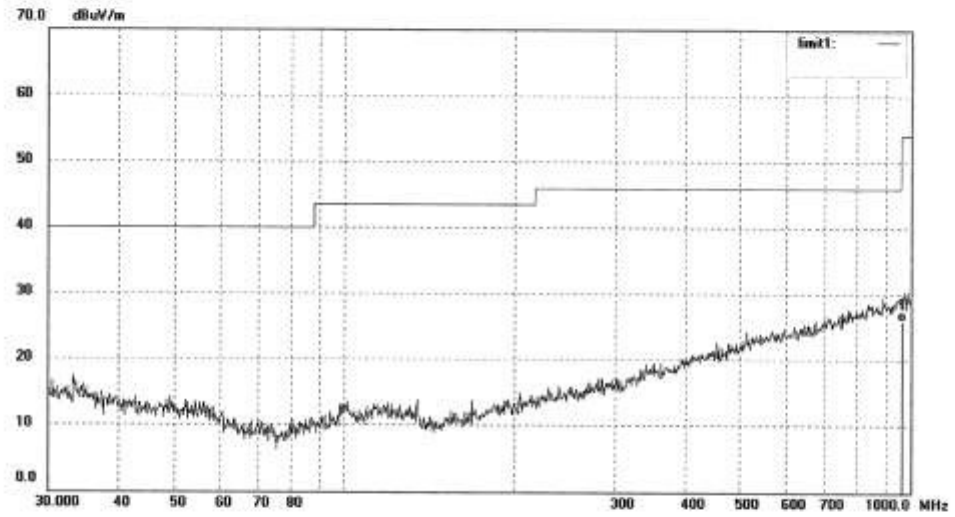
Job No.: PZ #935
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Drop kitchen Scale
Mode: TX 2480MHz
Model: D600A
Manufacturer: Adaptics ltd.

Polarization: Horizontal
Power Source: DC 3V
Date: 2014/09/18
Time:
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	960.0000	23.57	2.37	25.94	46.00	-20.06	QP			

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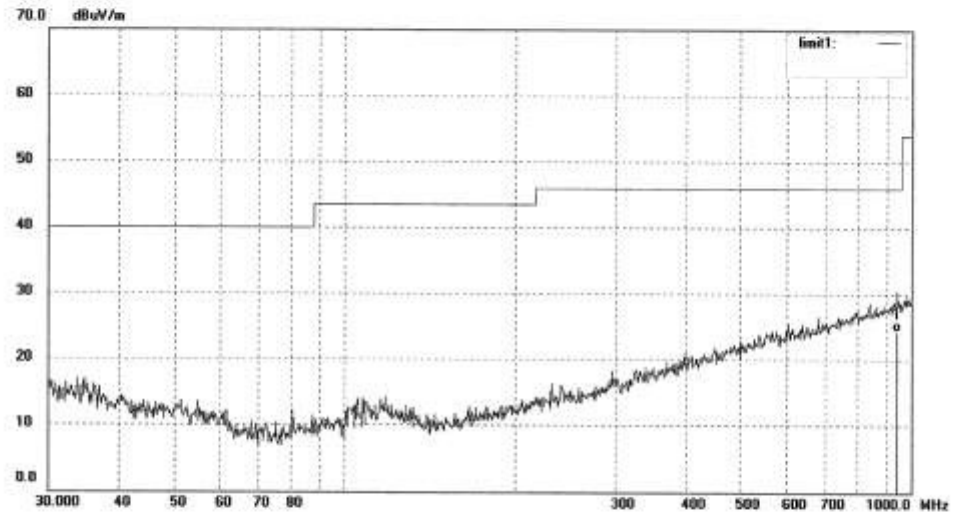
Job No.: PZ #936	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2014/09/18
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Drop kitchen Scale	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: D600A	
Manufacturer: Adaptics ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	948.3336	22.25	2.13	24.38	46.00	-21.62	QP			

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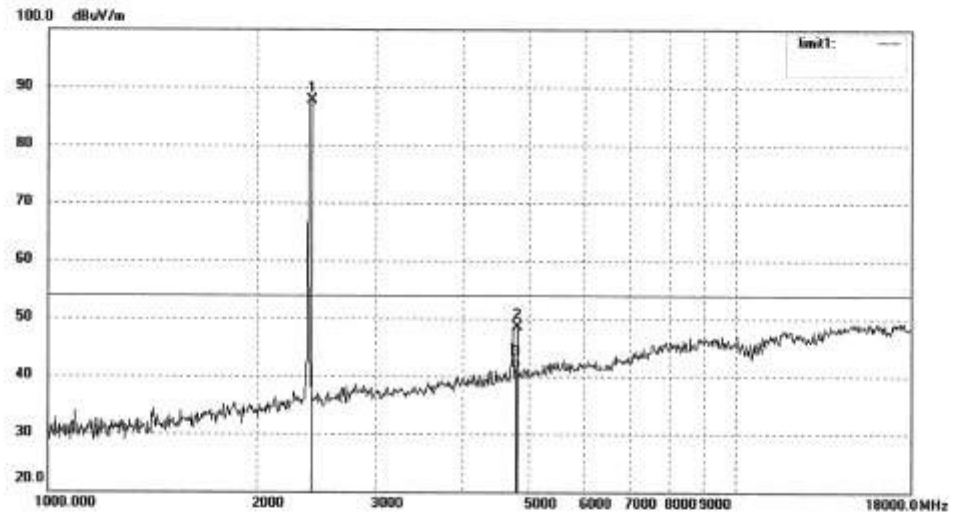
Job No.: PZ #937
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Drop kitchen Scale
Mode: TX 2402MHz
Model: D600A
Manufacturer: Adaptics ltd.

Polarization: Horizontal
Power Source: DC 3V
Date: 2014/09/18
Time:
Engineer Signature: PEI
Distance: 3m

Note:



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	95.16	-7.45	87.71	/	/	peak			
2	4804.027	48.74	-0.30	48.44	74.00	-25.56	peak			
3	4804.027	41.51	-0.30	41.21	54.00	-12.79	AVG			

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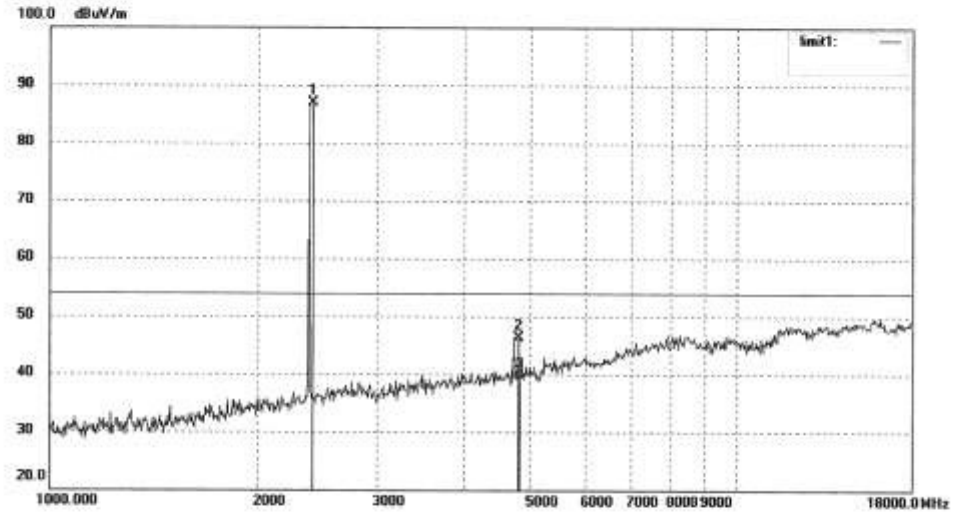
Job No.: PZ #939
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Drop kitchen Scale
Mode: TX 2402MHz
Model: D600A
Manufacturer: Adaptics ltd.

Polarization: Vertical
Power Source: DC 3V
Date: 2014/09/18
Time:
Engineer Signature: PEI
Distance: 3m

Note:



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	94.44	-7.45	86.99	/	/	peak			
2	4804.030	46.64	-0.30	46.34	74.00	-27.66	peak			
3	4804.030	39.16	-0.30	38.86	54.00	-15.14	AVG			

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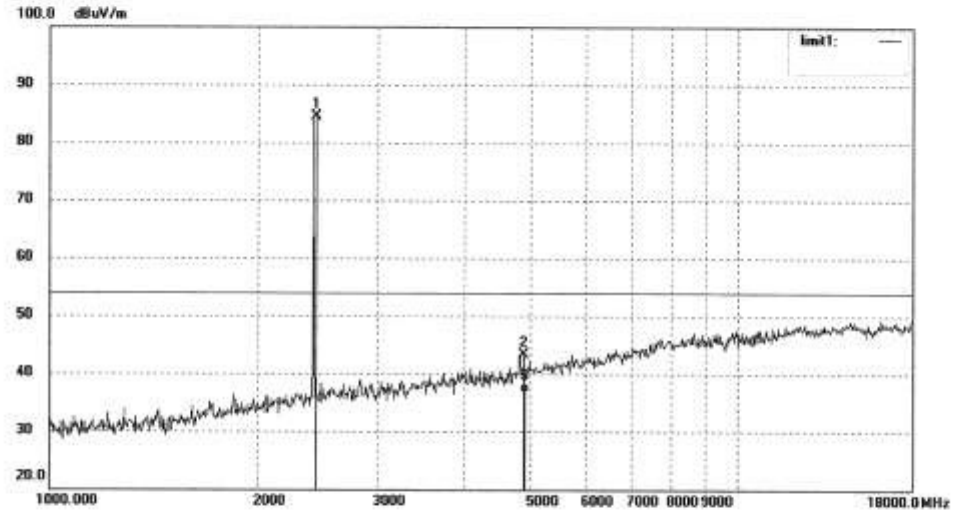
Job No.: PZ #940	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2014/09/18
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Drop kitchen Scale	Engineer Signature: PEI
Mode: TX 2442MHz	Distance: 3m
Model: D600A	
Manufacturer: Adaptics ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2442.000	91.85	-7.35	84.50	/	/	peak			
2	4884.025	43.17	0.15	43.32	74.00	-30.68	peak			
3	4884.025	36.52	0.15	36.67	54.00	-17.33	AVG			

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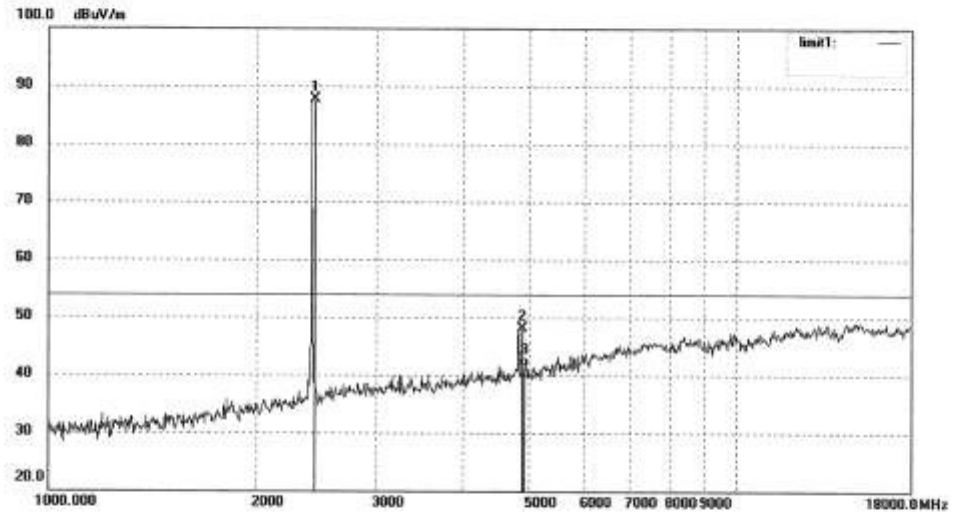
Job No.: PZ #941	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2014/09/18
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Drop kitchen Scale	Engineer Signature: PEI
Mode: TX 2442MHz	Distance: 3m
Model: D600A	
Manufacturer: Adaptics ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2442.000	95.00	-7.35	87.65	/	/	peak			
2	4884.028	48.00	0.15	48.15	74.00	-25.85	peak			
3	4884.028	41.42	0.15	41.57	54.00	-12.43	AVG			

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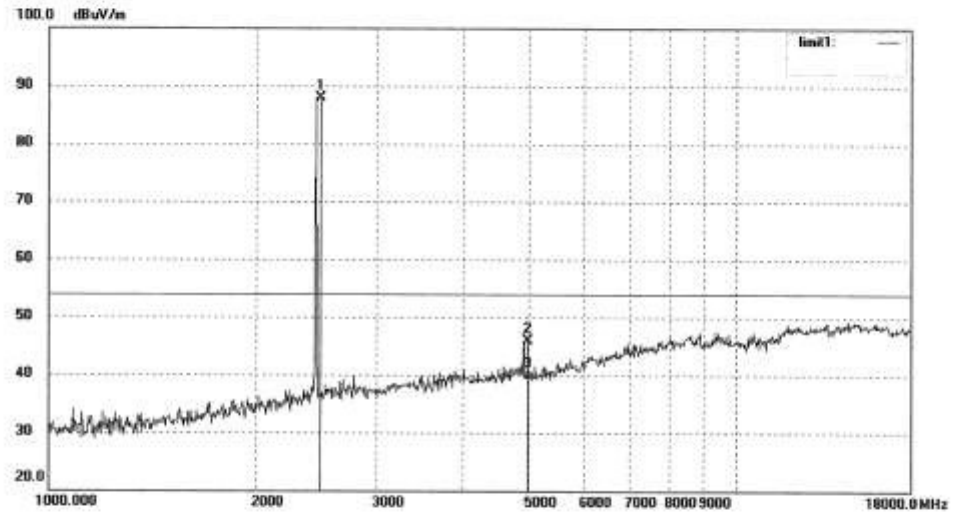
Job No.: PZ #942	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2014/09/18
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Drop kitchen Scale	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: D600A	
Manufacturer: Adaptics ltd.	

Note:



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	95.24	-7.37	87.87	/	/	peak			
2	4960.024	45.34	0.52	45.86	74.00	-28.14	peak			
3	4960.024	38.65	0.52	39.17	54.00	-14.83	AVG			

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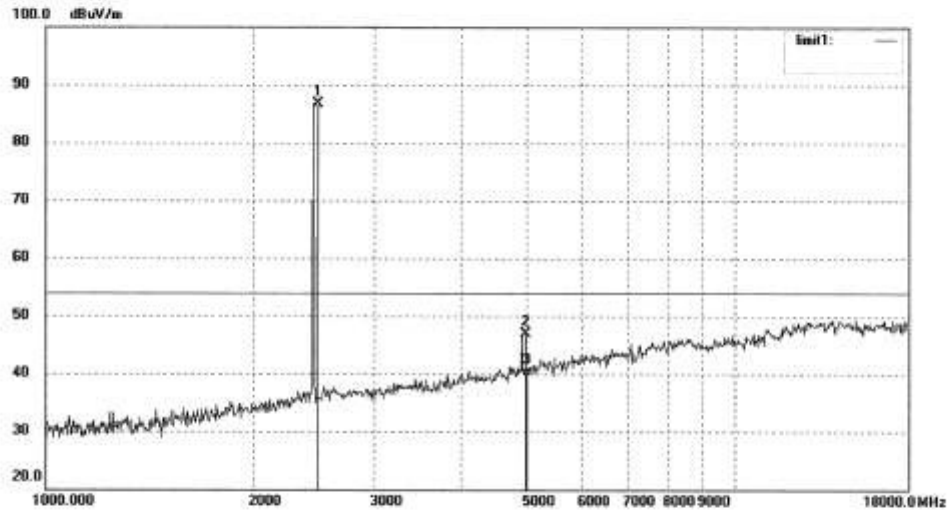
Job No.: PZ #944	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2014/09/18
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Drop kitchen Scale	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: D600A	
Manufacturer: Adaptics ltd.	

Note:



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	94.00	-7.37	86.63	/	/	peak			
2	4960.020	46.30	0.52	46.82	74.00	-27.18	peak			
3	4960.020	38.96	0.52	39.48	54.00	-14.52	AVG			

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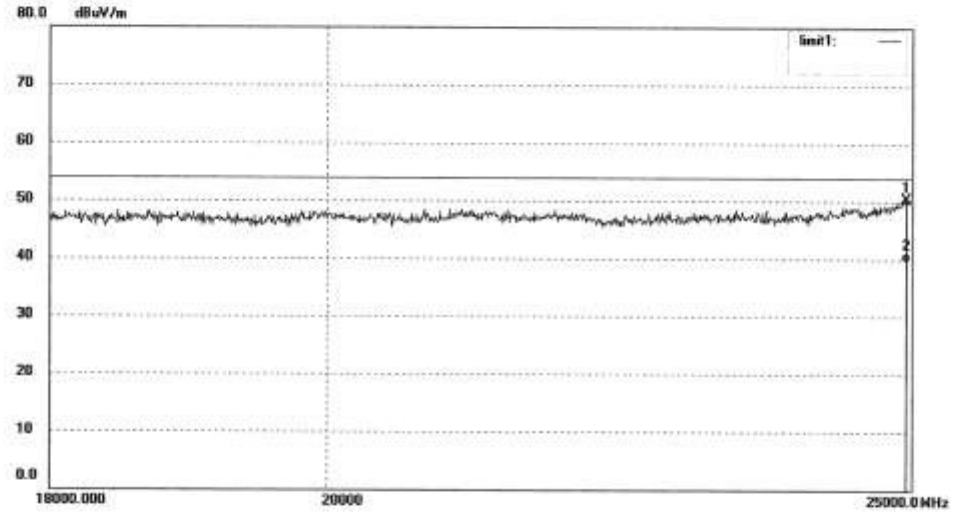
Job No.: PZ #949	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 14/09/19/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Drop kitchen Scale	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: D600A	
Manufacturer: Adaptics ltd.	

Note:



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	32.50	17.83	50.33	74.00	-23.67	peak			
2	24950.674	21.69	17.83	39.52	54.00	-14.48	AVG			

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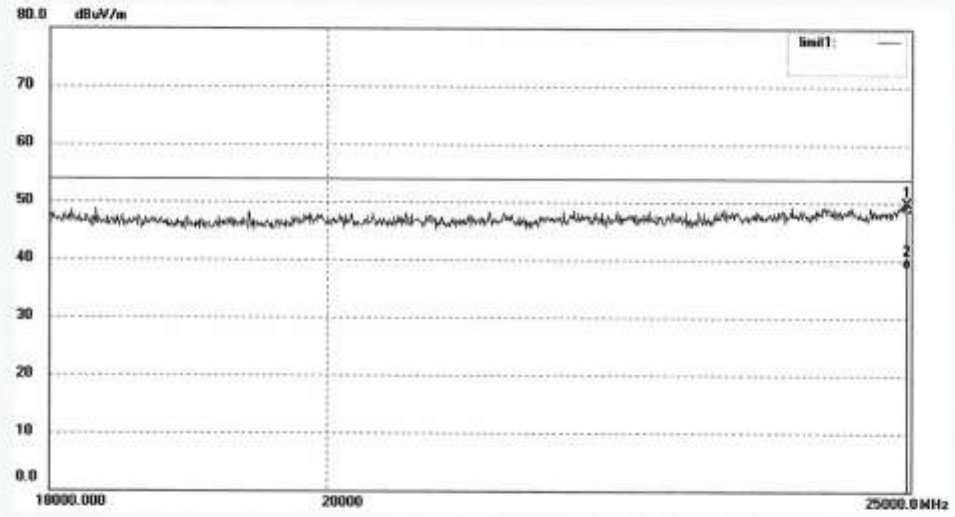
Job No.: PZ #950	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 14/09/19/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Drop kitchen Scale	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: D600A	
Manufacturer: Adaptics ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24958.889	33.08	16.53	49.61	74.00	-24.39	peak			
2	24958.889	22.25	16.53	38.78	54.00	-15.22	AVG			

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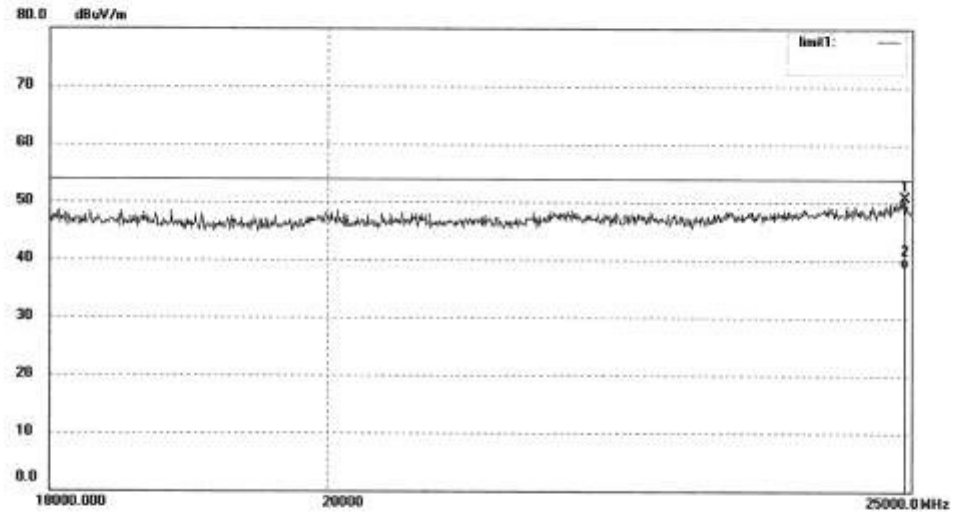
Job No.: PZ #951	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 14/09/19/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Drop kitchen Scale	Engineer Signature: PEI
Mode: TX 2442MHz	Distance: 3m
Model: D600A	
Manufacturer: Adaptics ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24942.463	34.13	16.54	50.67	74.00	-23.33	peak			
2	24942.463	22.08	16.54	38.62	54.00	-15.38	AVG			

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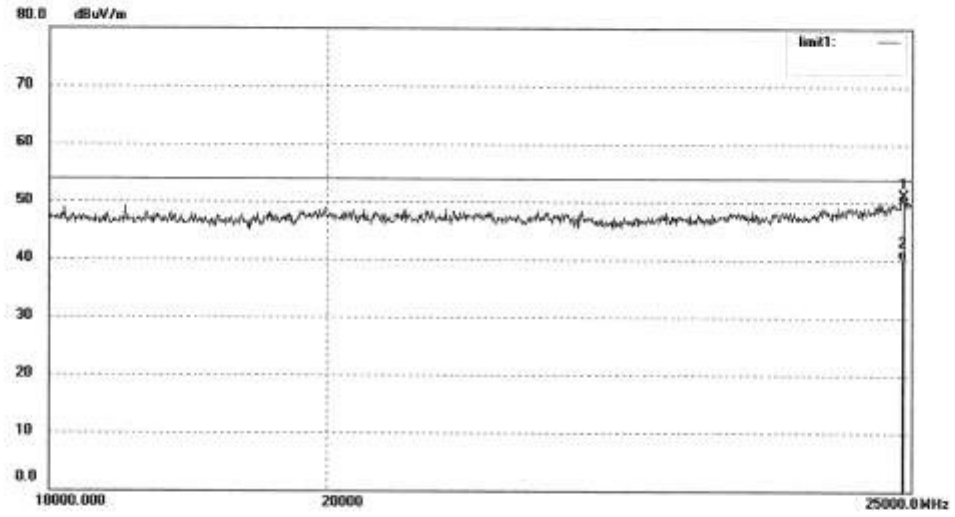
Job No.: PZ #952	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 14/09/19/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Drop kitchen Scale	Engineer Signature: PEI
Mode: TX 2442MHz	Distance: 3m
Model: D600A	
Manufacturer: Adaptics ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24917.845	33.24	17.78	51.02	74.00	-22.98	peak			
2	24917.845	22.25	17.78	40.03	54.00	-13.97	AVG			

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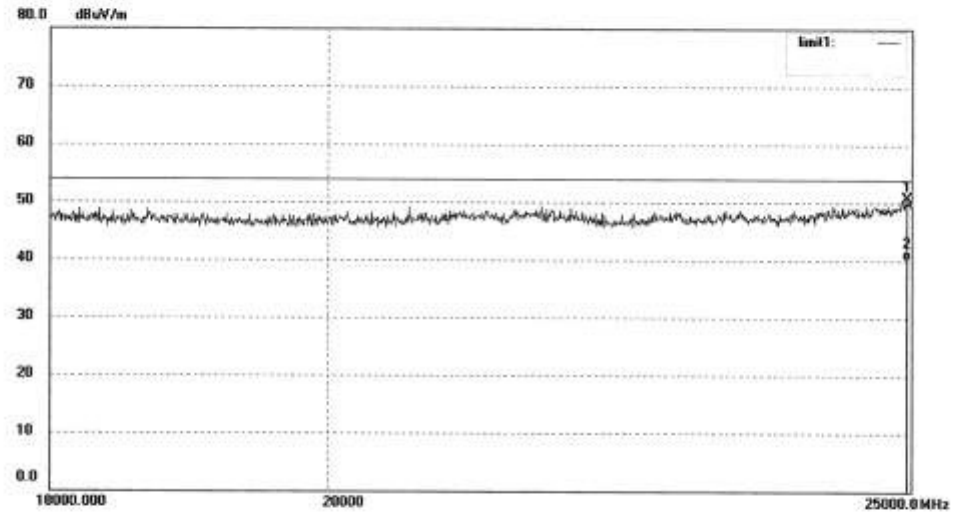
Job No.: PZ #953	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 14/09/19/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Drop kitchen Scale	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: D600A	
Manufacturer: Adaptics ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24967.105	32.85	17.85	50.70	74.00	-23.30	peak			
2	24967.105	22.28	17.85	40.13	54.00	-13.87	AVG			

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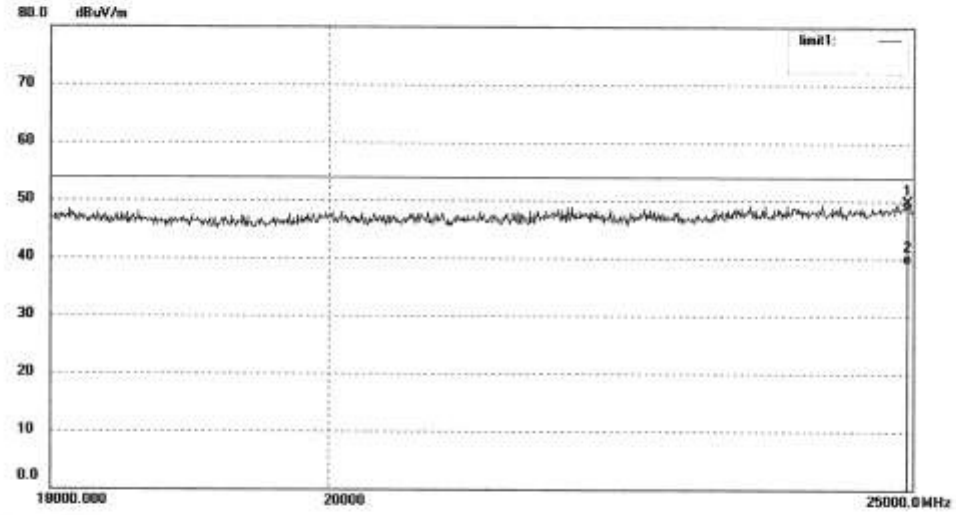
Job No.: PZ #954	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 14/09/19/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Drop kitchen Scale	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: D600A	
Manufacturer: Adaptics ltd.	

Note:



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	33.25	16.53	49.78	74.00	-24.22	peak			
2	24950.674	22.54	16.53	39.07	54.00	-14.93	AVG			

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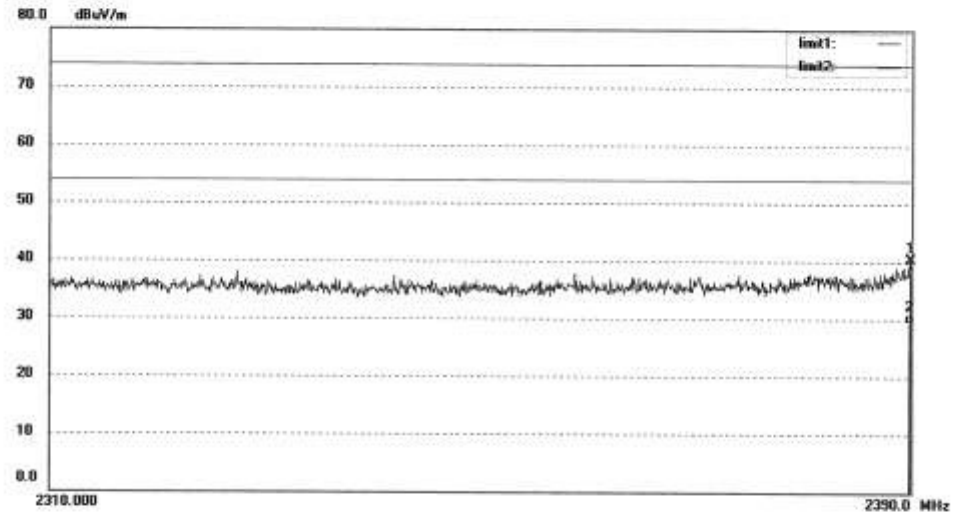
Job No.: PZ #945
Standard: FCC (Band Edge)
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Drop kitchen Scale
Mode: TX 2402MHz
Model: D600A
Manufacturer: Adaptics ltd.

Polarization: Vertical
Power Source: DC 3V
Date: 2014/09/18
Time:
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2389.837	47.82	-7.53	40.29	74.00	-33.71	peak			
2	2389.837	36.75	-7.53	29.22	54.00	-24.78	AVG			

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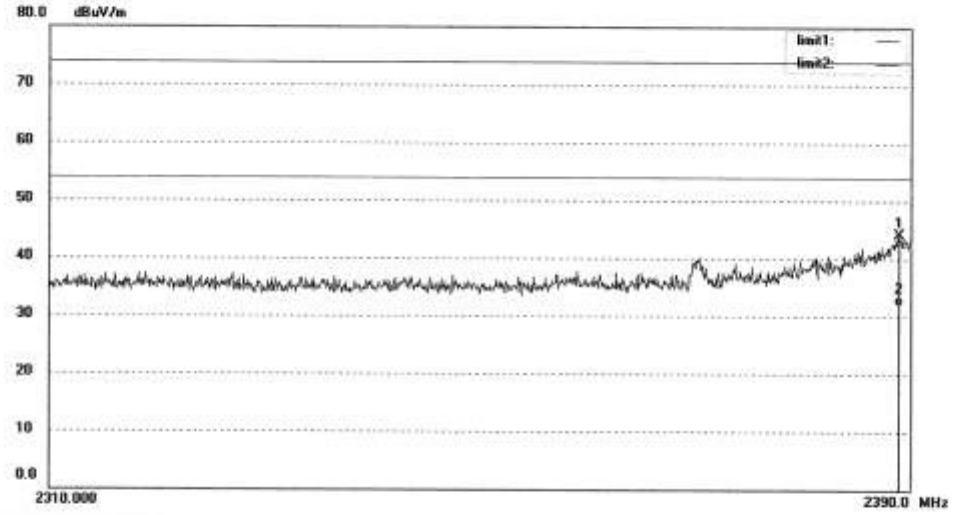
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: PZ #946	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: DC 3V
Test item: Radiation Test	Date: 2014/09/18
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Drop kitchen Scale	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: D600A	
Manufacturer: Adaptics ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2388.940	51.66	-7.53	44.13	74.00	-29.87	peak			
2	2388.940	39.35	-7.53	31.82	54.00	-22.18	AVG			

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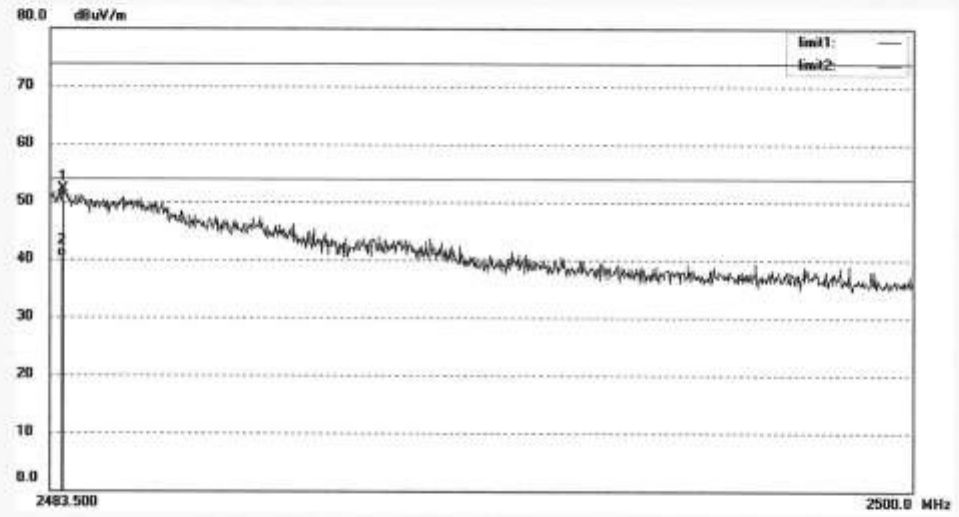
Job No.: PZ #947	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: DC 3V
Test item: Radiation Test	Date: 2014/09/18
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Drop kitchen Scale	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: D600A	
Manufacturer: Adaptics ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.731	59.45	-7.37	52.08	74.00	-21.92	peak			
2	2483.731	47.63	-7.37	40.26	54.00	-14.74	AVG			

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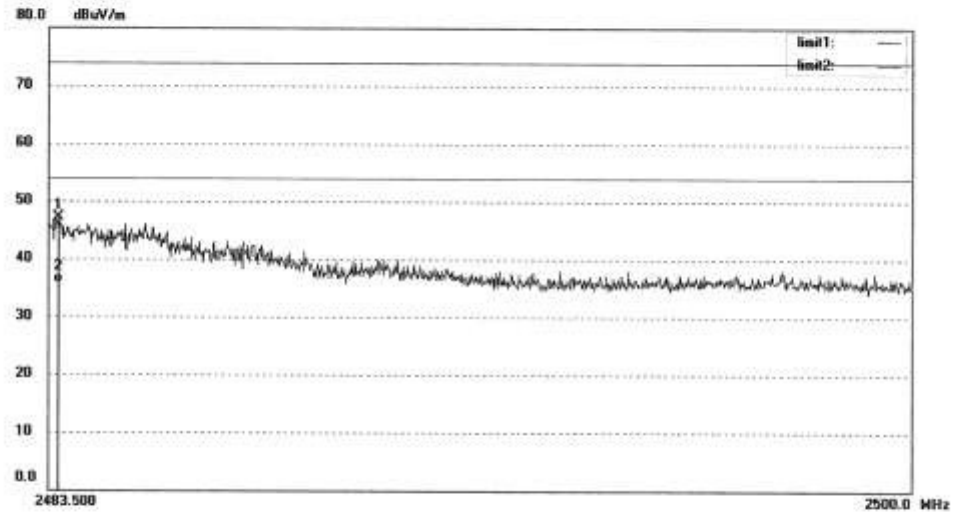
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: PZ #948	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source: DC 3V
Test item: Radiation Test	Date: 2014/09/18
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Drop kitchen Scale	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: D600A	
Manufacturer: Adaptics ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.681	54.56	-7.37	47.19	74.00	-26.81	peak			
2	2483.681	43.09	-7.37	35.72	54.00	-18.28	AVG			

6. Safety Human Exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT: **Pass**

Test standard : FCC KDB Publication 447498
RSS-102 Issue 4

The minimum distance for the EUT is 5mm, since measured maximum peak output power of the transmitter is 0.25mW (-5.95dBm), which is far below the SAR exclusion threshold level 10 mW (Appendix A, SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ⩽50 mm), hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile and Portable RF Exposure.Guidance v05.

And the EUT is exempted from routine evaluation limits (SAR Evaluation) according to clause 2.5.1 of RSS-102 Issue 4 as well.