

## APPLICATION CERTIFICATION FCC Part 15C

On Behalf of

Accent Advanced Systems SLU

Accent Systems

Model No.: iBKS Plus10

FCC ID: 2ABTTIBKSPLUS10

Prepared for : Accent Advanced Systems SLU  
Address : Bergueda 43 Local 18, Castellar del Valles, Spain 08211

Prepared by : Shenzhen Accurate Technology Co., Ltd.  
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Report No. : ATE20182221  
Date of Test : December 17-December 25, 2018  
Date of Report : December 27, 2018

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## Test Report Certification

Applicant : Accent Advanced Systems SLU  
Address : Bergueda 43 Local 18, Castellar del Valles, Spain 08211  
EUT Description : Accent Systems  
Model No. : iBKS Plus10

Measurement Procedure Used:

**FCC Rules and Regulations Part 15 Subpart C Section 15.247  
ANSI C63.10: 2013**

The EUT was tested according to DTS test procedure of August 24, 2018 KDB558074 D01 DTS Meas Guidance v05 for compliance to FCC 47CFR 15.247 requirements

The device described above is tested by Shenzhen Accurate Technology Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section 15.247 limits. The measurement results are contained in this test report and Shenzhen Accurate Technology Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Shenzhen Accurate Technology Co., Ltd.

Date of Test : December 17-December 25, 2018  
Date of Report : December 27, 2018

Prepared by :

*Stan Yang*  
  
(Stan Yang, Engineer)

Approved & Authorized Signer :

*Sean Liu*  
  
(Sean Liu, Manager)

## 1. GENERAL INFORMATION

### 1.1. Description of Device (EUT)

EUT	:	Accent Systems
Model Number	:	iBKS Plus10
Bluetooth Version	:	4.2 (Bluetooth Low Energy)
Frequency Range	:	2402-2480MHz
Modulation Type	:	GFSK
Number of Channels	:	40 channels
Channel Spacing	:	2MHz
Antenna Gain	:	1.6dBi
Antenna Type	:	Integral Antenna
Power Supply	:	DC 3.6V (4pcs battery in parallel)

### 1.2. Carrier Frequency of Channels

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

### 1.3.Special Accessory and Auxiliary Equipment

N/A

### 1.4.Description of Test Facility

EMC Lab	:	Recognition of accreditation by Federal Communications Commission (FCC) The Designation Number is CN1189 The Registration Number is 708358
		Listed by Innovation, Science and Economic Development Canada (ISED) The Registration Number is 5077A-2
		Accredited by China National Accreditation Service for Conformity Assessment (CNAS) The Registration Number is CNAS L3193
		Accredited by American Association for Laboratory Accreditation (A2LA) The Certificate Number is 4297.01
Name of Firm	:	Shenzhen Accurate Technology Co., Ltd.
Site Location	:	1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China

### 1.5.Measurement Uncertainty

Conducted Emission Expanded Uncertainty	=	2.23dB, k=2
Radiated emission expanded uncertainty (9kHz-30MHz)	=	3.08dB, k=2
Radiated emission expanded uncertainty (30MHz-1000MHz)	=	4.42dB, k=2
Radiated emission expanded uncertainty (Above 1GHz)	=	4.06dB, k=2

## 2. MEASURING DEVICE AND TEST EQUIPMENT

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

Kind of equipment	Manufacturer	Type	S/N	Calibrated dates	Cal. Interval
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 06, 2018	One Year
EMI Test Receiver	Rohde&Schwarz	ESR	101817	Jan. 06, 2018	One Year
Spectrum Analyzer	Rohde&Schwarz	FSV-40	101495	Jan. 06, 2018	One Year
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 06, 2018	One Year
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 06, 2018	One Year
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 06, 2018	One Year
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 06, 2018	One Year
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 06, 2018	One Year
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 06, 2018	One Year
Highpass Filter	Wainwright Instruments	WHKX3.6/18 G-10SS	N/A	Jan. 06, 2018	One Year
Band Reject Filter	Wainwright Instruments	WRCG2400/2 485-2375/2510 -60/11SS	N/A	Jan. 06, 2018	One Year
Conducted Emission Measurement Software: ES-K1 V1.71					
Radiated Emission Measurement Software: EZ_EMV V1.1.4.2					

### 3. OPERATION OF EUT DURING TESTING

#### 3.1. Operating Mode

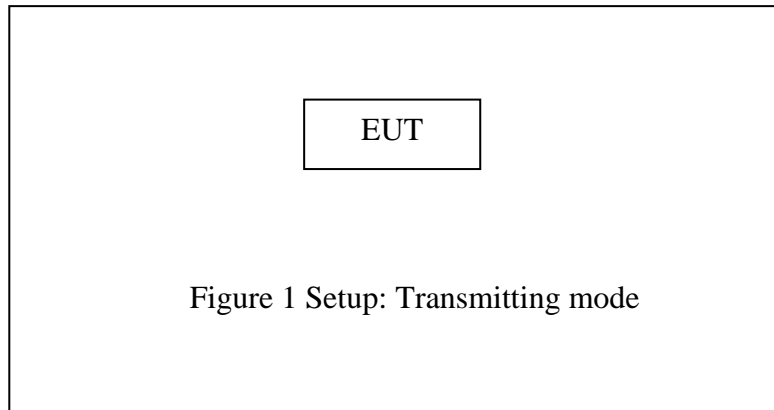
The mode is used: **Transmitting mode**

Low Channel: 2402MHz

Middle Channel: 2440MHz

High Channel: 2480MHz

#### 3.2. Configuration and peripherals





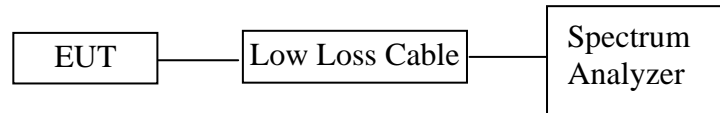
#### 4. TEST PROCEDURES AND RESULTS

<b>FCC Rules</b>	<b>Description of Test</b>	<b>Result</b>
Section 15.247(a)(2)	6dB Bandwidth Test	Compliant
Section 15.247(b)(3)	Maximum Peak Output Power Test	Compliant
Section 15.247(e)	Power Spectral Density Test	Compliant
Section 15.247(d)	Band Edge Compliance Test	Compliant
Section 15.247(d) Section 15.209	Radiated Spurious Emission Test	Compliant
Section 15.207	AC Power Line Conducted Emission Test	N/A
Section 15.203	Antenna Requirement	Compliant

Note: EUT is powered by DC 3.6V, so conducted emission test are not applicable and are skipped

## 5. 6DB BANDWIDTH TEST

### 5.1. Block Diagram of Test Setup



### 5.2. The Requirement For Section 15.247(a)(2)

Section 15.247(a)(2): Systems using digital modulation techniques may operate in the 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

### 5.3. EUT Configuration on Measurement

The equipment is installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

### 5.4. Operating Condition of EUT

5.4.1. Setup the EUT and simulator as shown as Section 5.1.

5.4.2. Turn on the power of all equipment.

5.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2440MHz, and 2480MHz TX frequency to transmit.

### 5.5. Test Procedure

5.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.

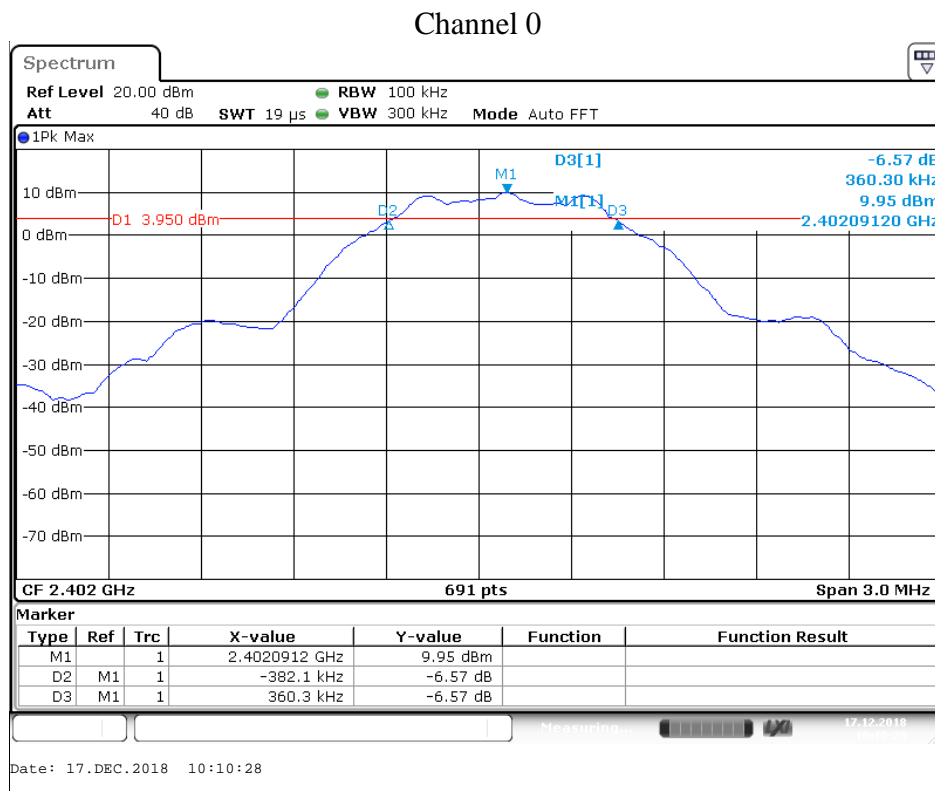
5.5.2. Set RBW of spectrum analyzer to 100 kHz and VBW to 300 kHz.

5.5.3. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

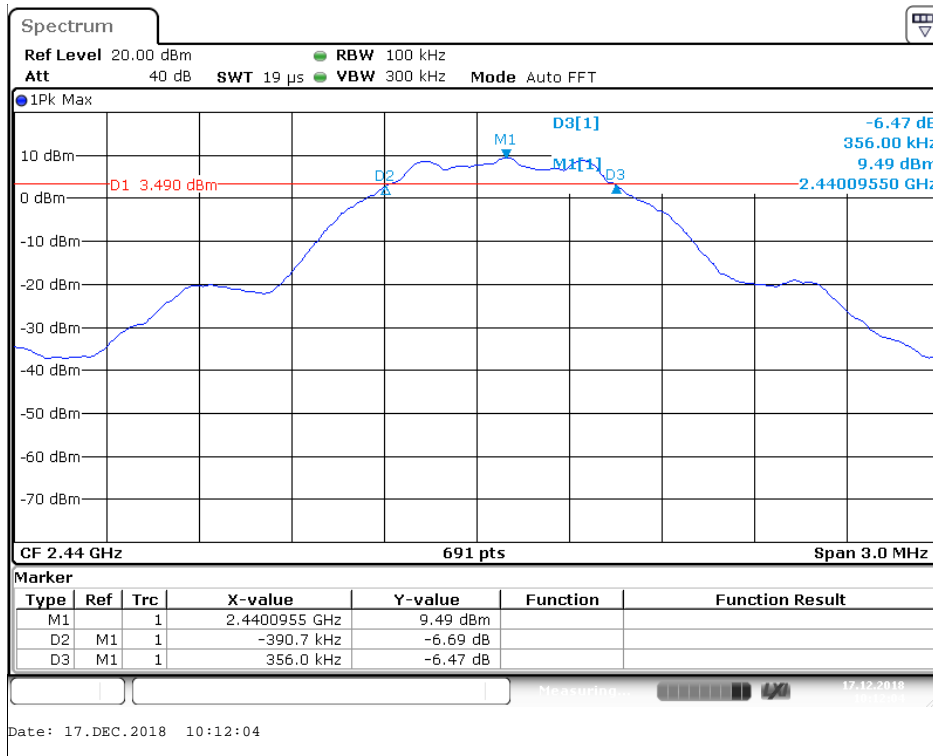
### 5.6. Test Result

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit(MHz)	Result
0	2402	0.742	0.5	Pass
19	2440	0.747	0.5	Pass
39	2480	0.742	0.5	Pass

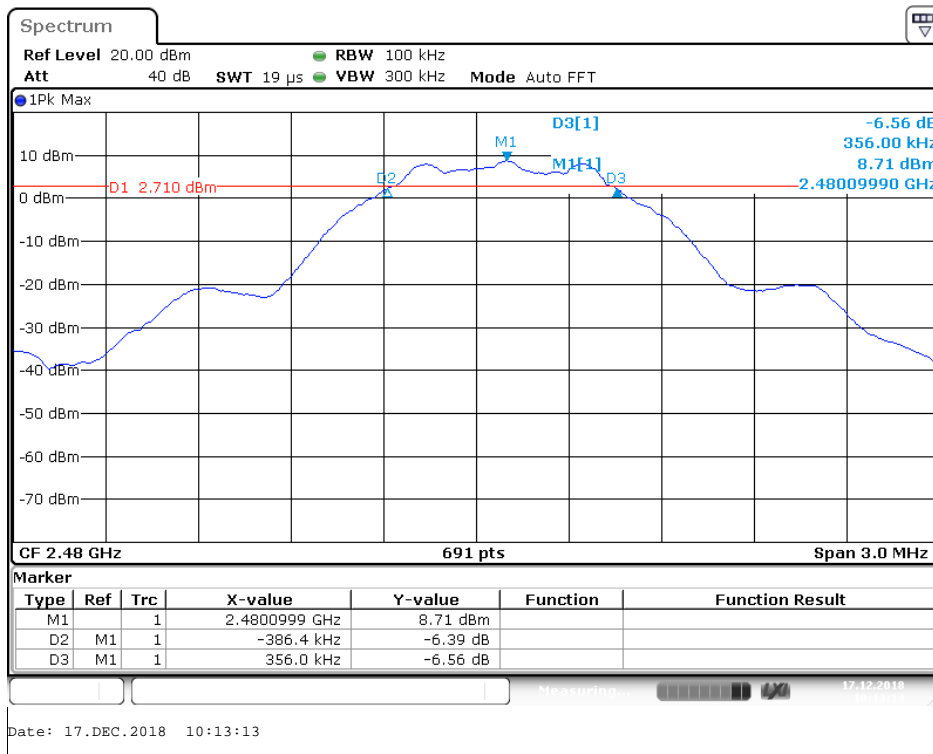
The spectrum analyzer plots are attached as below.



### Channel 19

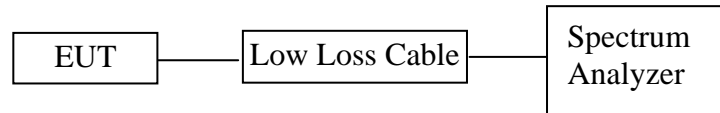


### Channel 39



## 6. DUTY CYCLE TEST

### 6.1. Block Diagram of Test Setup



### 6.2. EUT Configuration on Measurement

The equipment are installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

### 6.3. Operating Condition of EUT

6.3.1. Setup the EUT and simulator as shown as Section 6.1.

6.3.2. Turn on the power of all equipment.

6.3.3. Let the EUT work in TX modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2440MHz, and 2480MHz TX frequency to transmit.

### 6.4. Test Procedure

Measurements of duty cycle and transmission duration shall be performed using one of the following techniques:

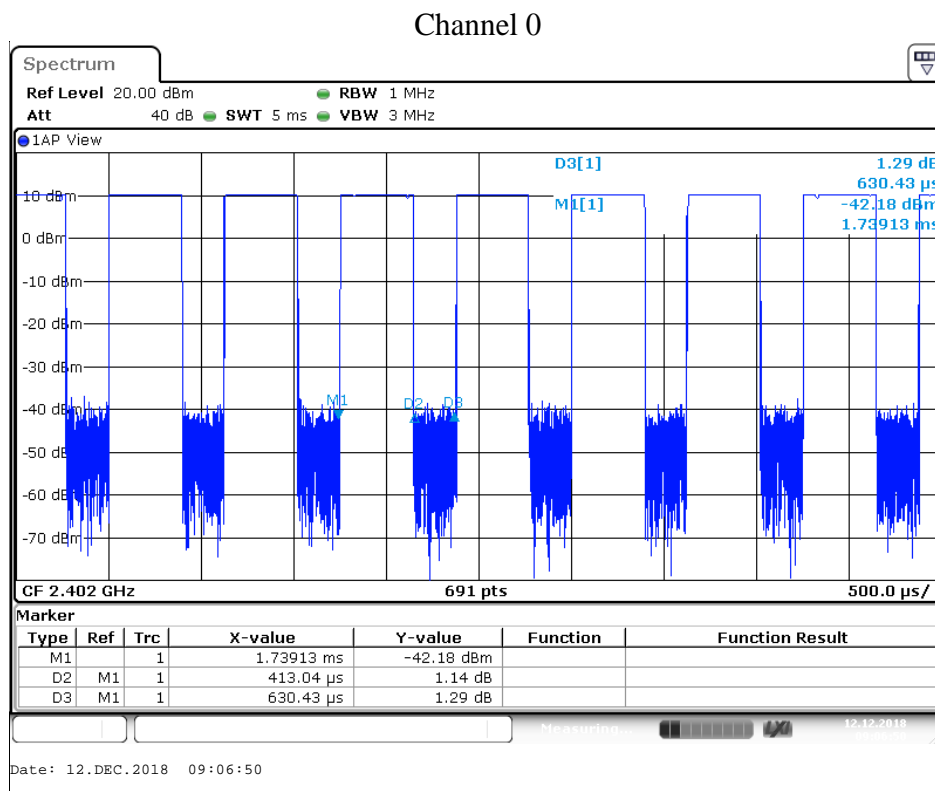
1. A diode detector and an oscilloscope that together have sufficiently short response time to permit accurate measurements of the on- and off-times of the transmitted signal.
2. The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on- and off-times of the transmitted signal
  - a. Set the center frequency of the instrument to the centre frequency of the transmission
  - b. Set  $RBW \geq OBW$  if possible; otherwise, set RBW to the largest available value(10MHz).
  - c. Set detector = Peak or average.
  - d. The zero-span measurement method shall not be used unless both RBW and VBW are  $> 50/T$  and the number of sweep points across duration T exceeds 100.  
(For example, if VBW and/or RBW are limited to 3MHz, then the zero-span method of measuring duty cycle shall not be used if  $T \leq 16.7$  microseconds.)

### 6.5. Test Result

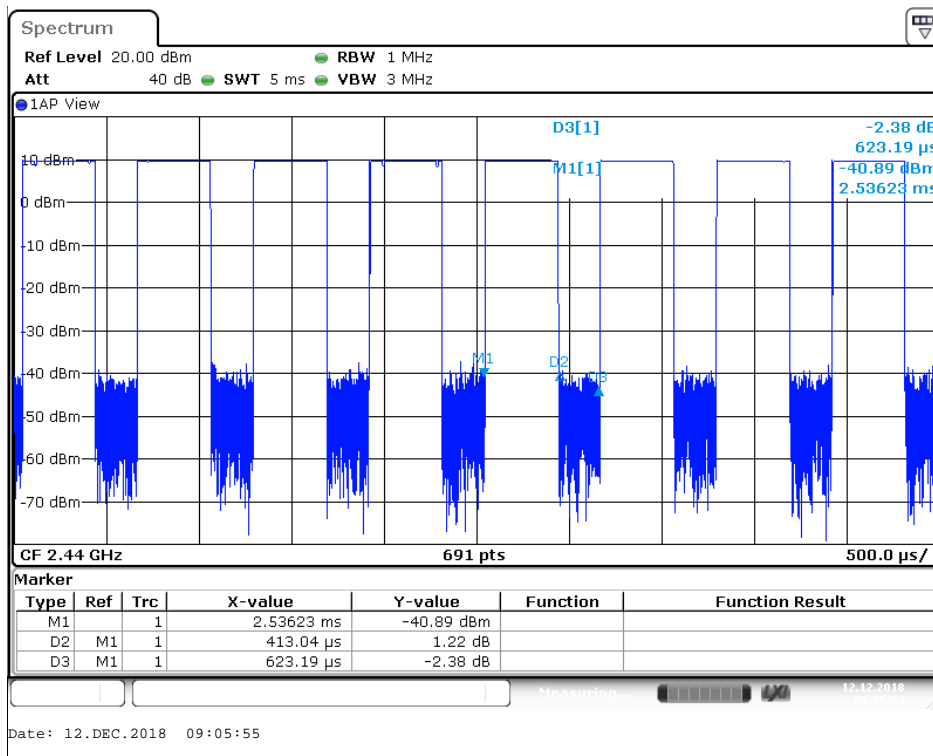
Effective period of the cycle / The duration of one cycle = DC

Channel	Frequency (MHz)	Duty Cycle
0	2402	66%
19	2440	66%
39	2480	66%

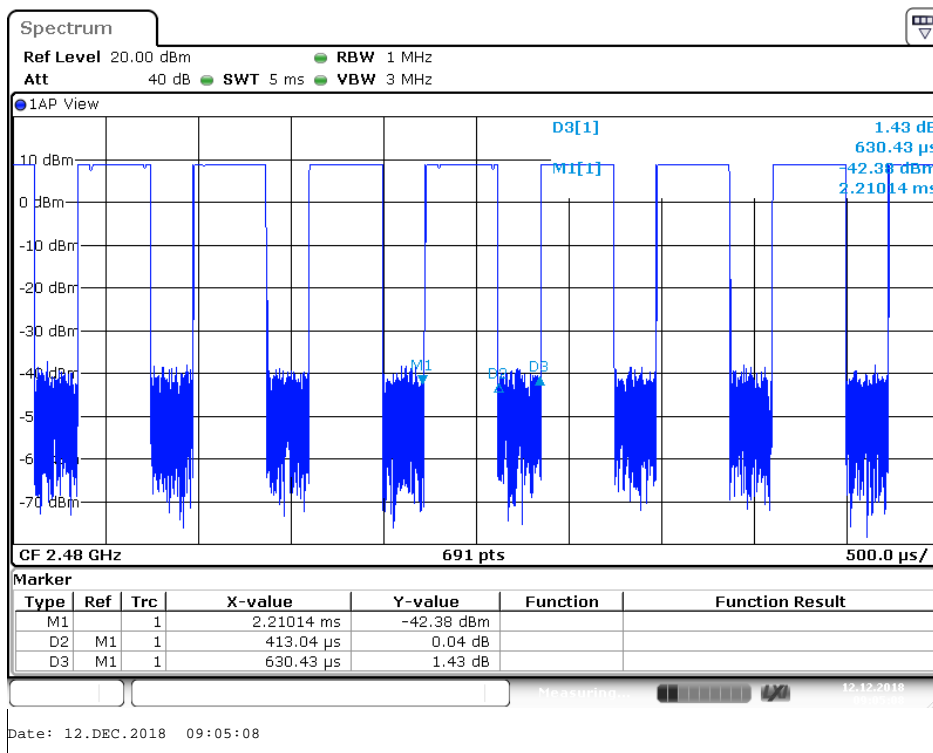
The spectrum analyzer plots are attached as below.



### Channel 19

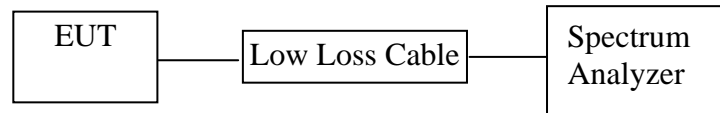


### Channel 39



## 7. MAXIMUM PEAK OUTPUT POWER TEST

### 7.1. Block Diagram of Test Setup



### 7.2. The Requirement For Section 15.247(b)(3)

Section 15.247(b)(3): For systems using digital modulation in the 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz bands: 1 Watt.

### 7.3. EUT Configuration on Measurement

The equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

### 7.4. Operating Condition of EUT

7.4.1. Setup the EUT and simulator as shown as Section 7.1.

7.4.2. Turn on the power of all equipment.

7.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2440MHz, and 2480MHz TX frequency to transmit.

### 7.5. Test Procedure

7.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.

7.5.2. Set RBW of spectrum analyzer to 3MHz and VBW to 10MHz.

7.5.3. Measurement the maximum peak output power.

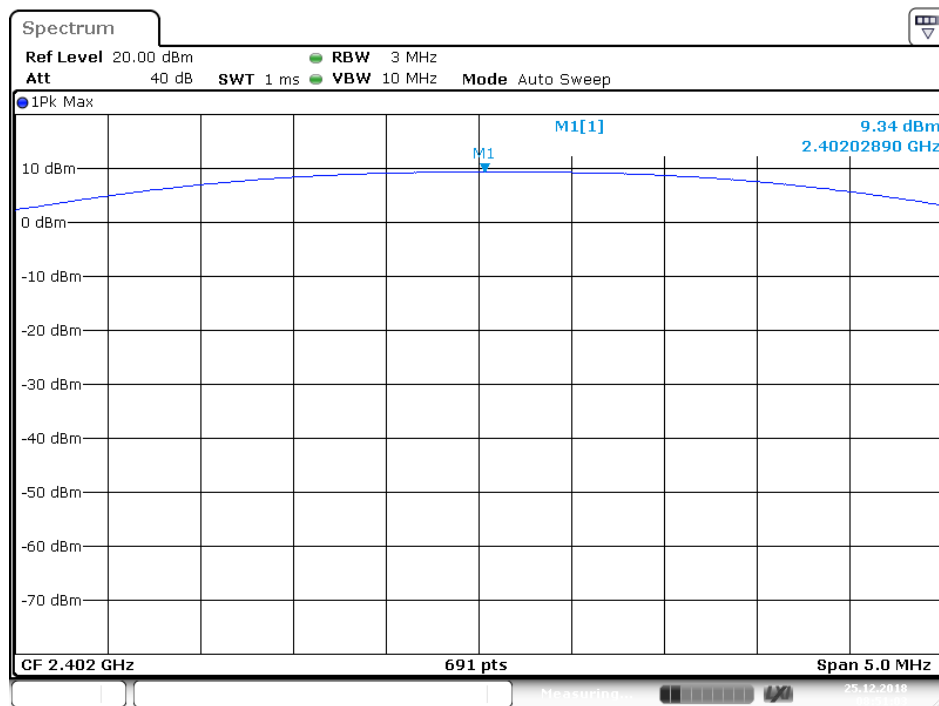


### 7.6. Test Result

Channel	Frequency (MHz)	Peak Power Output (dBm)	Limit (dBm)	Result
0	2402	9.34	30	Pass
19	2440	9.56	30	Pass
39	2480	8.88	30	Pass

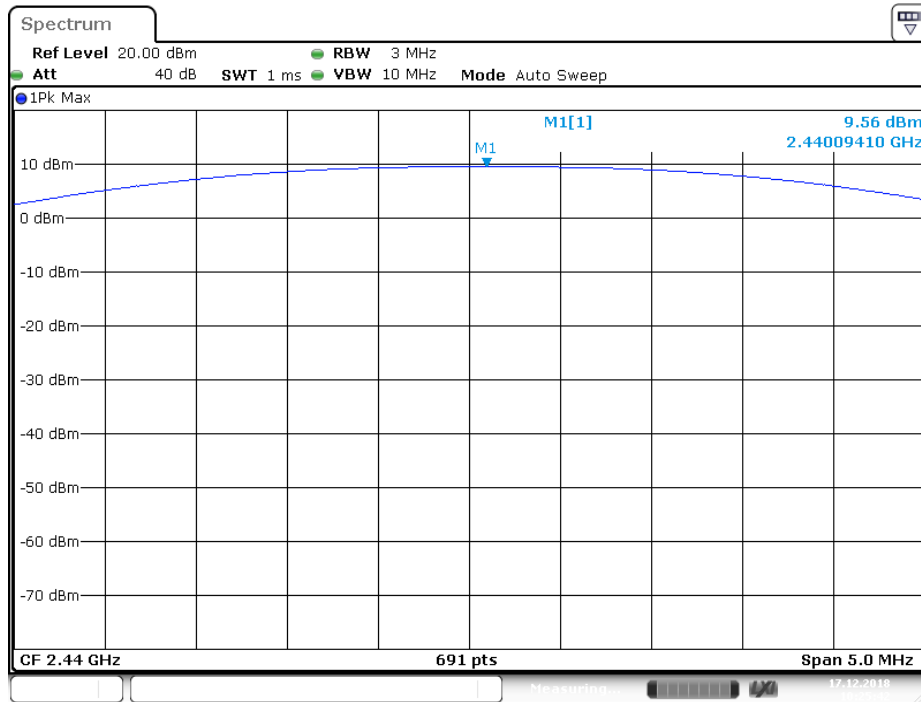
The spectrum analyzer plots are attached as below.

Channel 0



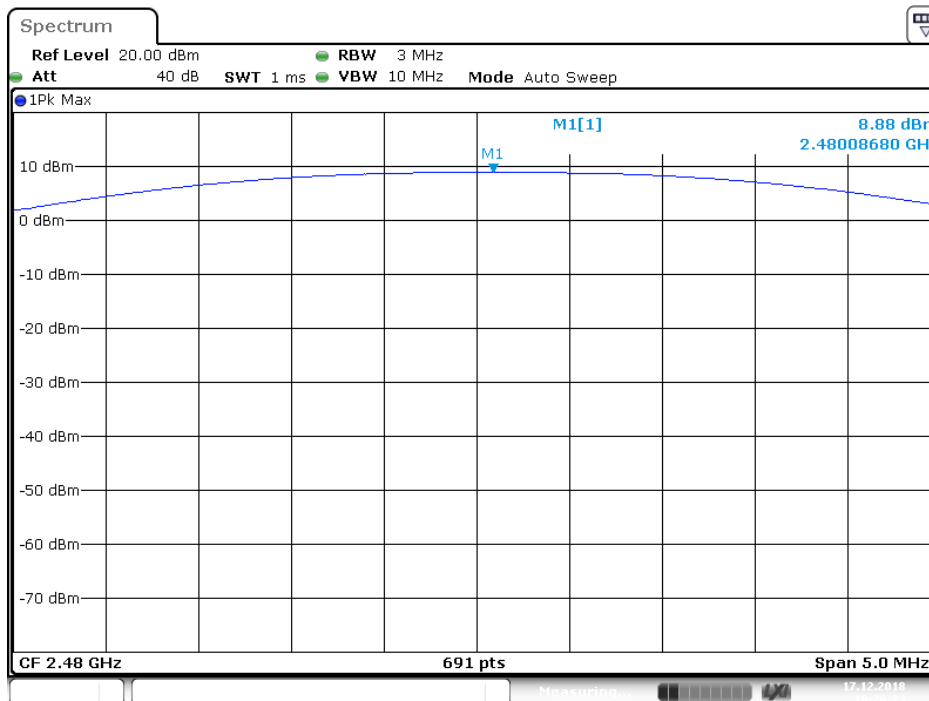
Date: 25.DEC.2018 08:51:03

### Channel 19



Date: 17.DEC.2018 10:25:42

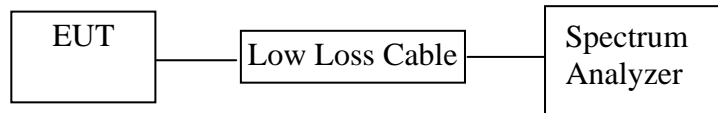
### Channel 39



Date: 17.DEC.2018 10:26:23

## 8. POWER SPECTRAL DENSITY TEST

### 8.1. Block Diagram of Test Setup



### 8.2. The Requirement For Section 15.247(e)

Section 15.247(e): For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

### 8.3. EUT Configuration on Measurement

The equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

### 8.4. Operating Condition of EUT

8.4.1. Setup the EUT and simulator as shown as Section 8.1.

8.4.2. Turn on the power of all equipment.

8.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2440MHz, and 2480MHz TX frequency to transmit.

### 8.5. Test Procedure

8.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.

8.5.2. Measurement Procedure PKPSD:

8.5.3. This procedure must be used if maximum peak conducted output power was used to demonstrate compliance to the fundamental output power limit, and is optional if the maximum (average) conducted output power was used to demonstrate compliance.

1. Set analyzer center frequency to DTS Channel center frequency.
2. Set the span to 1.5 times the DTS Channel bandwidth.
3. Set the RBW to:  $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$ .
4. Set the VBW  $\geq 3 \times \text{RBW}$ .
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.
10. If measured value exceeds limit, reduce RBW (no less than 3kHz) and repeat.

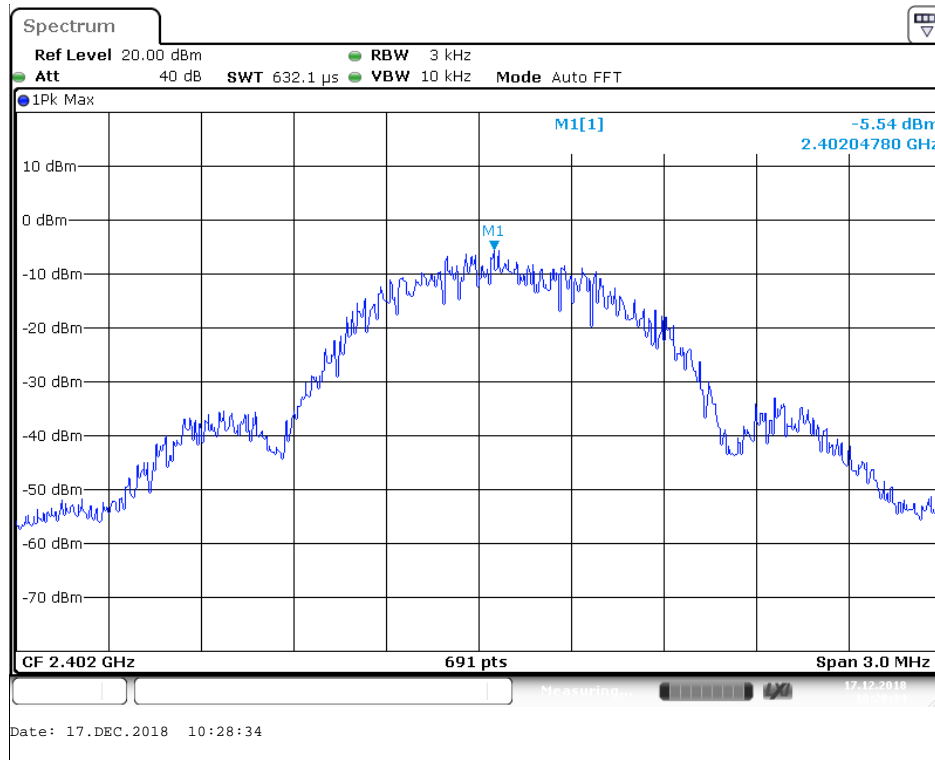
8.5.4. Measurement the maximum power spectral density.

### 8.6. Test Result

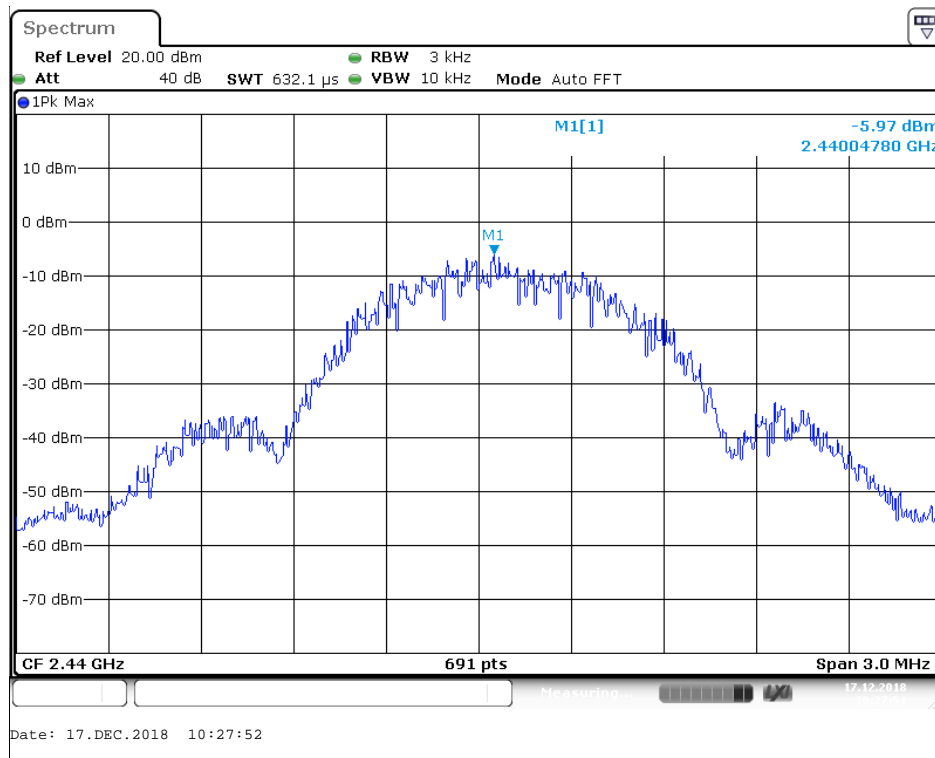
Channel	Frequency (MHz )	PSD (dBm/3KHz)	Limit (dBm/3KHz)	Result
0	2402	-5.54	8	Pass
19	2440	-5.97	8	Pass
39	2480	-6.78	8	Pass

The spectrum analyzer plots are attached as below.

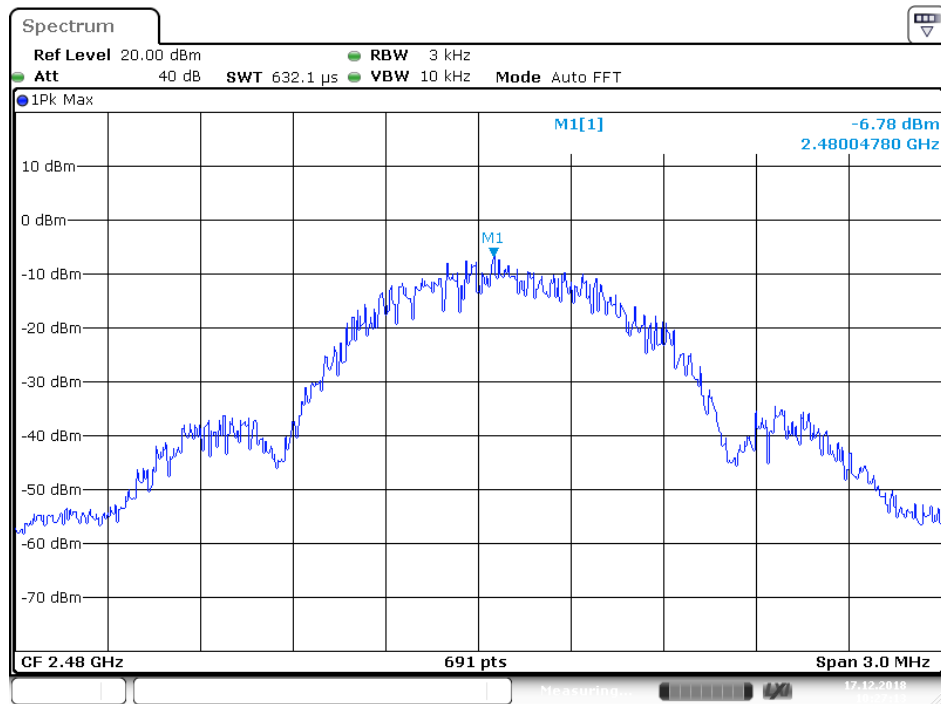
### Channel 0



### Channel 19



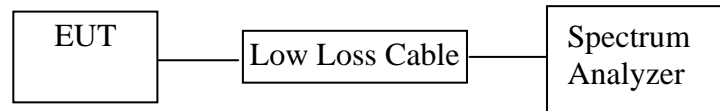
### Channel 39



Date: 17.DEC.2018 10:27:13

## 9. BAND EDGE COMPLIANCE TEST

### 9.1. Block Diagram of Test Setup



### 9.2. The Requirement For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

### 9.3. EUT Configuration on Measurement

The equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

### 9.4. Operating Condition of EUT

9.4.1. Setup the EUT and simulator as shown as Section 9.1.

9.4.2. Turn on the power of all equipment.

9.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2480MHz TX frequency to transmit.

## 9.5. Test Procedure

### Conducted Band Edge:

9.5.1. The transmitter output was connected to the spectrum analyzer via a low loss cable.

9.5.2. Set RBW of spectrum analyzer to 100 kHz and VBW to 300 kHz.

### Radiate Band Edge:

9.5.3. The EUT is placed on a turntable, which is 1.5m above the ground plane and worked at highest radiated power.

9.5.4. The turntable was rotated for 360 degrees to determine the position of maximum emission level.

9.5.5. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.

9.5.6. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:

9.5.7. RBW=1MHz, VBW=1MHz

9.5.8. The band edges was measured and recorded.

## 9.6. Test Result

**Pass.**

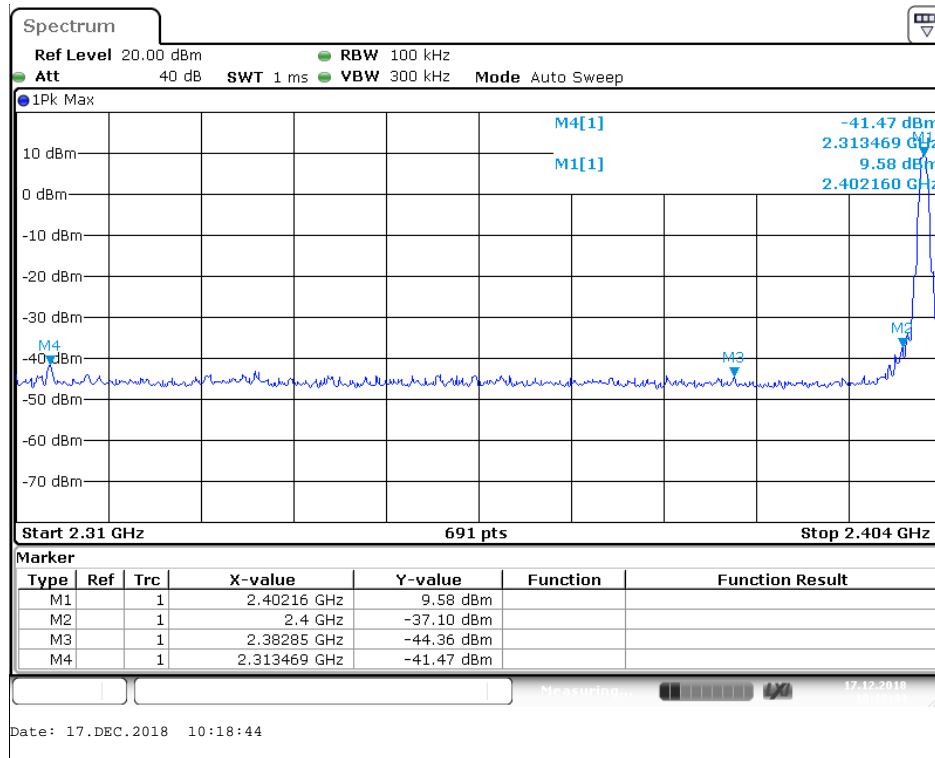
### Conducted Band Edge Result

Channel	Frequency	Delta peak to band emission	Limit(dBc)
0	2402MHz	46.67	> 20
39	2480MHz	54.83	> 20

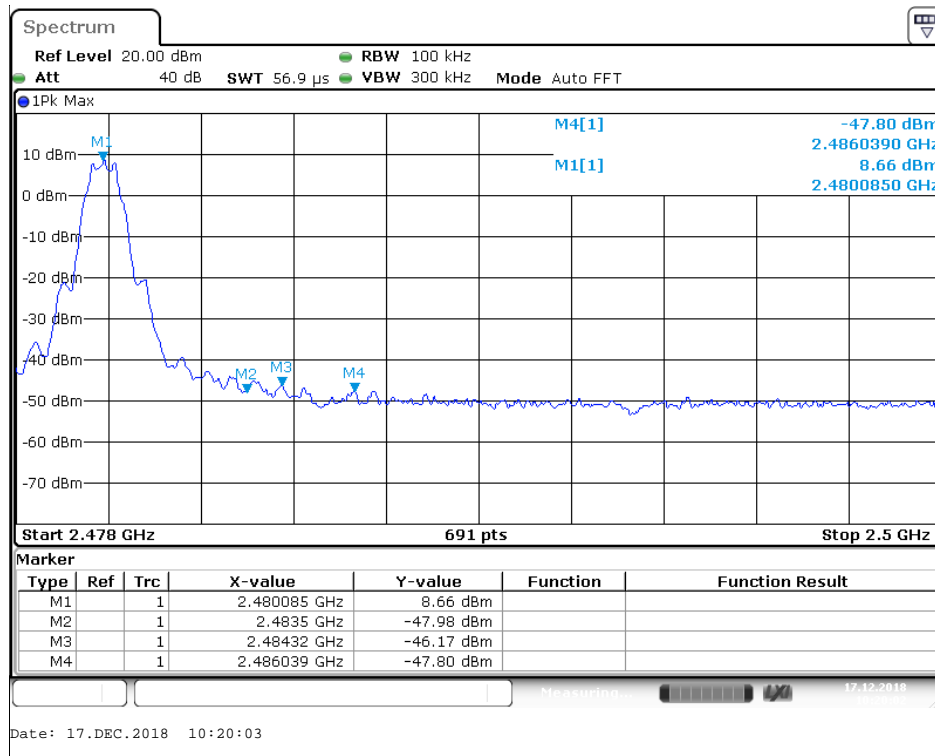
The spectrum analyzer plots are attached as below.



### Channel 0



### Channel 39



**Radiated Band Edge Result**

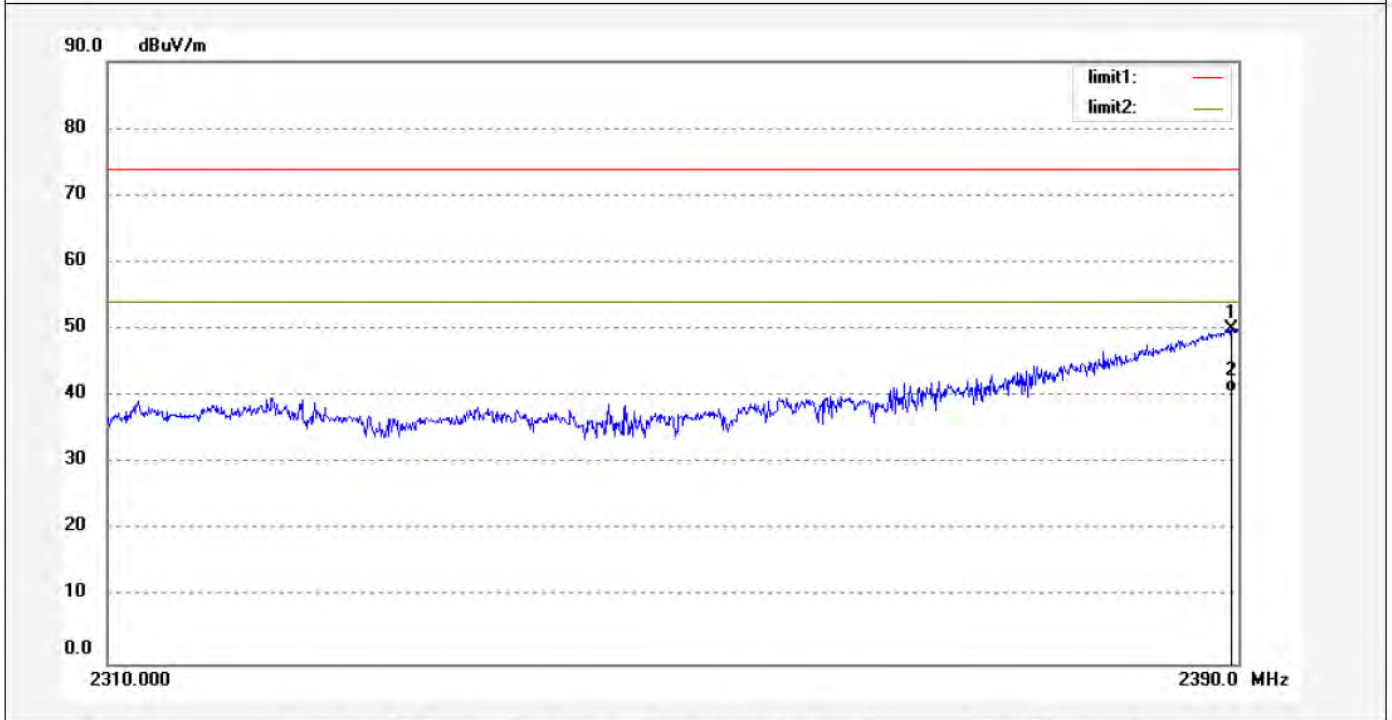
**ACCURATE TECHNOLOGY CO., LTD.**

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

Job No.: TUV2018 #1488	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source:
Test item: Radiation Test	Date: 18/12/17/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Accent Systems	Engineer Signature: WADE
Mode: TX 2402MHz	Distance: 3m
Model: iBKS Plus10	
Manufacturer: Accent Advanced Systems SLU	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2389.520	49.36	0.79	50.15	74.00	-23.85	peak			
2	2389.520	39.78	0.79	40.57	54.00	-13.43	AVG			



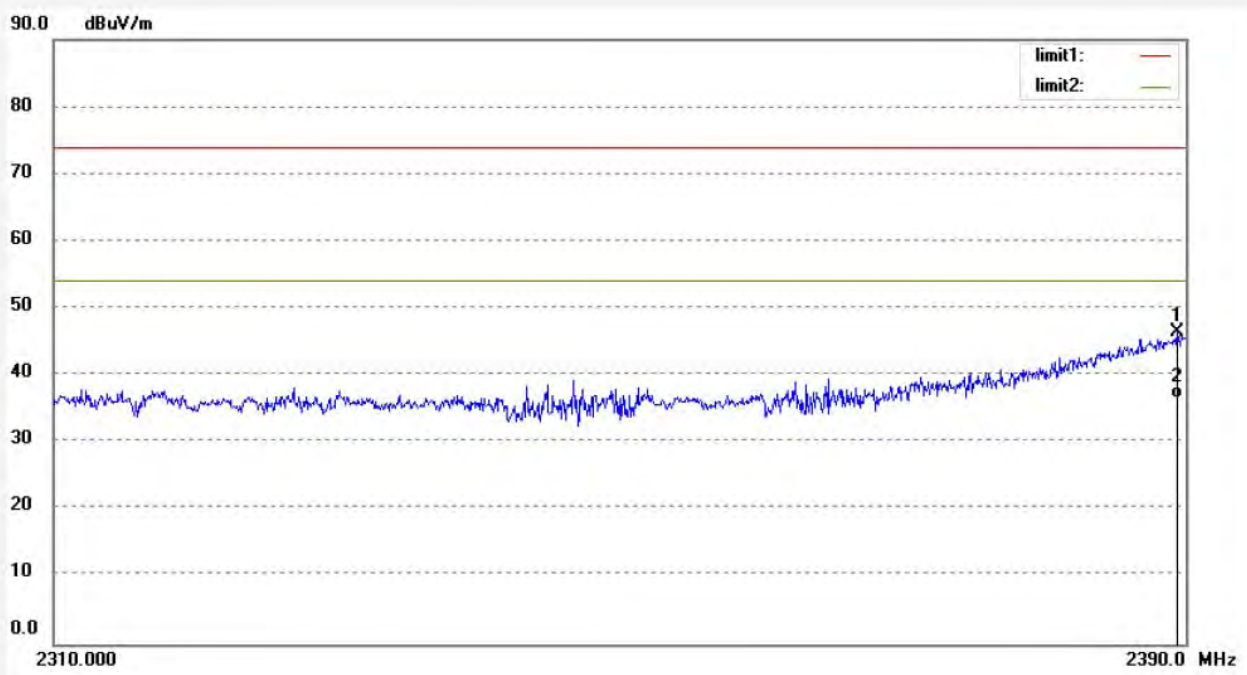
**ACCURATE TECHNOLOGY CO., LTD.**

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

Job No.: TUV2018 #1487	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source:
Test item: Radiation Test	Date: 18/12/17/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Accent Systems	Engineer Signature: WADE
Mode: TX 2402MHz	Distance: 3m
Model: iBKS Plus10	
Manufacturer: Accent Advanced Systems SLU	

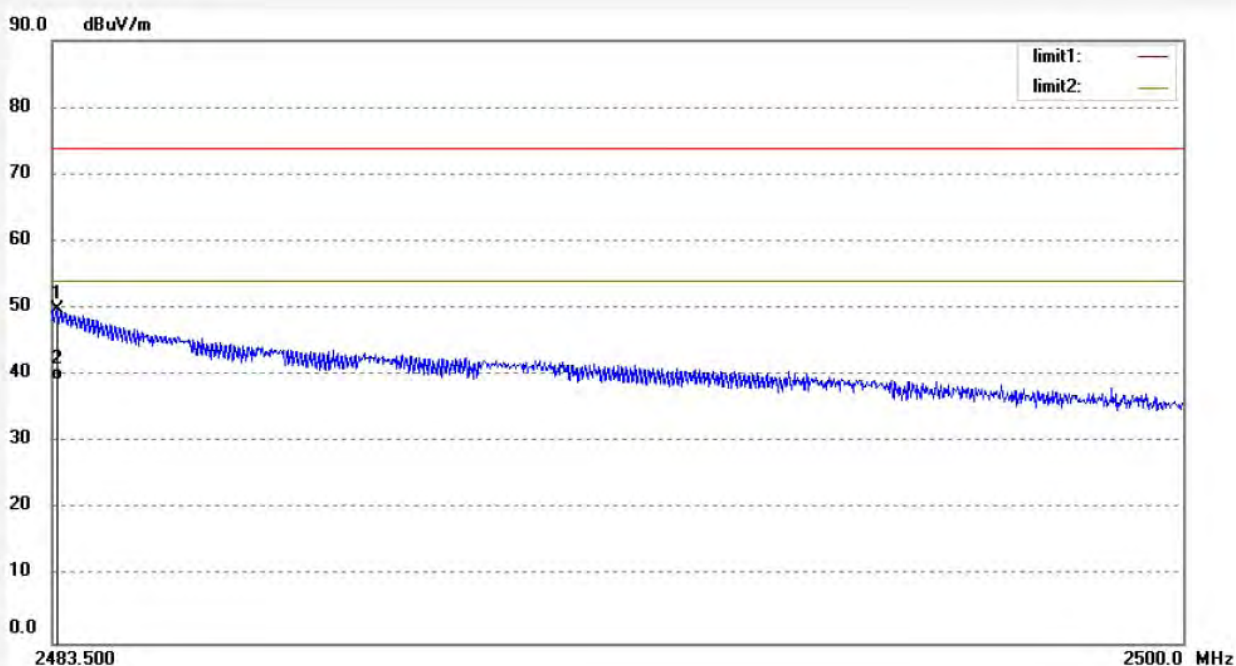
Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2389.360	45.77	0.79	46.56	74.00	-27.44	peak			
2	2389.360	35.66	0.79	36.45	54.00	-17.55	AVG			

Job No.: TUV2018 #1493	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source:
Test item: Radiation Test	Date: 18/12/17/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Accent Systems	Engineer Signature: WADE
Mode: TX 2480MHz	Distance: 3m
Model: iBKS Plus10	
Manufacturer: Accent Advanced Systems SLU	

Note:

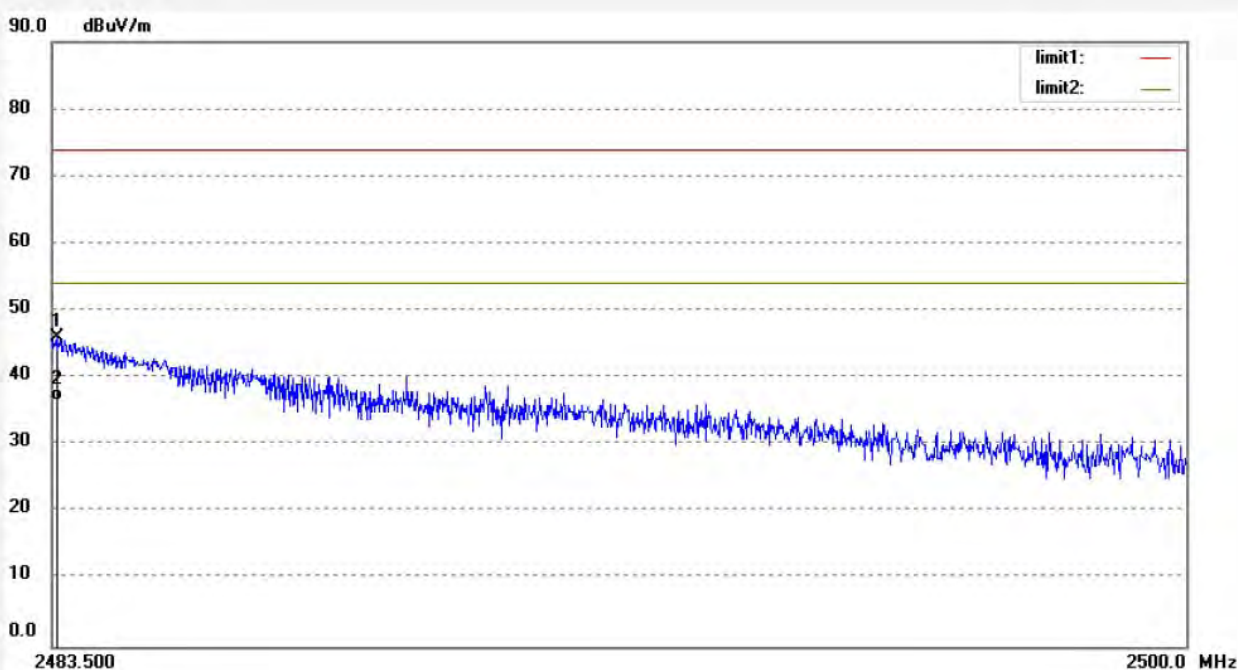


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.582	48.65	1.10	49.75	74.00	-24.25	peak			
2	2483.582	38.24	1.10	39.34	54.00	-14.66	AVG			



Job No.: TUV2018 #1494	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source:
Test item: Radiation Test	Date: 18/12/17/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Accent Systems	Engineer Signature: WADE
Mode: TX 2480MHz	Distance: 3m
Model: iBKS Plus10	
Manufacturer: Accent Advanced Systems SLU	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.582	44.92	1.10	46.02	74.00	-27.98	peak			
2	2483.582	35.44	1.10	36.54	54.00	-17.46	AVG			

Note:

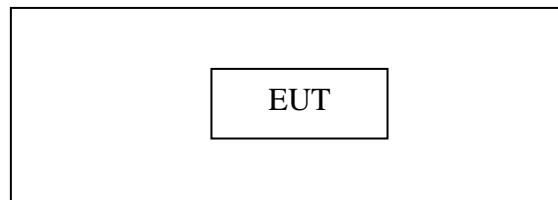
1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

## 10.RADIATED SPURIOUS EMISSION TEST

### 10.1.Block Diagram of Test Setup

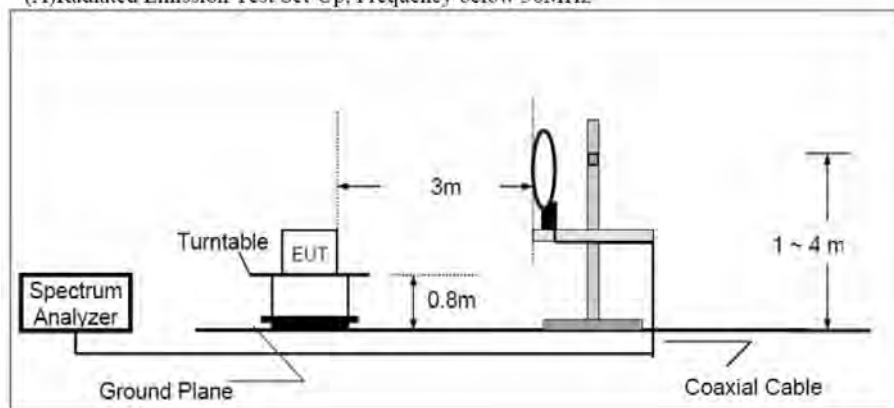
#### 10.1.1.Block diagram of connection between the EUT and peripherals



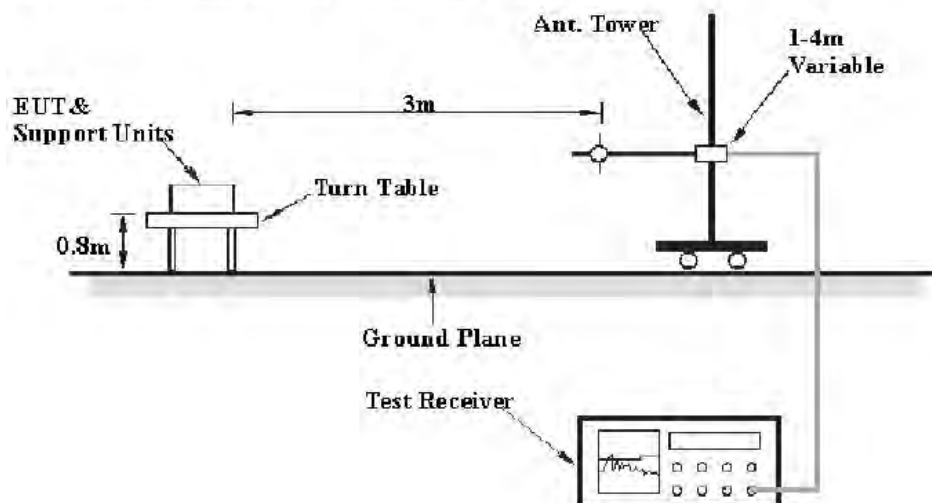
Setup: Transmitting mode

#### 10.1.2.Semi-Anechoic Chamber Test Setup Diagram

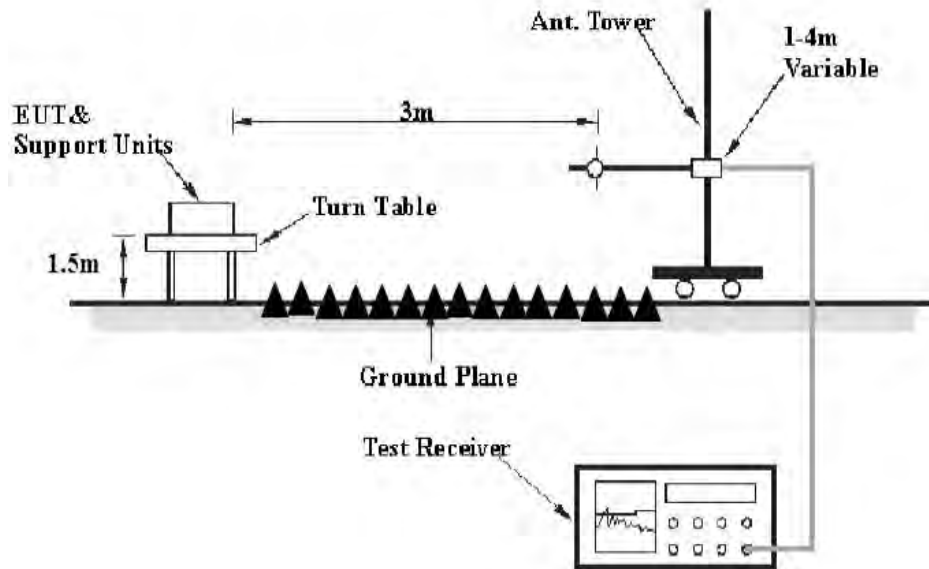
(A) Radiated Emission Test Set-Up, Frequency below 30MHz



(B) Radiated Emission Test Set-Up, Frequency 30MHz-1GHz



(C) Radiated Emission Test Set-Up, Frequency above 1GHz



## 10.2. The Limit For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

### 10.3. Restricted bands of operation

#### 10.3.1. FCC Part 15.205 Restricted bands of operation

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

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

<sup>1</sup>Until February 1, 1999, this restricted band shall be 0.490-0.510

<sup>2</sup>Above 38.6

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

### 10.4. Configuration of EUT on Measurement

The equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.



## 10.5. Operating Condition of EUT

10.5.1. Setup the EUT and simulator as shown as Section 10.1.

10.5.2. Turn on the power of all equipment.

10.5.3. Let the EUT work in TX modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2440MHz, and 2480MHz TX frequency to transmit.

## 10.6. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground (Below 1GHz). The EUT and its simulators are placed on a turntable, which is 1.5 meter high above ground (Above 1GHz). The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bi-log antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the EUT location must be manipulated according to ANSI C63.10:2013 on radiated emission measurement. This EUT was tested in 3 orthogonal positions and the worst case position data was reported.

The bandwidth of test receiver is set at 9 kHz in below 30MHz. and set at 120 kHz in 30-1000MHz, and 1MHz in above 1000MHz.

The final measurement in band 9-90 kHz, 110-490 kHz and above 1000MHz is performed with Average detector. Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector. The field strength is calculated by adding the antenna factor, and cable loss, and subtracting the amplifier gain from the measured reading.

### 10.7.Data Sample

Frequency (MHz)	Reading (dB $\mu$ v)	Factor (dB/m)	Result (dB $\mu$ v/m)	Limit (dB $\mu$ v/m)	Margin (dB)	Remark
X.XX	43.85	-22.22	21.63	43.5	-21.87	QP

Frequency(MHz) = Emission frequency in MHz

Reading(dB $\mu$ v) = Uncorrected Analyzer/Receiver reading

Factor (dB/m) = Antenna factor + Cable Loss – Amplifier gain

Result(dB $\mu$ v/m) = Reading(dB $\mu$ v) + Factor(dB/m)

Limit (dB $\mu$ v/m) = Limit stated in standard

Margin (dB) = Result(dB $\mu$ v/m) - Limit (dB $\mu$ v/m)

QP = Quasi-peak Reading

Calculation Formula:

Margin(dB) = Result (dB $\mu$ V/m)–Limit(dB $\mu$ V/m)

Result(dB $\mu$ V/m)= Reading(dB $\mu$ V)+ Factor(dB/m)

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB means the emission is 7dB below the limit.

### 10.8.Radiation Emission Measurement Results

**Pass.**

The frequency range from 9kHz to 26.5GHz is checked.

Emissions attenuated more than 20 dB below the permissible value are not reported.

The spectrum analyzer plots are attached as below.

### 9kHz-30MHz test data

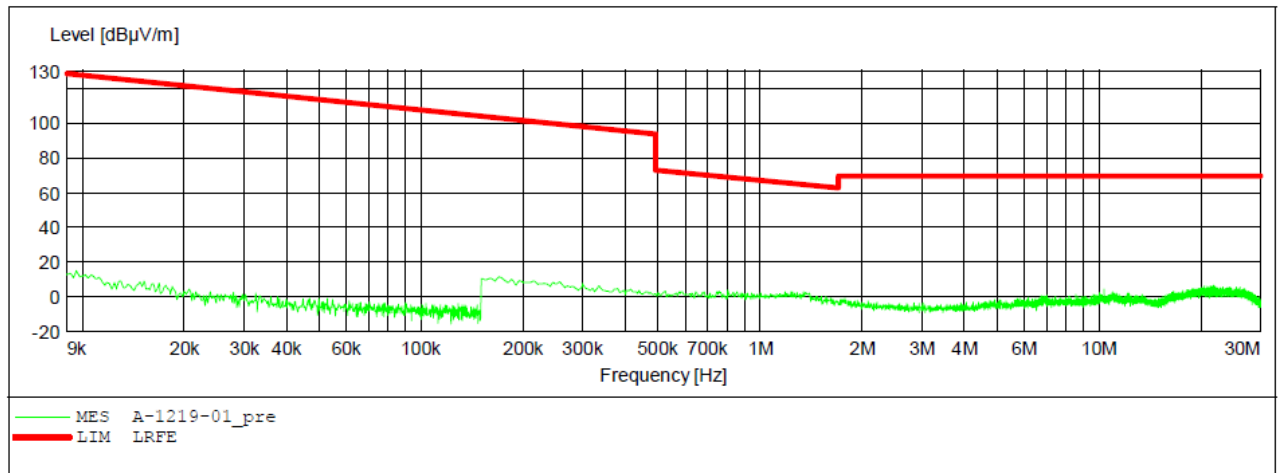
ACCURATE TECHNOLOGY CO., LTD.

#### FCC Part 15C 3M Radiated

EUT: Accent Systems M/N:iBKS Plus10  
 Manufacturer: Accent Advanced Systems SLU  
 Operating Condition: TX 2402MHz  
 Test Site: 2# Chamber  
 Operator: WADE  
 Test Specification: DC 3.6V  
 Comment: X  
 Start of Test: 2018-12-19 /

#### SCAN TABLE: "LFRE Fin"

Start	Stop	Step	_SUB_STD_VTERM2	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	1.70	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz		QuasiPeak	1.0 s	9 kHz	1516M



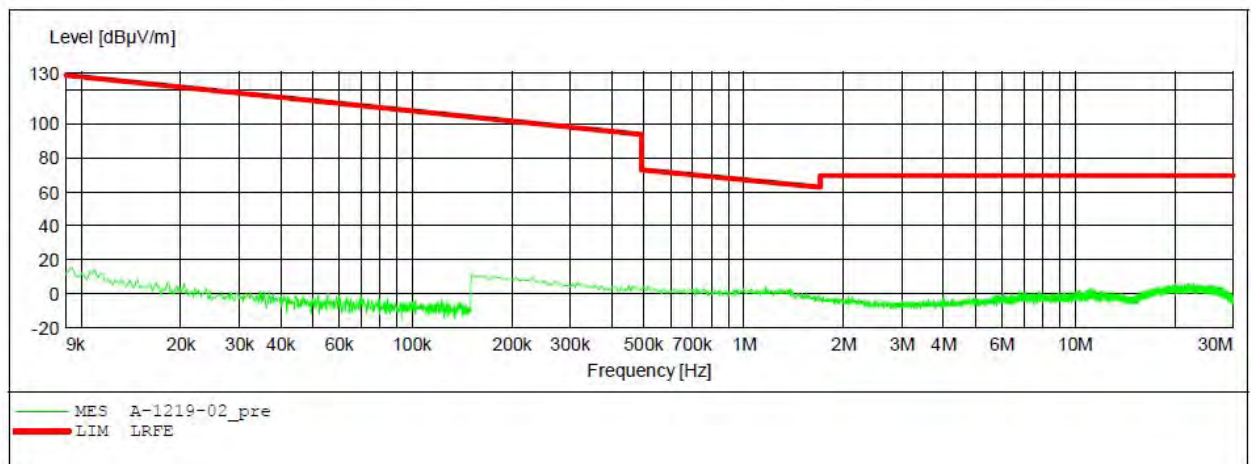
**ACCURATE TECHNOLOGY CO., LTD.**

**FCC Part 15C 3M Radiated**

EUT: Accent Systems M/N:iBKS Plus10  
 Manufacturer: Accent Advanced Systems SLU  
 Operating Condition: TX 2402MHz  
 Test Site: 2# Chamber  
 Operator: WADE  
 Test Specification: DC 3.6V  
 Comment: Y  
 Start of Test: 2018-12-19 /

**SCAN TABLE: "LFRE Fin"**

Short Description:		_SUB_STD_VTERM2 1.70					
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer	
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M	
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M	



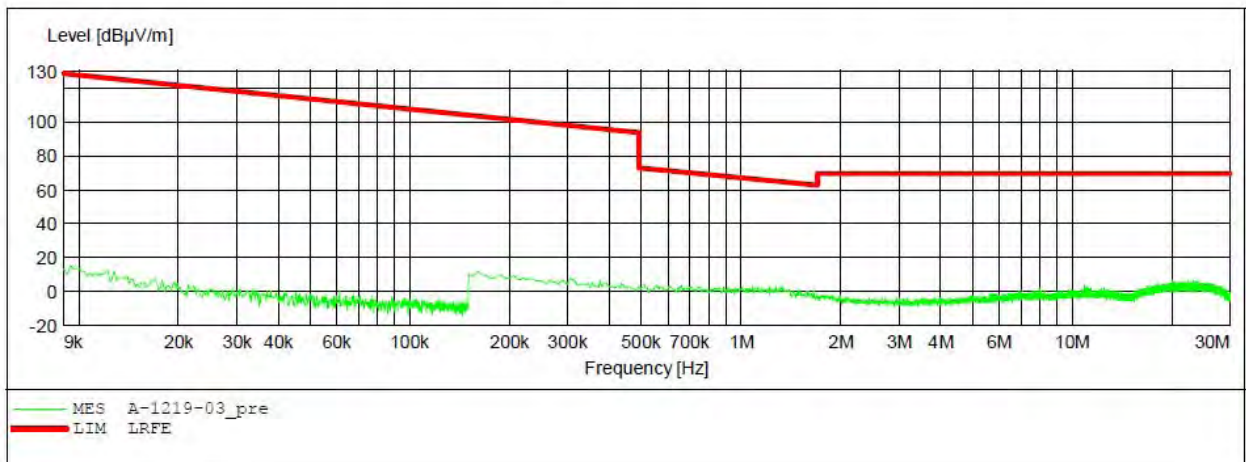
**ACCURATE TECHNOLOGY CO., LTD.**

**FCC Part 15C 3M Radiated**

EUT: Accent Systems M/N:iBKS Plus10  
 Manufacturer: Accent Advanced Systems SLU  
 Operating Condition: TX 2402MHz  
 Test Site: 2# Chamber  
 Operator: WADE  
 Test Specification: DC 3.6V  
 Comment: Z  
 Start of Test: 2018-12-19 /

**SCAN TABLE: "LRFE Fin"**

Start	Stop	Step	_SUB STD	VTERM2	1.70	Detector	Meas.	IF	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M			
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M			



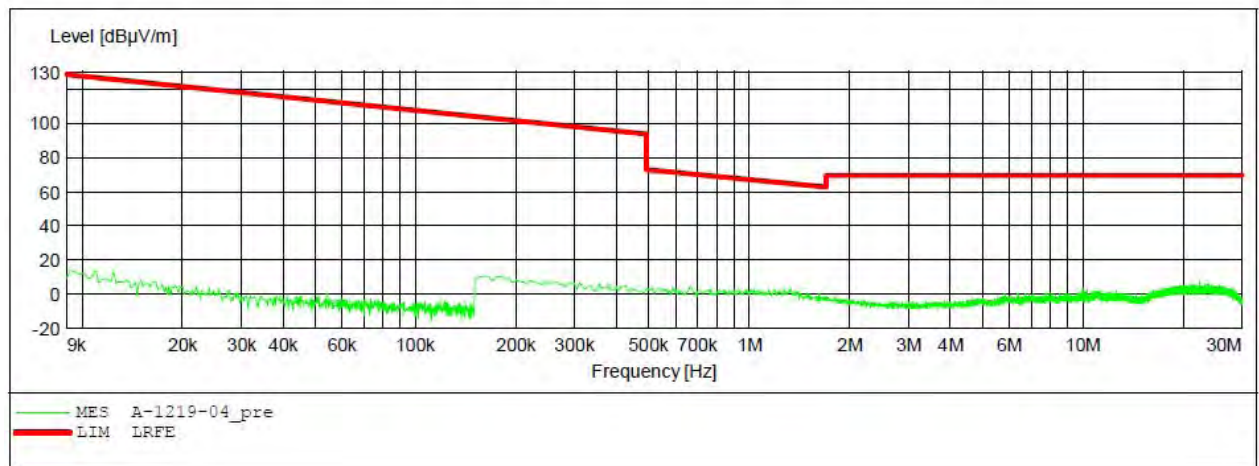
**ACCURATE TECHNOLOGY CO., LTD.**

**FCC Part 15C 3M Radiated**

EUT: Accent Systems M/N:iBKS Plus10  
 Manufacturer: Accent Advanced Systems SLU  
 Operating Condition: TX 2440MHz  
 Test Site: 2# Chamber  
 Operator: WADE  
 Test Specification: DC 3.6V  
 Comment: X  
 Start of Test: 2018-12-19 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			_SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



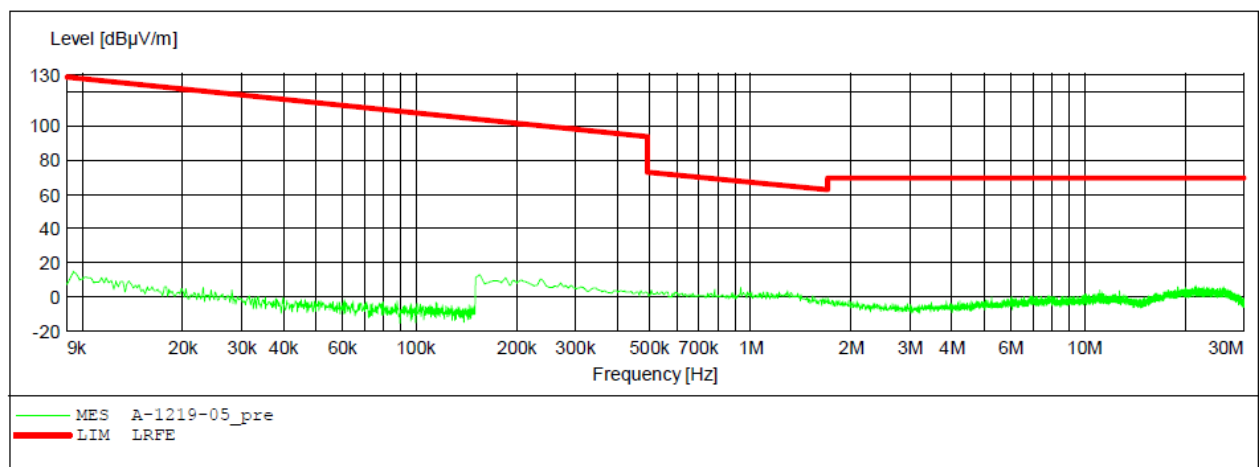
**ACCURATE TECHNOLOGY CO., LTD.**

**FCC Part 15C 3M Radiated**

EUT: Accent Systems M/N:iBKS Plus10  
 Manufacturer: Accent Advanced Systems SLU  
 Operating Condition: TX 2440MHz  
 Test Site: 2# Chamber  
 Operator: WADE  
 Test Specification: DC 3.6V  
 Comment: Y  
 Start of Test: 2018-12-19 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			_SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M





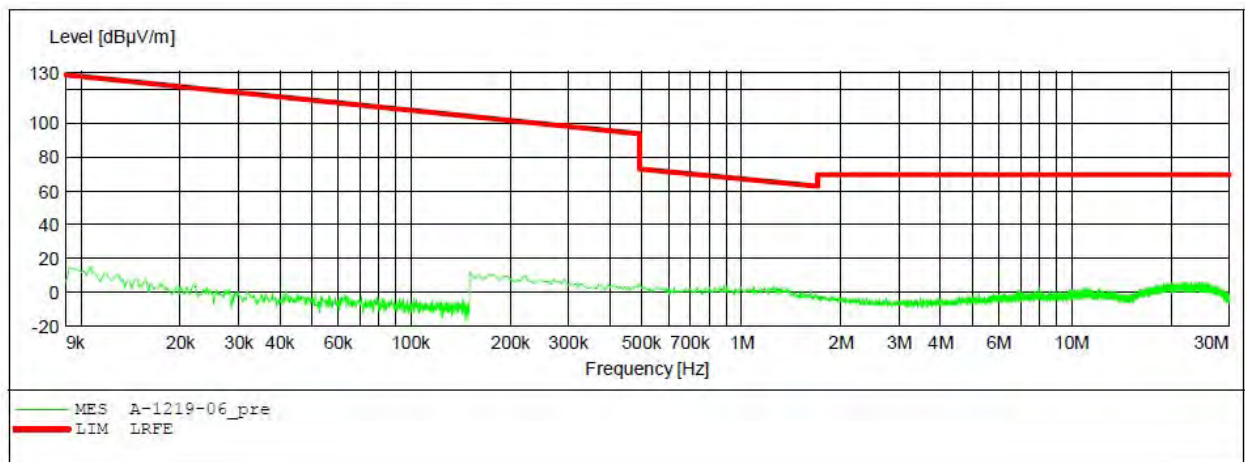
**ACCURATE TECHNOLOGY CO., LTD.**

**FCC Part 15C 3M Radiated**

EUT: Accent Systems M/N:iBKS Plus10  
 Manufacturer: Accent Advanced Systems SLU  
 Operating Condition: TX 2440MHz  
 Test Site: 2# Chamber  
 Operator: WADE  
 Test Specification: DC 3.6V  
 Comment: Z  
 Start of Test: 2018-12-19 /

**SCAN TABLE: "LFRE Fin"**

Short Description:		_SUB_STD_VTERM2 1.70					
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer	
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M	
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M	





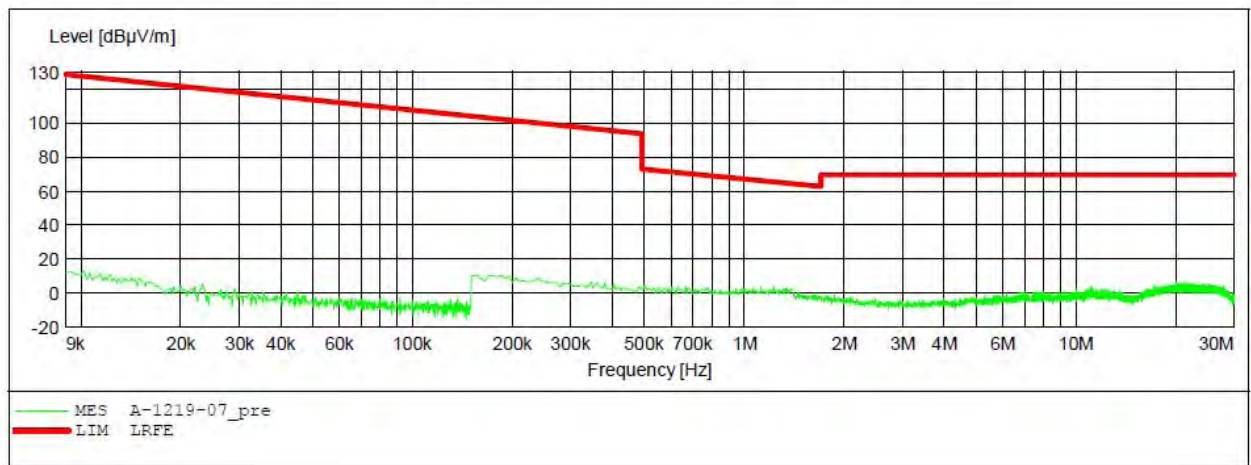
**ACCURATE TECHNOLOGY CO., LTD.**

**FCC Part 15C 3M Radiated**

EUT: Accent Systems M/N:iBKS Plus10  
 Manufacturer: Accent Advanced Systems SLU  
 Operating Condition: TX 2480MHz  
 Test Site: 2# Chamber  
 Operator: WADE  
 Test Specification: DC 3.6V  
 Comment: X  
 Start of Test: 2018-12-19 /

**SCAN TABLE: "LFRE Fin"**

Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



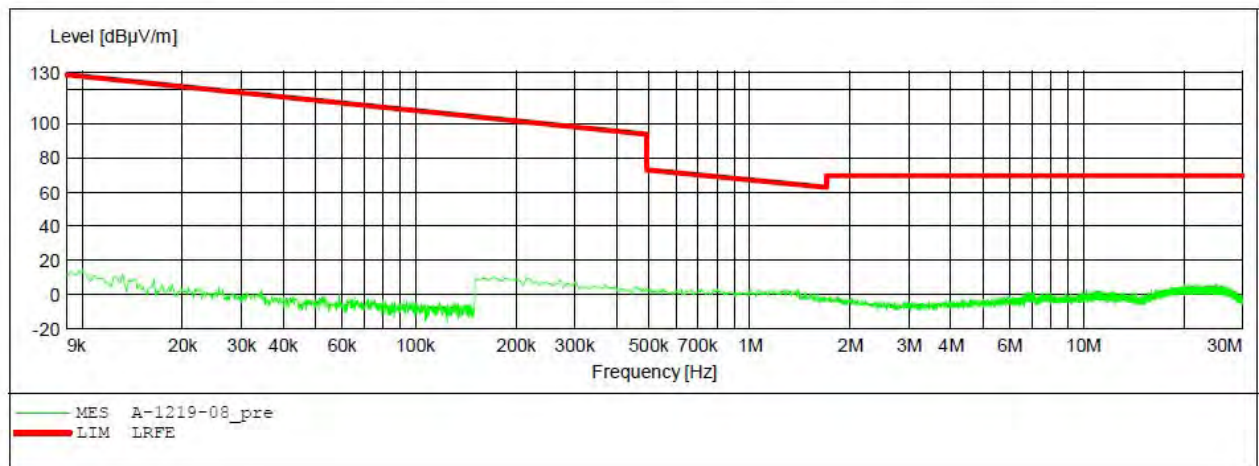
**ACCURATE TECHNOLOGY CO., LTD.**

**FCC Part 15C 3M Radiated**

EUT: Accent Systems M/N:iBKS Plus10  
 Manufacturer: Accent Advanced Systems SLU  
 Operating Condition: TX 2480MHz  
 Test Site: 2# Chamber  
 Operator: WADE  
 Test Specification: DC 3.6V  
 Comment: Y  
 Start of Test: 2018-12-19 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			_SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



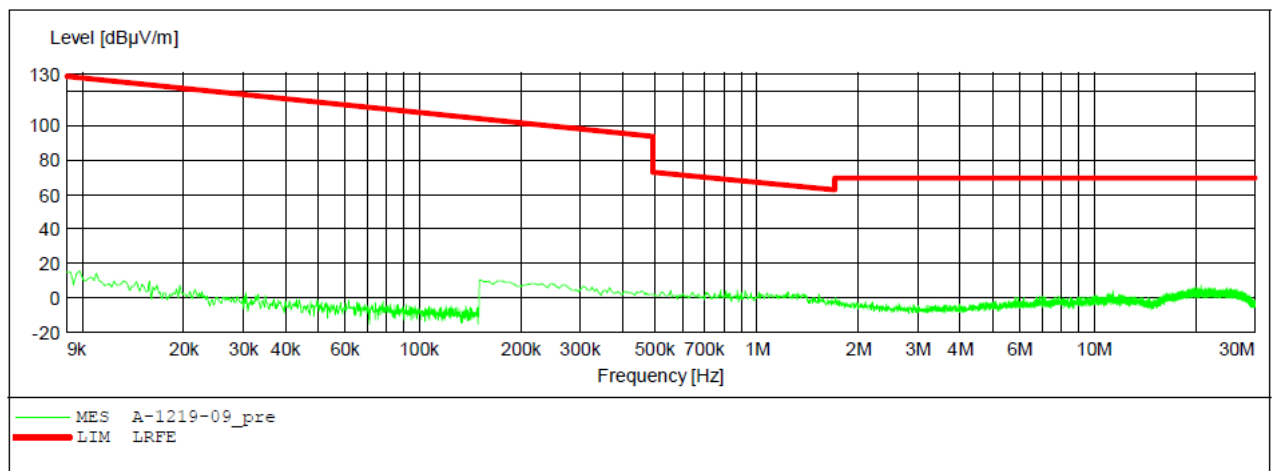
**ACCURATE TECHNOLOGY CO., LTD.**

**FCC Part 15C 3M Radiated**

EUT: Accent Systems M/N:iBKS Plus10  
 Manufacturer: Accent Advanced Systems SLU  
 Operating Condition: TX 2480MHz  
 Test Site: 2# Chamber  
 Operator: WADE  
 Test Specification: DC 3.6V  
 Comment: Z  
 Start of Test: 2018-12-19 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			_SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



## 30MHz-1000MHz test data

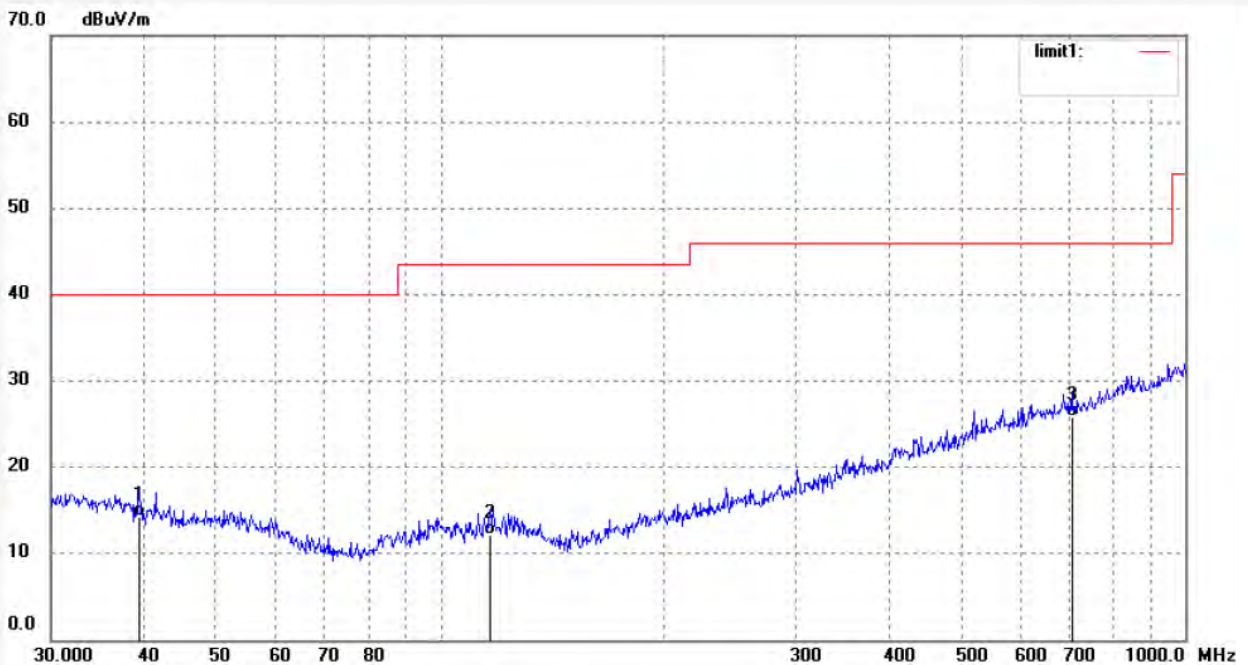

**ACCURATE TECHNOLOGY CO., LTD.**

 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.: TUV2018 #1501	Polarization: Horizontal
Standard: FCC Part 15C 3M Radiated	Power Source: DC 3.6V
Test item: Radiation Test	Date: 18/12/17/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Accent Systems	Engineer Signature: WADE
Mode: TX 2402MHz	Distance: 3m
Model: iBKS Plus10	
Manufacturer: Accent Advanced Systems SLU	

Note:

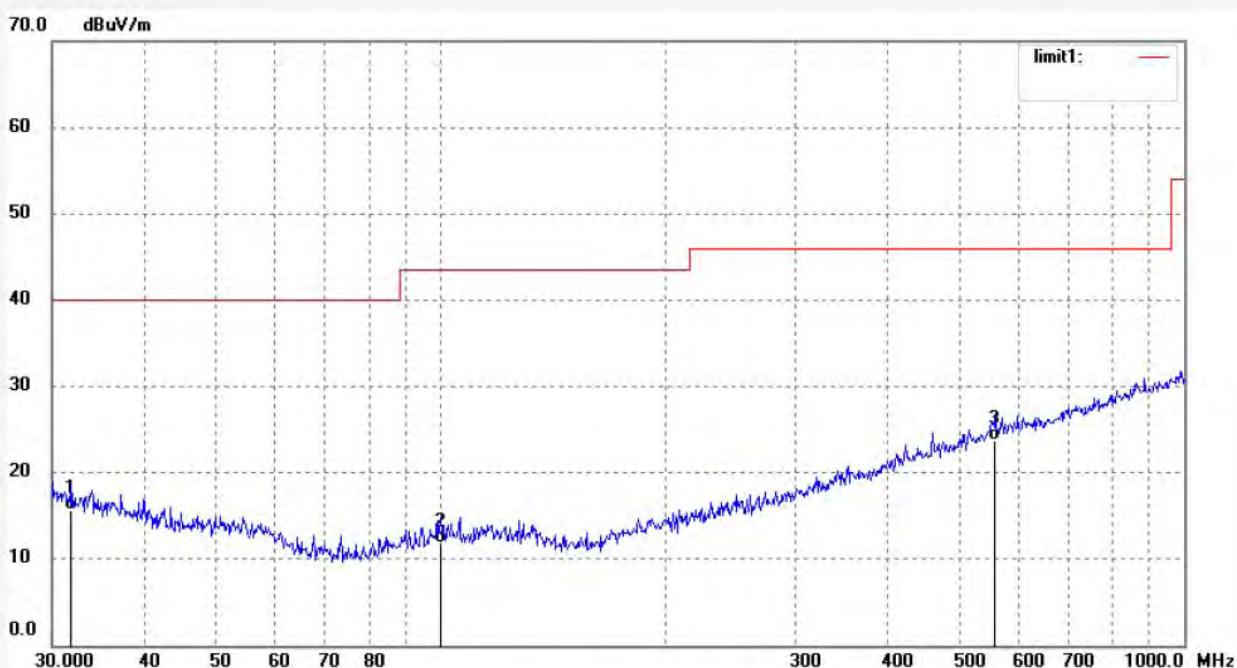


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	39.4371	25.74	-11.41	14.33	40.00	-25.67	QP			
2	116.5400	25.28	-13.06	12.22	43.50	-31.28	QP			
3	704.2260	26.73	-0.96	25.77	46.00	-20.23	QP			



Job No.: TUV2018 #1502	Polarization: Vertical
Standard: FCC Part 15C 3M Radiated	Power Source: DC 3.6V
Test item: Radiation Test	Date: 18/12/17/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Accent Systems	Engineer Signature: WADE
Mode: TX 2402MHz	Distance: 3m
Model: iBKS Plus10	
Manufacturer: Accent Advanced Systems SLU	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	31.8427	25.09	-9.47	15.62	40.00	-24.38	QP			
2	99.8777	24.87	-13.09	11.78	43.50	-31.72	QP			
3	556.7744	26.65	-2.94	23.71	46.00	-22.29	QP			

Job No.: TUV2018 #1504

Polarization: Horizontal

Standard: FCC Part 15C 3M Radiated

Power Source: DC 3.6V

Test item: Radiation Test

Date: 18/12/17/

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

Time:

EUT: Accent Systems

Engineer Signature: WADE

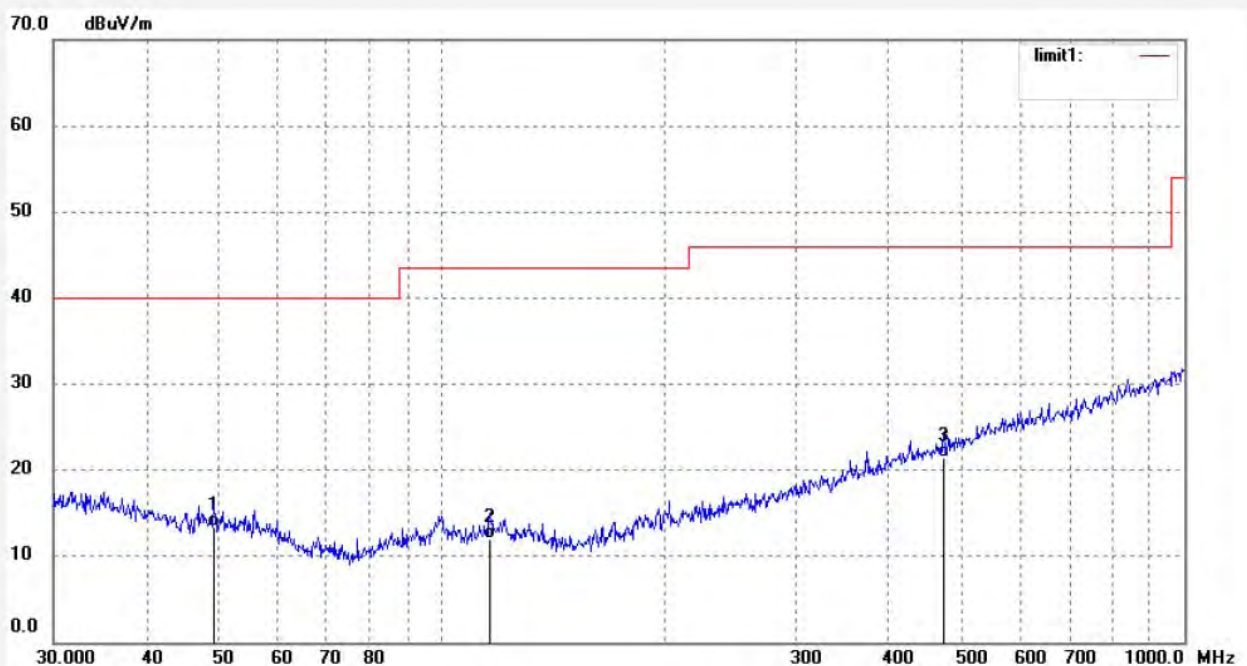
Mode: TX 2440MHz

Distance: 3m

Model: iBKS Plus10

Manufacturer: Accent Advanced Systems SLU

Note:

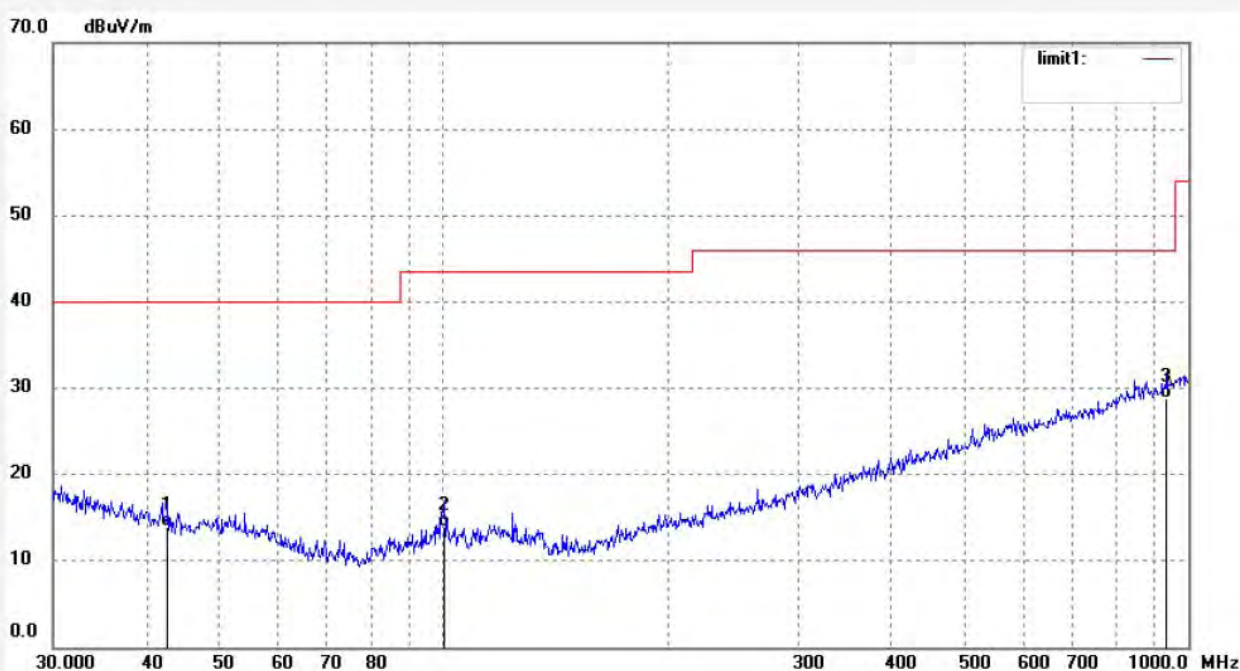


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	49.3594	26.03	-12.58	13.45	40.00	-26.55	QP			
2	116.1320	25.02	-13.06	11.96	43.50	-31.54	QP			
3	473.8346	26.40	-4.97	21.43	46.00	-24.57	QP			



Job No.: TUV2018 #1503	Polarization: Vertical
Standard: FCC Part 15C 3M Radiated	Power Source: DC 3.6V
Test item: Radiation Test	Date: 18/12/17/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Accent Systems	Engineer Signature: WADE
Mode: TX 2440MHz	Distance: 3m
Model: iBKS Plus10	
Manufacturer: Accent Advanced Systems SLU	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	42.7496	26.00	-12.13	13.87	40.00	-26.13	QP			
2	100.5806	27.06	-13.14	13.92	43.50	-29.58	QP			
3	935.5461	26.03	2.79	28.82	46.00	-17.18	QP			

Job No.: TUV2018 #1505

Standard: FCC Part 15C 3M Radiated

Test item: Radiation Test

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

EUT: Accent Systems

Mode: TX 2480MHz

Model: iBKS Plus10

Manufacturer: Accent Advanced Systems SLU

Polarization: Horizontal

Power Source: DC 3.6V

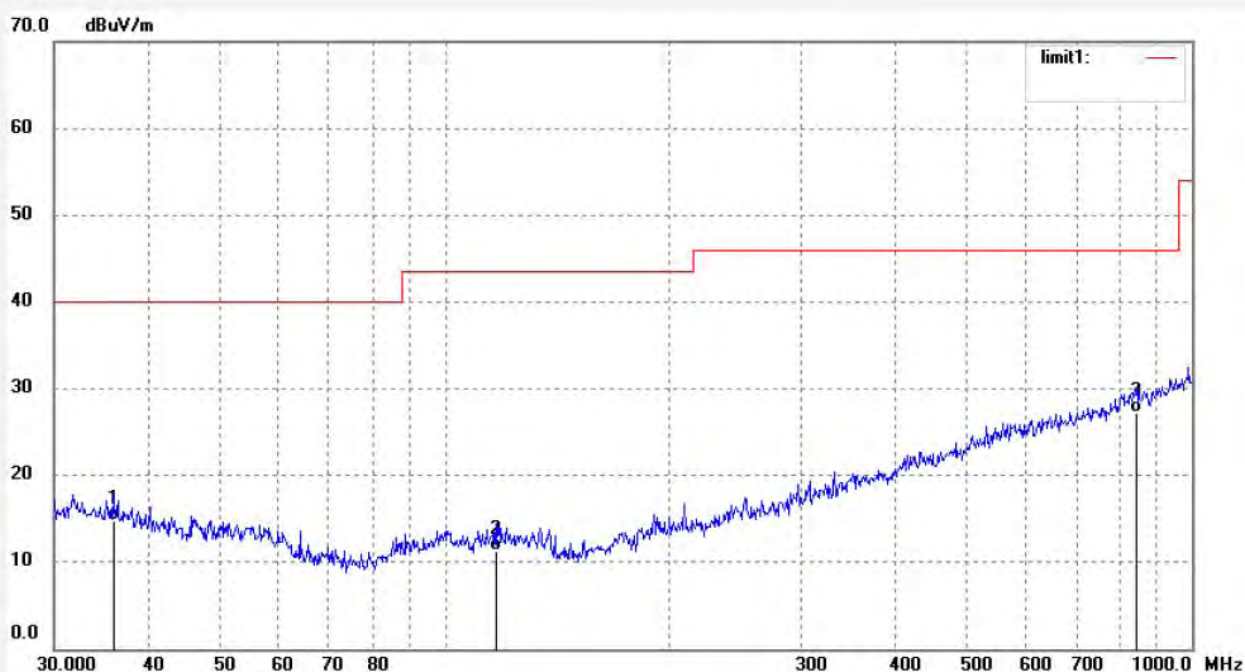
Date: 18/12/17/

Time:

Engineer Signature: WADE

Distance: 3m

Note:



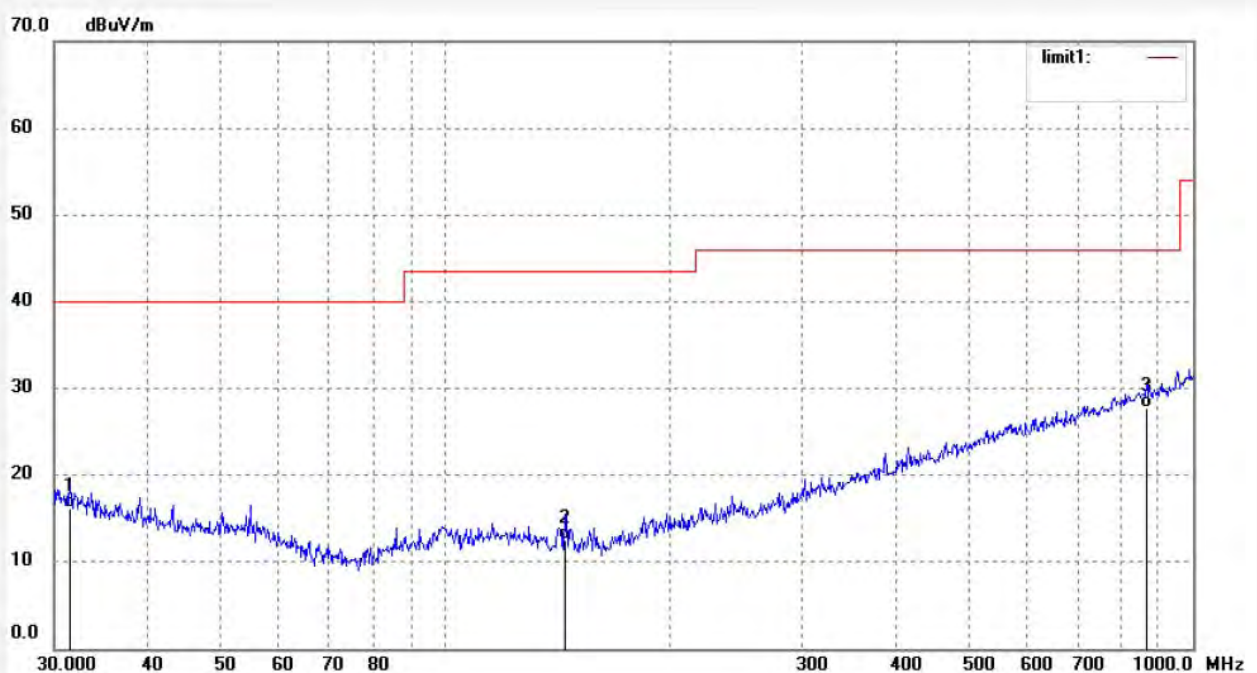
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	36.0007	25.48	-10.64	14.84	40.00	-25.16	QP			
2	116.9495	24.43	-13.06	11.37	43.50	-32.13	QP			
3	842.1295	25.66	1.50	27.16	46.00	-18.84	QP			



Job No.: TUV2018 #1506  
 Standard: FCC Part 15C 3M Radiated  
 Test item: Radiation Test  
 Temp.( C)/Hum.(%) 23 C / 48 %  
 EUT: Accent Systems  
 Mode: TX 2480MHz  
 Model: iBKS Plus10  
 Manufacturer: Accent Advanced Systems SLU

Polarization: Vertical  
 Power Source: DC 3.6V  
 Date: 18/12/17/  
 Time:  
 Engineer Signature: WADE  
 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	31.5093	25.49	-9.38	16.11	40.00	-23.89	QP			
2	144.3348	27.56	-15.11	12.45	43.50	-31.05	QP			
3	866.0878	25.86	1.89	27.75	46.00	-18.25	QP			

## 18GHz-26.5GHz test data


**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 2# Chamber

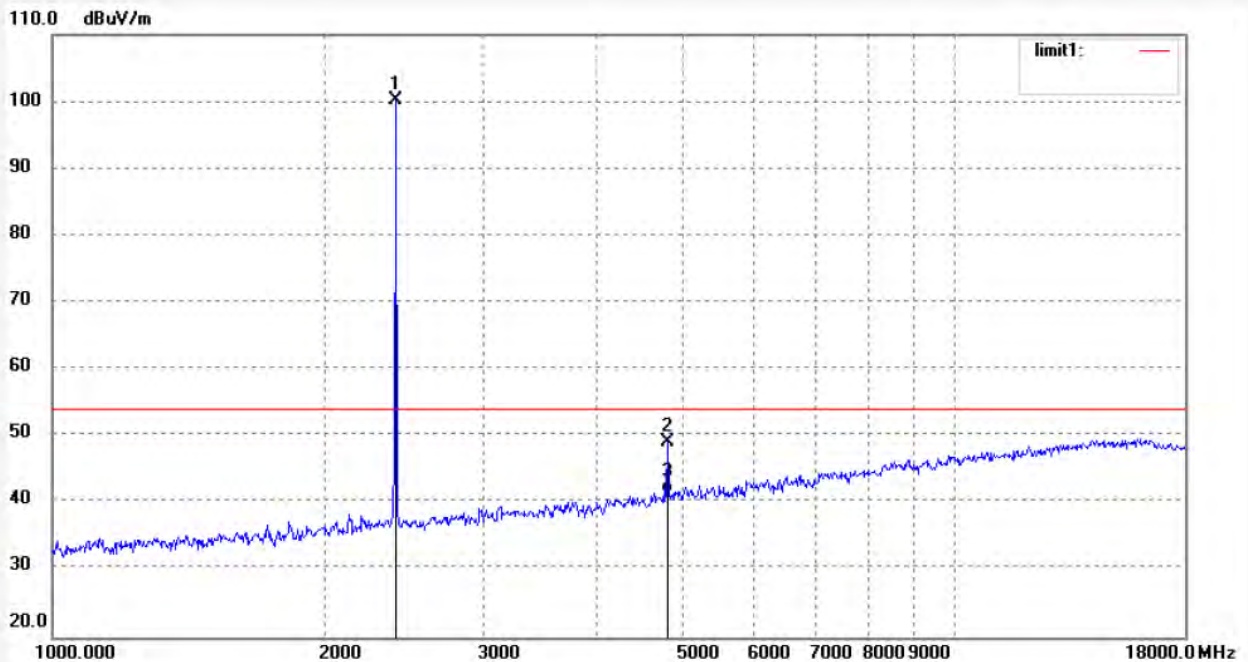
Tel:+86-0755-26503290

Fax:+86-0755-26503396

 Job No.: TUV2018 #1485  
 Standard: FCC Part 15C 3M Radiated  
 Test item: Radiation Test  
 Temp.( C)/Hum.(%) 23 C / 48 %  
 EUT: Accent Systems  
 Mode: TX 2402MHz  
 Model: iBKS Plus10  
 Manufacturer: Accent Advanced Systems SLU

 Polarization: Horizontal  
 Power Source: DC 3.6V  
 Date: 18/12/17/  
 Time:  
 Engineer Signature: WADE  
 Distance: 3m

Note:



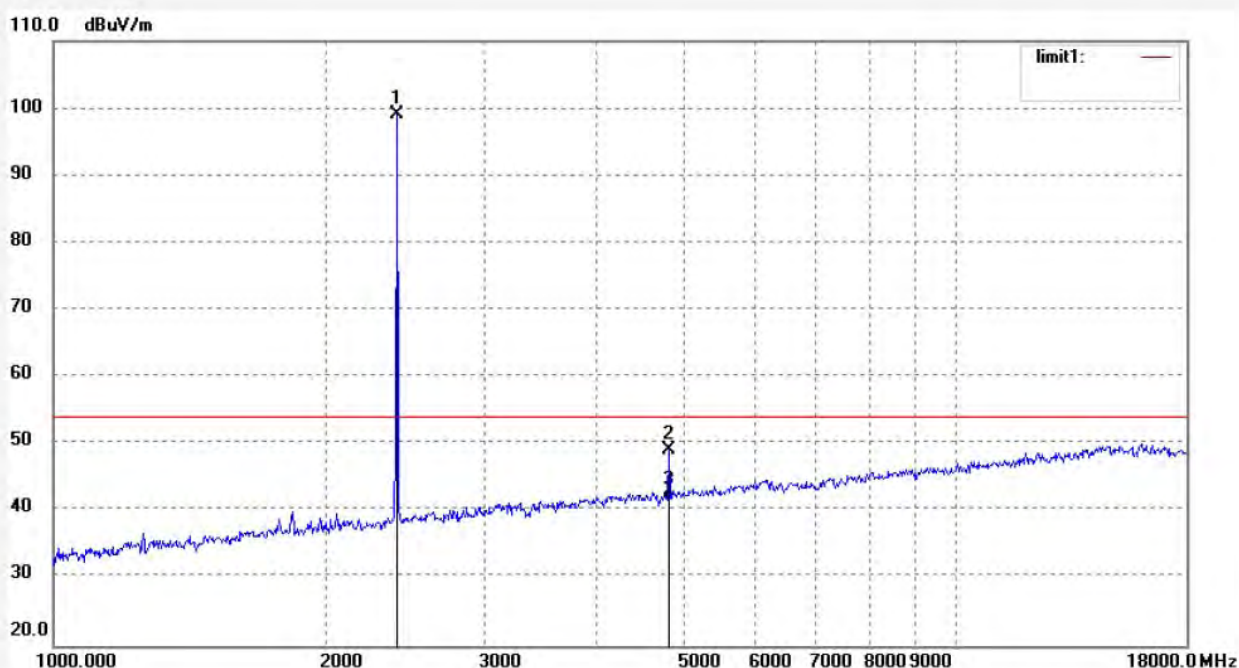
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	99.26	0.89	100.15	/	/	peak			
2	4804.025	41.63	7.40	49.03	74.00	-24.97	peak			
3	4804.025	34.17	7.40	41.57	54.00	-12.43	AVG			



Job No.: TUV2018 #1486  
 Standard: FCC Part 15C 3M Radiated  
 Test item: Radiation Test  
 Temp.( C)/Hum.(%) 23 C / 48 %  
 EUT: Accent Systems  
 Mode: TX 2402MHz  
 Model: iBKS Plus10  
 Manufacturer: Accent Advanced Systems SLU

Polarization: Vertical  
 Power Source: DC 3.6V  
 Date: 18/12/17/  
 Time:  
 Engineer Signature: WADE  
 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	98.16	0.89	99.05	/	/	peak			
2	4804.027	41.69	7.40	49.09	74.00	-24.91	peak			
3	4804.027	33.98	7.40	41.38	54.00	-12.62	AVG			

Job No.: TUV2018 #1489

Standard: FCC Part 15C 3M Radiated

Test item: Radiation Test

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

EUT: Accent Systems

Mode: TX 2440MHz

Model: iBKS Plus10

Manufacturer: Accent Advanced Systems SLU

Polarization: Horizontal

Power Source: DC 3.6V

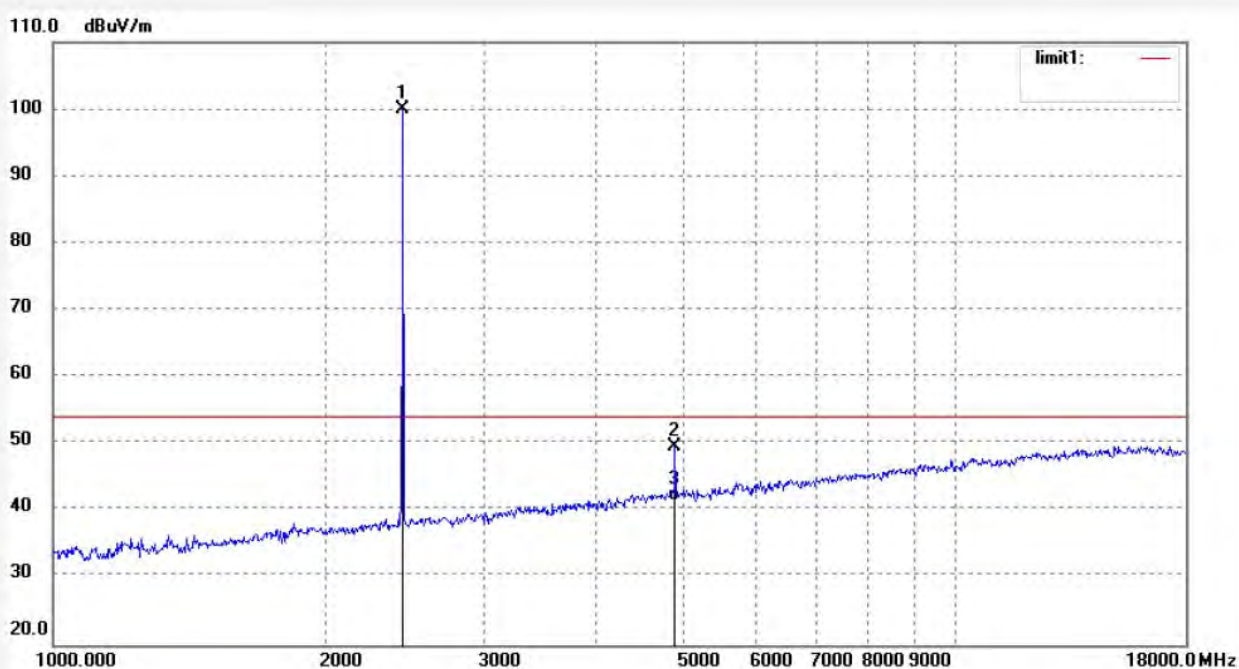
Date: 18/12/17/

Time:

Engineer Signature: WADE

Distance: 3m

Note:

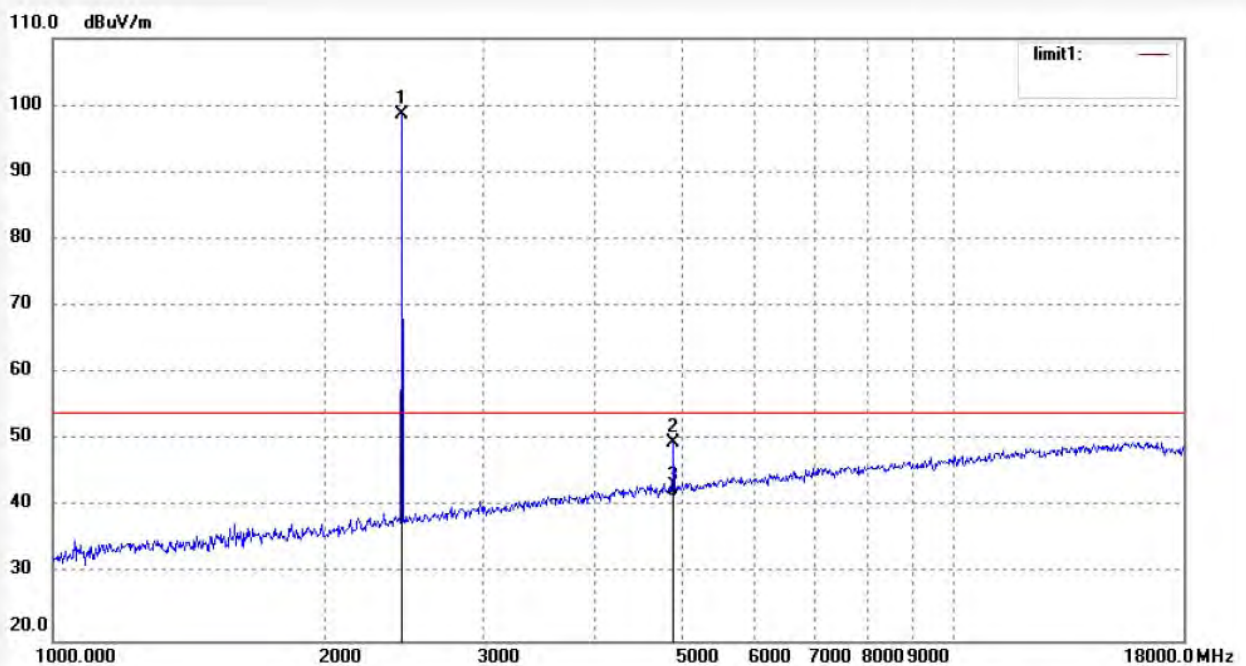


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2440.000	98.98	1.04	100.02	/	/	peak			
2	4880.028	41.43	8.10	49.53	74.00	-24.47	peak			
3	4880.028	33.47	8.10	41.57	54.00	-12.43	AVG			

Job No.: TUV2018 #1490  
Standard: FCC Part 15C 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: Accent Systems  
Mode: TX 2440MHz  
Model: iBKS Plus10  
Manufacturer: Accent Advanced Systems SLU

Polarization: Vertical  
Power Source: DC 3.6V  
Date: 18/12/17/  
Time:  
Engineer Signature: WADE  
Distance: 3m

Note:

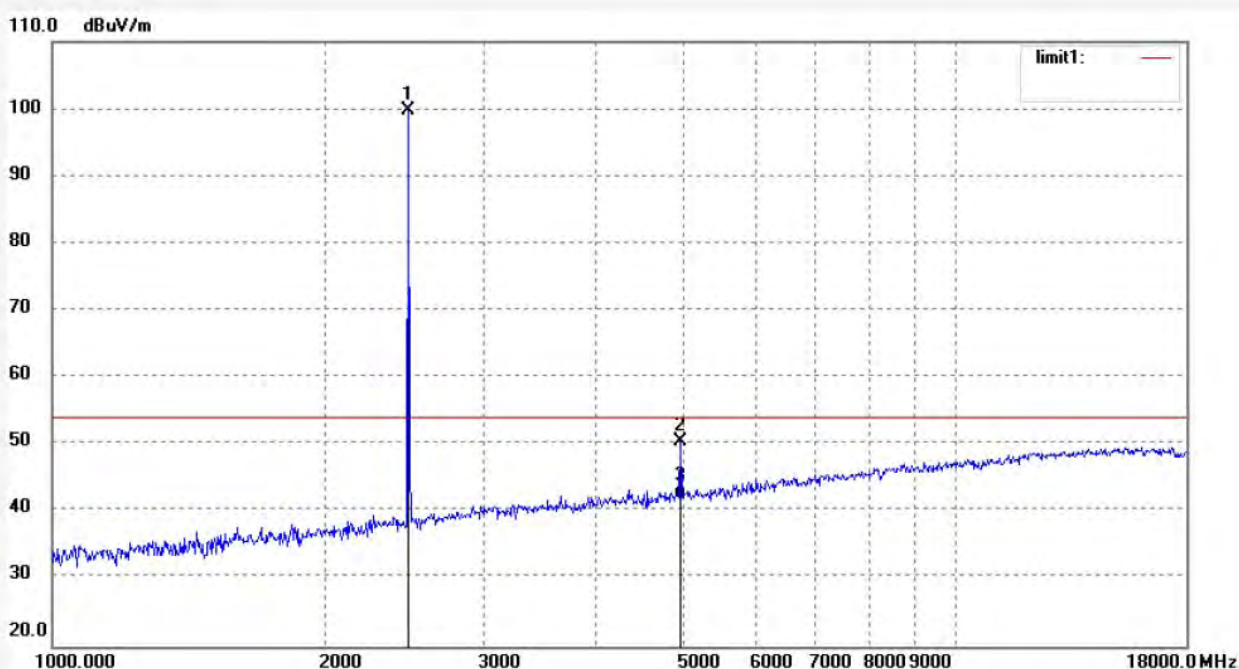


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2440.000	97.64	1.04	98.68	/	/	peak			
2	4880.027	41.46	8.10	49.56	74.00	-24.44	peak			
3	4880.027	33.47	8.10	41.57	54.00	-12.43	AVG			



Job No.: TUV2018 #1492	Polarization: Horizontal
Standard: FCC Part 15C 3M Radiated	Power Source: DC 3.6V
Test item: Radiation Test	Date: 18/12/17/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Accent Systems	Engineer Signature: WADE
Mode: TX 2480MHz	Distance: 3m
Model: iBKS Plus10	
Manufacturer: Accent Advanced Systems SLU	

Note:

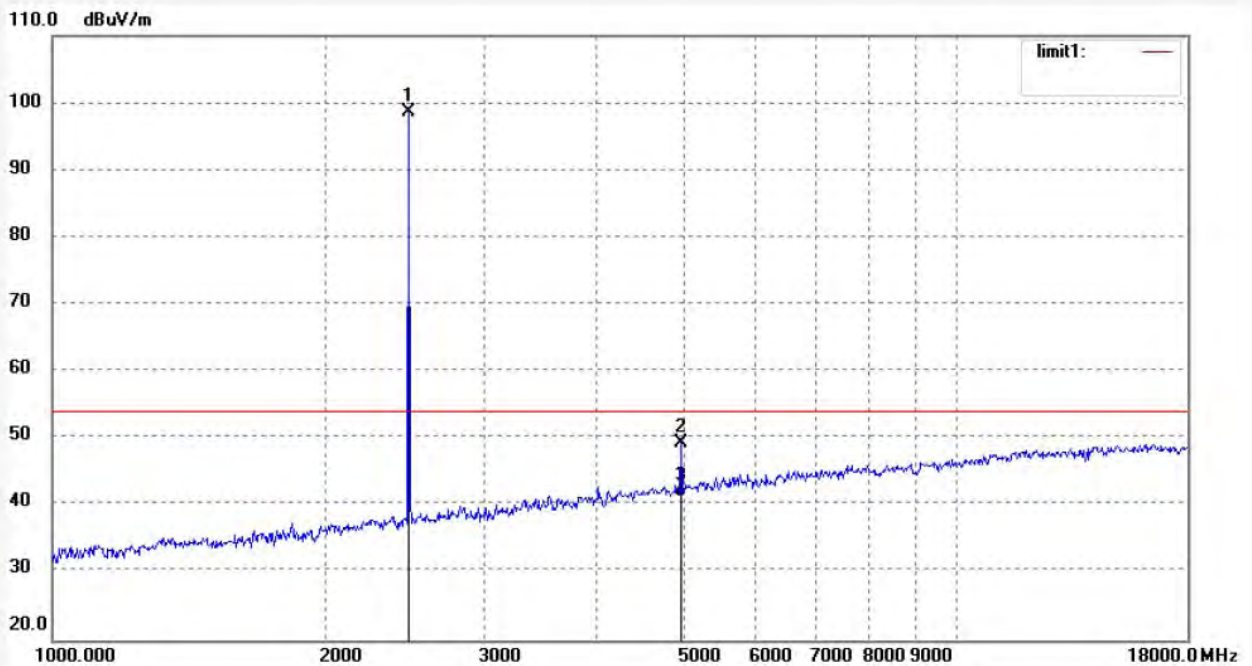


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	98.57	1.10	99.67	/	/	peak			
2	4960.029	41.87	8.60	50.47	74.00	-23.53	peak			
3	4960.029	33.52	8.60	42.12	54.00	-11.88	AVG			

Job No.: TUV2018 #1491  
 Standard: FCC Part 15C 3M Radiated  
 Test item: Radiation Test  
 Temp.( C)/Hum.(%) 23 C / 48 %  
 EUT: Accent Systems  
 Mode: TX 2480MHz  
 Model: iBKS Plus10  
 Manufacturer: Accent Advanced Systems SLU

Polarization: Vertical  
 Power Source: DC 3.6V  
 Date: 18/12/17/  
 Time:  
 Engineer Signature: WADE  
 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	2480.000	97.49	1.10	98.59	/	/	peak			
2	4960.031	40.83	8.60	49.43	74.00	-24.57	peak			
3	4960.031	32.75	8.60	41.35	54.00	-12.65	AVG			

## 18GHz-26.5GHz test data


**ACCURATE TECHNOLOGY CO., LTD.**

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

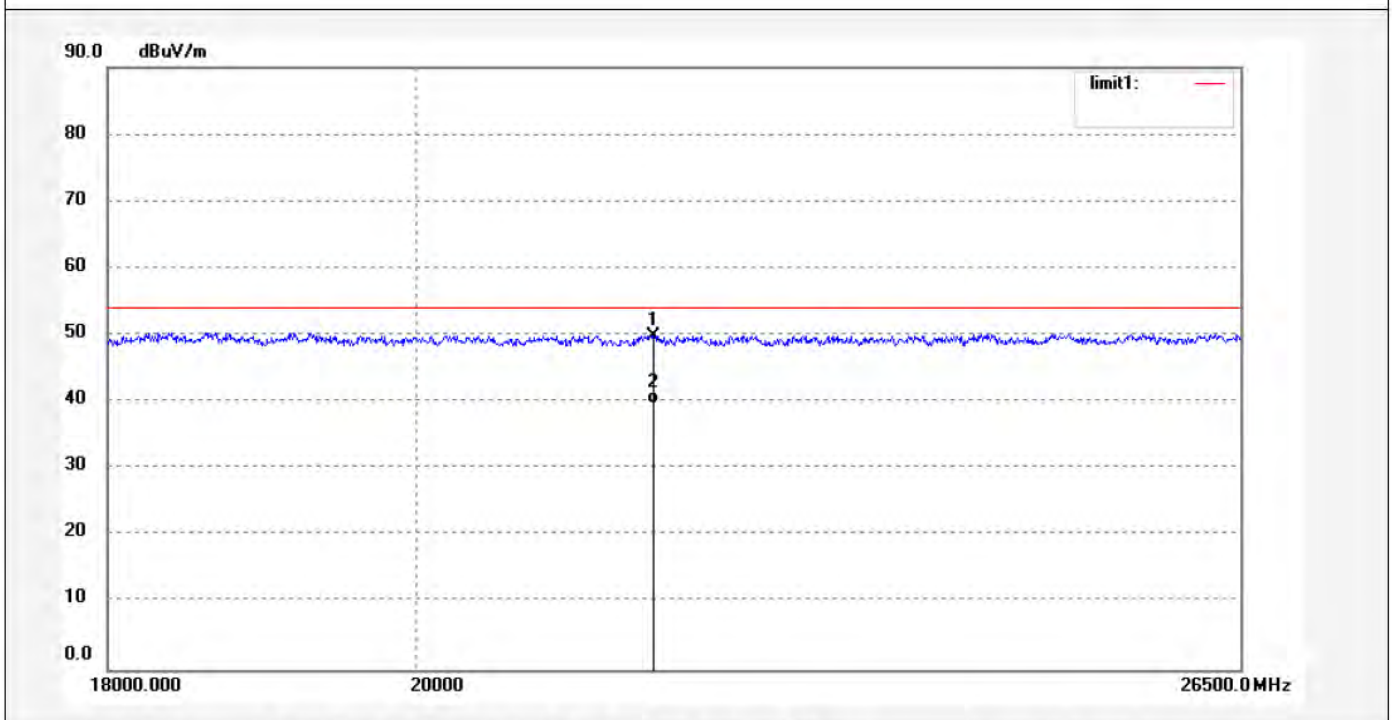
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: TUV2018 #1496	Polarization: Horizontal
Standard: FCC Part 15C 3M Radiated	Power Source: DC 3.6V
Test item: Radiation Test	Date: 18/12/17/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Accent Systems	Engineer Signature: WADE
Mode: TX 2402MHz	Distance: 3m
Model: iBKS Plus10	
Manufacturer: Accent Advanced Systems SLU	

Note:



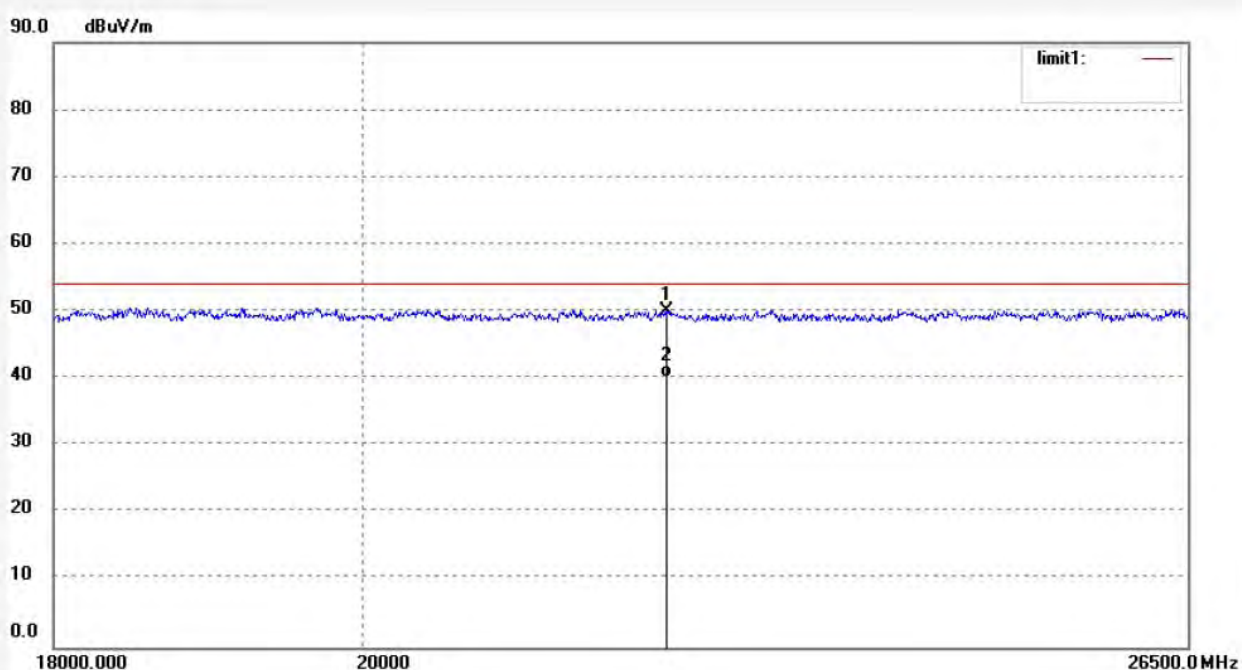
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	21688.807	11.01	38.85	49.86	54.00	-4.14	peak			
2	21688.807	0.80	38.85	39.65	54.00	-14.35	AVG			



Job No.: TUV2018 #1495  
 Standard: FCC Part 15C 3M Radiated  
 Test item: Radiation Test  
 Temp.( C)/Hum.(%) 23 C / 48 %  
 EUT: Accent Systems  
 Mode: TX 2402MHz  
 Model: iBKS Plus10  
 Manufacturer: Accent Advanced Systems SLU

Polarization: Vertical  
 Power Source: DC 3.6V  
 Date: 18/12/17/  
 Time:  
 Engineer Signature: WADE  
 Distance: 3m

Note:

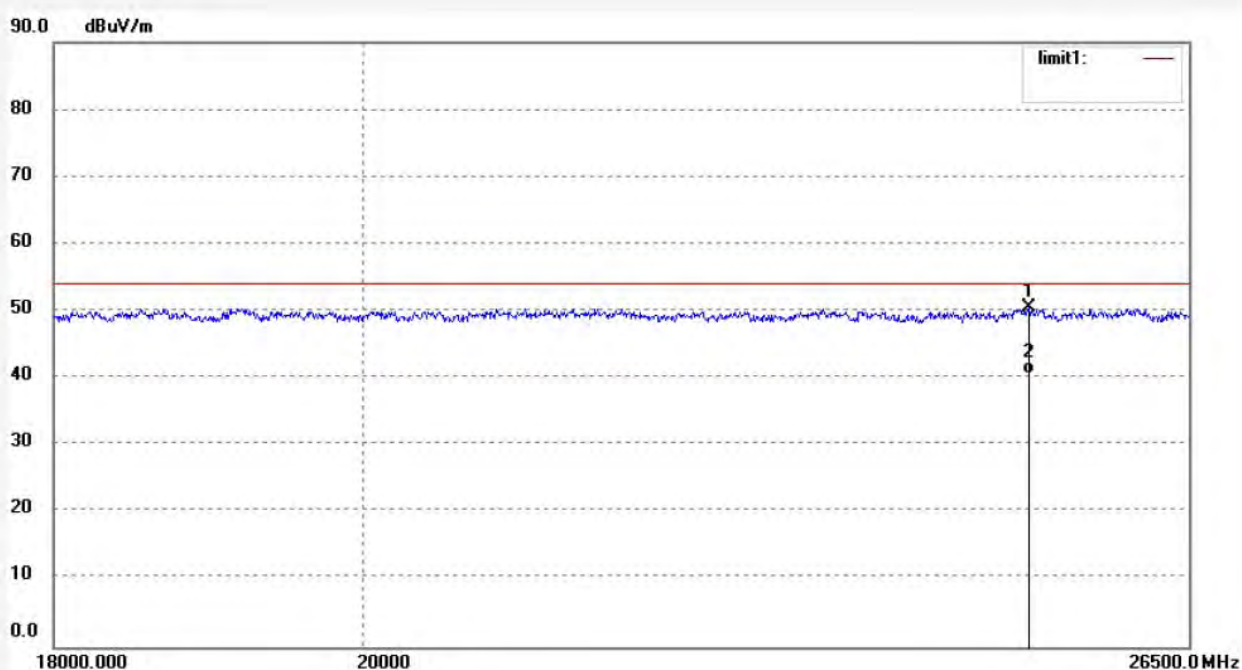


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	22189.428	10.72	39.28	50.00	54.00	-4.00	peak			
2	22189.428	0.93	39.28	40.21	54.00	-13.79	AVG			

Job No.: TUV2018 #1497  
 Standard: FCC Part 15C 3M Radiated  
 Test item: Radiation Test  
 Temp.( C)/Hum.(%) 23 C / 48 %  
 EUT: Accent Systems  
 Mode: TX 2440MHz  
 Model: iBKS Plus10  
 Manufacturer: Accent Advanced Systems SLU

Polarization: Horizontal  
 Power Source: DC 3.6V  
 Date: 18/12/17/  
 Time:  
 Engineer Signature: WADE  
 Distance: 3m

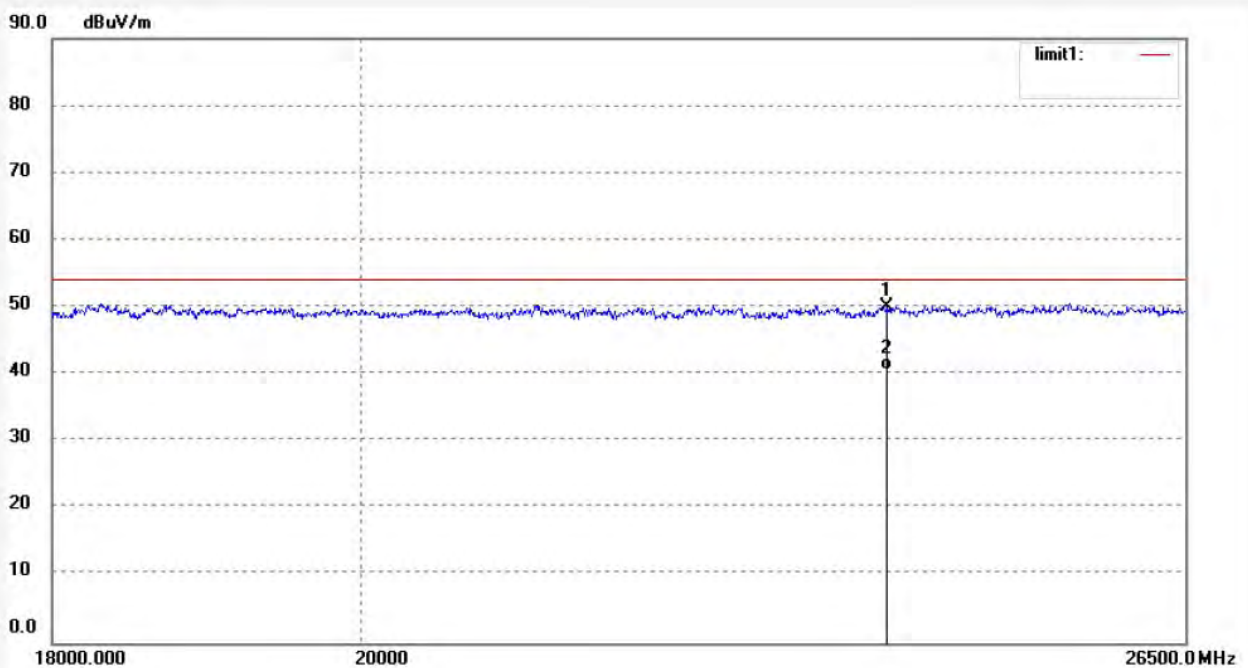
Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25093.522	10.70	39.79	50.49	54.00	-3.51	peak			
2	25093.522	0.72	39.79	40.51	54.00	-13.49	AVG			

Job No.: TUV2018 #1498	Polarization: Vertical
Standard: FCC Part 15C 3M Radiated	Power Source: DC 3.6V
Test item: Radiation Test	Date: 18/12/17/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Accent Systems	Engineer Signature: WADE
Mode: TX 2440MHz	Distance: 3m
Model: iBKS Plus10	
Manufacturer: Accent Advanced Systems SLU	

Note:

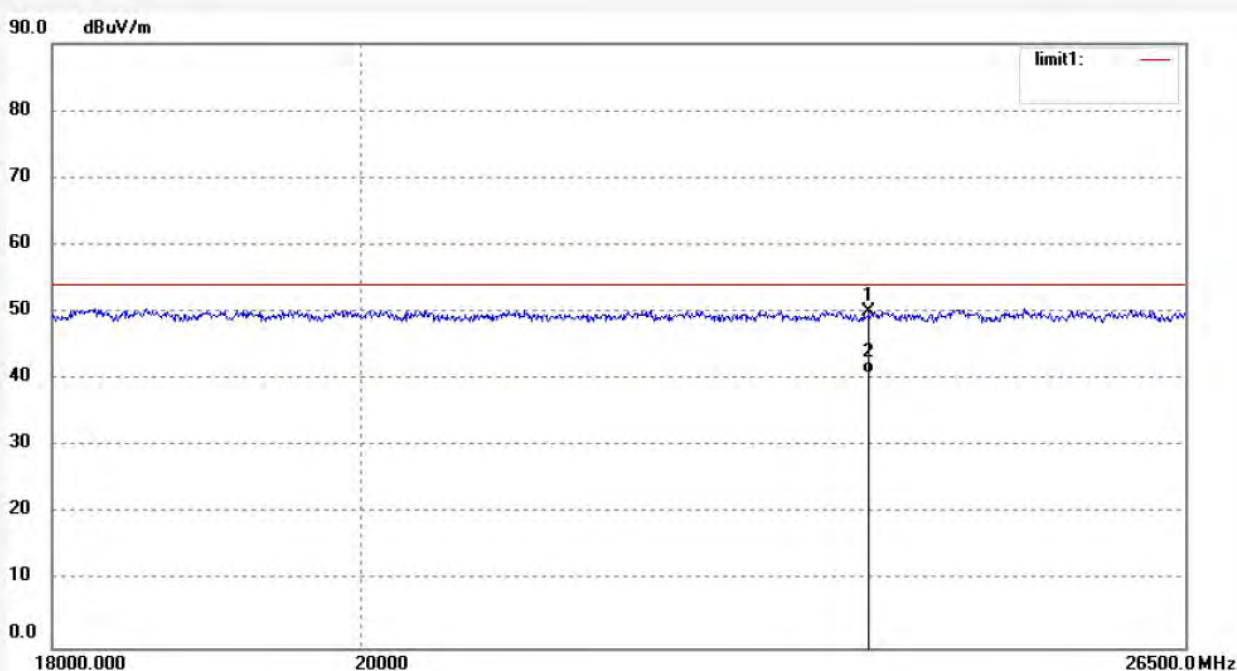


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	23936.954	10.30	39.73	50.03	54.00	-3.97	peak			
2	23936.954	0.79	39.73	40.52	54.00	-13.48	AVG			



Job No.: TUV2018 #1500	Polarization: Horizontal
Standard: FCC Part 15C 3M Radiated	Power Source: DC 3.6V
Test item: Radiation Test	Date: 18/12/17/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Accent Systems	Engineer Signature: WADE
Mode: TX 2480MHz	Distance: 3m
Model: iBKS Plus10	
Manufacturer: Accent Advanced Systems SLU	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	23789.280	9.86	40.27	50.13	54.00	-3.87	peak			
2	23789.280	0.47	40.27	40.74	54.00	-13.26	AVG			

Job No.: TUV2018 #1499

Standard: FCC Part 15C 3M Radiated

Test item: Radiation Test

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

EUT: Accent Systems

Mode: TX 2480MHz

Model: iBKS Plus10

Manufacturer: Accent Advanced Systems SLU

Polarization: Vertical

Power Source: DC 3.6V

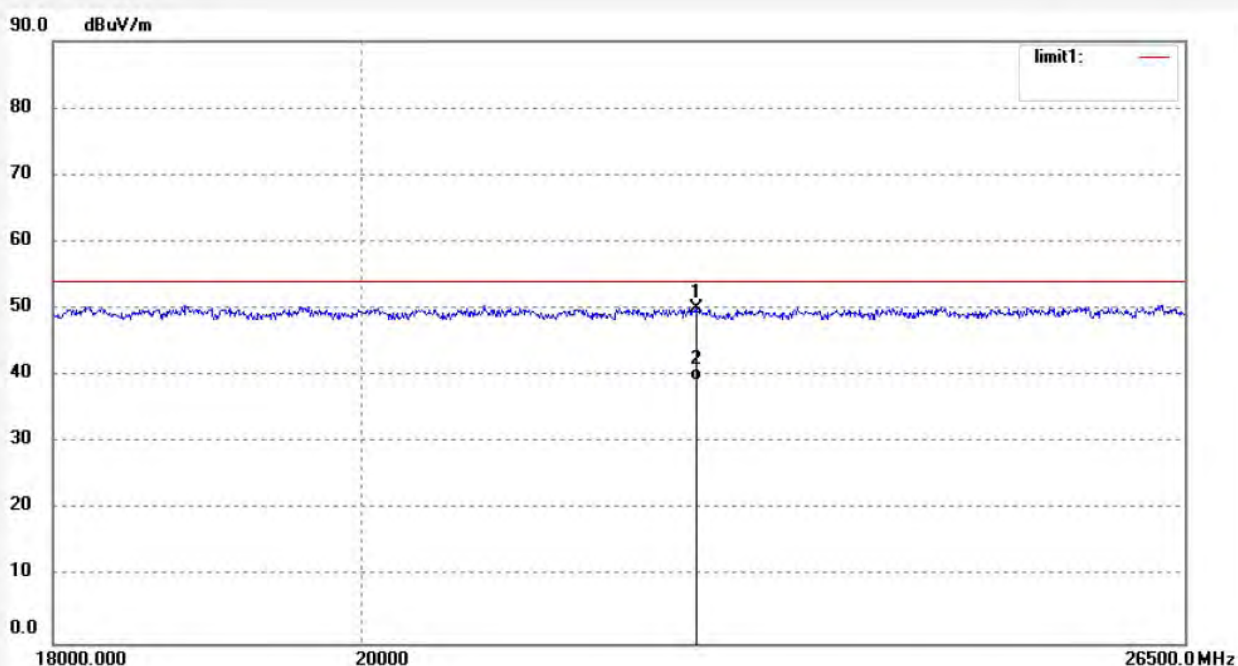
Date: 18/12/17/

Time:

Engineer Signature: WADE

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	22431.037	10.62	39.35	49.97	54.00	-4.03	peak			
2	22431.037	-0.11	39.35	39.24	54.00	-14.76	AVG			

## 11. ANTENNA REQUIREMENT

### 11.1. The Requirement

According to Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

### 11.2. Antenna Construction

Device is equipped with permanent attached antenna, which isn't displaced by other antenna. The Antenna gain of EUT is 1.6dBi. Therefore, the equipment complies with the antenna requirement of Section 15.203.

**\*\*\*\*\* End of Test Report \*\*\*\*\***