APPLICATION CERTIFICATION
On Behalf of
Sense Technology Co., Ltd.

Equipment Position Monitor Label
Model No.: Sense-TP03

FCC ID: 2AHIJ-SENSE-TP03B

Prepared for	:	Sense Technology Co., Ltd.
Address	:	9/F, Jianghao Business Center, Jianghao Industrial Park, No.430 Jihua Road, Bantian, Longgang District, Shenzhen, Guangdong, China. 518129
Prepared by	:	ACCURATE TECHNOLOGY CO., LTD
Address	:	F1, Bldg. A, Changyuan New Material Port, Keyuan Rd. Science & Industry Park, Nanshan, Shenzhen, Guangdong P.R. China Tel: (0755) 26503290 Fax: (0755) 26503396

Report Number	:	ATE20160854
Date of Test	:	May 09, 2016--May 16, 2016
Date of Report	:	May 17, 2016

TABLE OF CONTENTS

Description Page

Test Report Certification
1. GENERAL INFORMATION 4
1.1. Description of Device (EUT) 4
1.2. Special Accessory and Auxiliary Equipment 4
1.3. Description of Test Facility 5
1.4. Measurement Uncertainty 5
2. MEASURING DEVICE AND TEST EQUIPMENT 6
3. OPERATION OF EUT DURING TESTING 7
3.1. Operating Mode 7
3.2. Configuration and peripherals 7
4. TEST PROCEDURES AND RESULTS 8
5. 20DB BANDWIDTH MEASUREMENT 9
5.1. Block Diagram of Test Setup 9
5.2. The Requirement For Section 15.215(c) 9
5.3. Operating Condition of EUT 9
5.4. Test Procedure 9
5.5. Test Result 10
6. BAND EDGE COMPLIANCE TEST 11
6.1. Block Diagram of Test Setup 11
6.2. The Requirement For Section 15.249 11
6.3. EUT Configuration on Measurement 11
6.4. Operating Condition of EUT 11
6.5. Test Procedure 11
6.6. Test Result 12
7. RADIATED SPURIOUS EMISSION TEST 17
7.1. Block Diagram of Test Setup 17
7.2. The Limit For Section 15.249 18
7.3. Restricted bands of operation 19
7.4. Configuration of EUT on Measurement 19
7.5. Operating Condition of EUT 19
7.6. Test Procedure 20
7.7. The Field Strength of Radiation Emission Measurement Results 21
8. ANTENNA REQUIREMENT 26
8.1. The Requirement 26
8.2. Antenna Construction 26

Test Report Certification

Applicant	:	Sense Technology Co., Ltd.
Manufacturer	:	Sense Technology Co., Ltd.
EUT Description	:	Equipment Position Monitor Label
		(A) Model No.: Sense-TP03
		(B) Trade Mark: Sense
		(C) Power Supply: DC 3V

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.249: 2015
ANSI C63.10: 2013

The EUT was tested according to FCC 47CFR 15.249 for compliance to FCC 47CFR 15.249 requirements

The device described above is tested by 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 15.249 limits. The measurement results are contained in this test report and 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 ACCURATE TECHNOLOGY CO. LTD.

Date of Test :	May 09--May 16, 2016
Date of Report:	May 17, 2016

Prepared by : Tim Zhang

(Tim.zhang, Engineer)

Approved & Authorized Signer :

(Sean Liu, Manager)

1. GENERAL INFORMATION

1.1.Description of Device (EUT)

EUT	:	Equipment Position Monitor Label
Model Number	:	Sense-TP03
Trade Mark	:	Sense
Power Supply	:	DC 3V
Modulation:	:	GFSK
Frequency Range	:	2425MHz
Number of Channels	:	1
Type of Antenna	:	PCB Antenna
Max antenna gain	:	0dBi
Applicant	:	Sense Technology Co., Ltd.
Address	:	9/F, Jianghao Business Center, Jianghao Industrial Park, No.430 Jihua Road, Bantian, Longgang District, Shenzhen, Guangdong, China. 518129
Manufacturer	:	Sense Technology Co., Ltd.
Address	:	9/F, Jianghao Business Center, Jianghao Industrial Park, No.430 Jihua Road, Bantian, Longgang District, Shenzhen, Guangdong, China. 518129
Date of sample received	:	May 09, 2016
Date of Test	:	May 09--May 16, 2016

1.2.Special Accessory and Auxiliary Equipment

N/A

1.3.Description of Test Facility

EMC Lab	:	Accredited by TUV Rheinland Shenzhen Listed by FCC The Registration Number is 752051 Listed by Industry Canada The Registration Number is 5077A-2 Accredited by China National Accreditation Committee for Laboratories The Certificate Registration Number is L3193
Name of Firm	:	ACCURATE TECHNOLOGY CO. LTD
Site Location	:	F1, Bldg. A, Changyuan New Material Port, Keyuan Rd. Science & Industry Park, Nanshan, Shenzhen, Guangdong P.R. China

1.4.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	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 9, 2016	Jan. 8, 2017
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 9, 2016	Jan. 8, 2017
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 9, 2016	Jan. 8, 2017
Pre-Amplifier	Rohde&Schwarz	CBLU1183540-01	3791	Jan. 9, 2016	Jan. 8, 2017
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 14, 2016	Jan. 13, 2017
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 14, 2016	Jan. 13, 2017
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 14, 2016	Jan. 13, 2017
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 14, 2016	Jan. 13, 2017
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 9, 2016	Jan. 8, 2017
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 9, 2016	Jan. 8, 2017

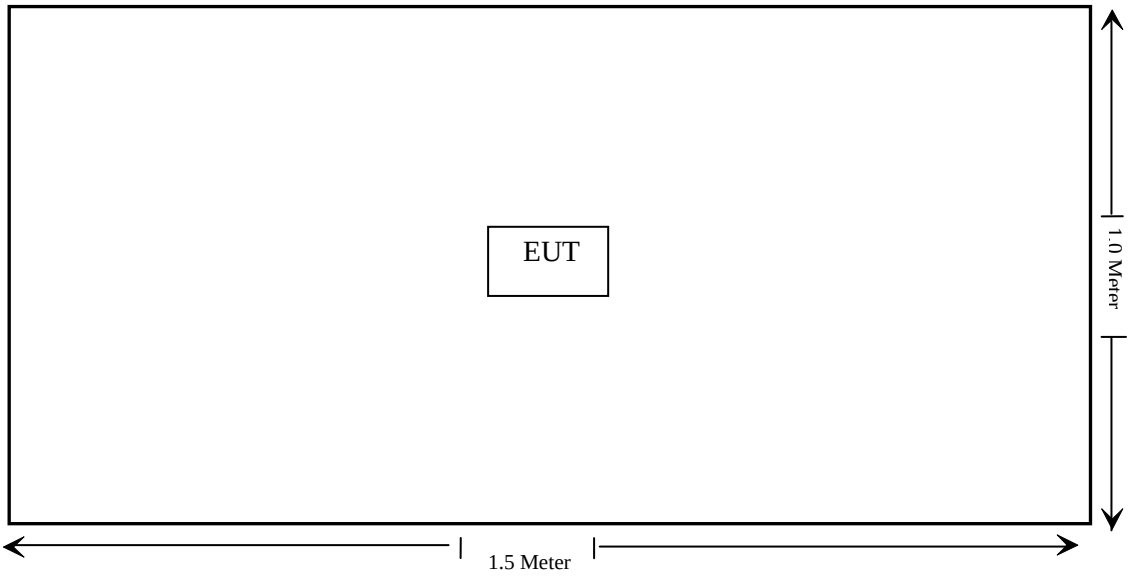
3. OPERATION OF EUT DURING TESTING

3.1.Operating Mode

The mode is used: **Transmitting mode: 2425MHz**

3.2.Configuration and peripherals

Block Diagram of Test Setup



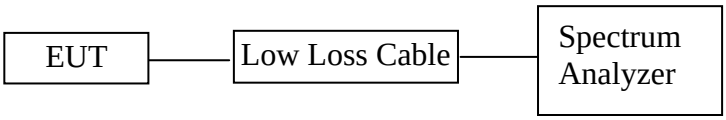
4. TEST PROCEDURES AND RESULTS

FCC Rules	Description of Test	Result
Section 15.215(c)	20dB Bandwidth	Compliant
Section 15.249(d)	Band Edge Compliance Test	Compliant
Section 15.205(a), Section 15.209(a), Section 15.249, Section 15.35	Radiated Spurious Emission Test	Compliant
Section 15.207	AC Power Line Conducted Emission Test	N/A
Section 15.203	Antenna Requirement	Compliant

Note: The power supply mode of the EUT is DC 3V, According to the FCC standard requirements, conducted emission is not applicable.

5. 20DB BANDWIDTH MEASUREMENT

5.1.Block Diagram of Test Setup



5.2.The Requirement For Section 15.215(c)

The bandwidth of a frequency hopping channel is the 20 dB emission bandwidth, measured with the hopping stopped. The system RF bandwidth is equal to the channel bandwidth multiplied by the number of channels in the hopset. The hopset shall be such that the near-term distribution of frequencies appears random, with sequential hops randomly distributed in both direction and magnitude of change in the hopset while the long-term distribution appears evenly distributed.

5.3.Operating Condition of EUT

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

5.3.2.Turn on the power of all equipment.

5.3.3.Let the EUT work in TX modes measure it. The transmit frequency is 2425MHz.

5.4.Test Procedure

5.4.1.Place the EUT on the table and set it in transmitting mode.

5.4.2.Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

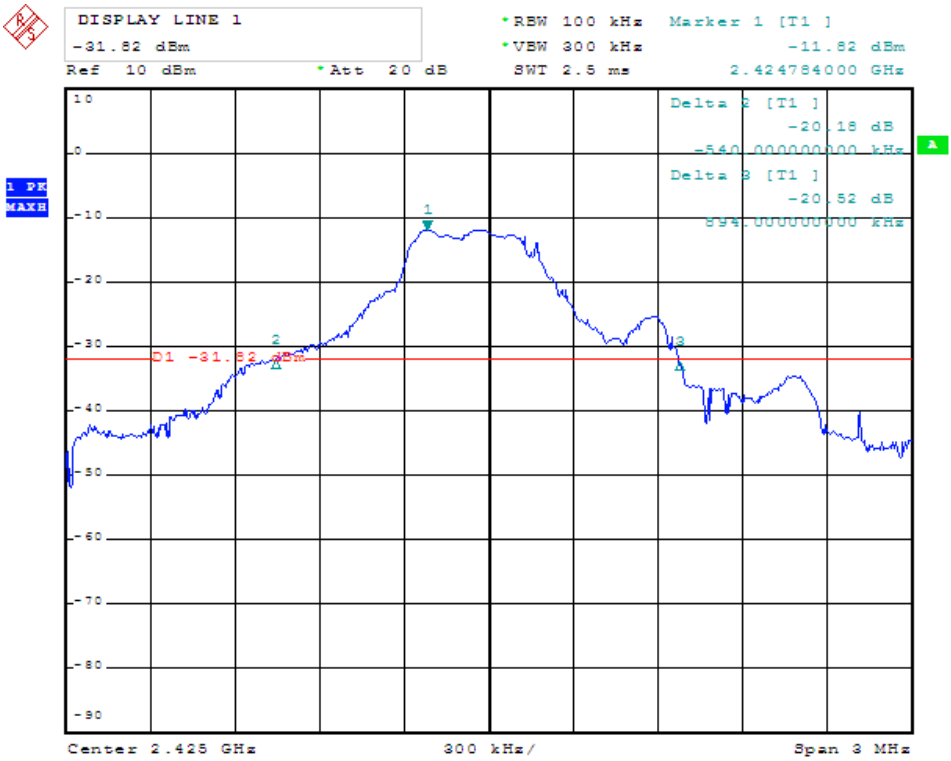
5.4.3.Set RBW of spectrum analyzer to 100 kHz and VBW to300 kHz, Detector function=peak, Trace=max hold, Sweep=auto.

5.4.4.Set the measured low, middle and high frequency and test 20dB bandwidth with spectrum analyzer.

5.5.Test Result

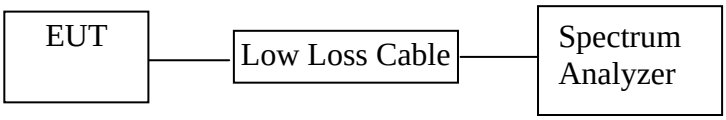
Frequency (MHz)	20 dB Bandwidth (MHz)
2425	1.434

The spectrum analyzer plots are attached as below.



6. BAND EDGE COMPLIANCE TEST

6.1.Block Diagram of Test Setup



6.2.The Requirement For Section 15.249

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 A8.4(4), the attenuation required 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).

6.3.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.

6.4.Operating Condition of EUT

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

6.4.2.Turn on the power of all equipment.

6.4.3.Let the EUT work in TX modes measure it. The transmit frequency is 2425MHz MHz.

6.5.Test Procedure

Conducted Band Edge:

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

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

Radiated Band Edge:
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:
Result = Reading + Corrected Factor
3. Display the measurement of peak values.

Test Procedure:

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. The EUT was tested in 3 orthogonal planes.

Let the EUT work in TX modes then measure it.

During the radiated emission test, the spectrum analyzer was set with the following configurations:
1.The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for peak measurement with peak detector at frequency above 1GHz.
2.The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average measurement with peak detection at frequency above 1GHz.
3.All modes of operation were investigated and the worst-case emissions are reported.

6.6.Test Result

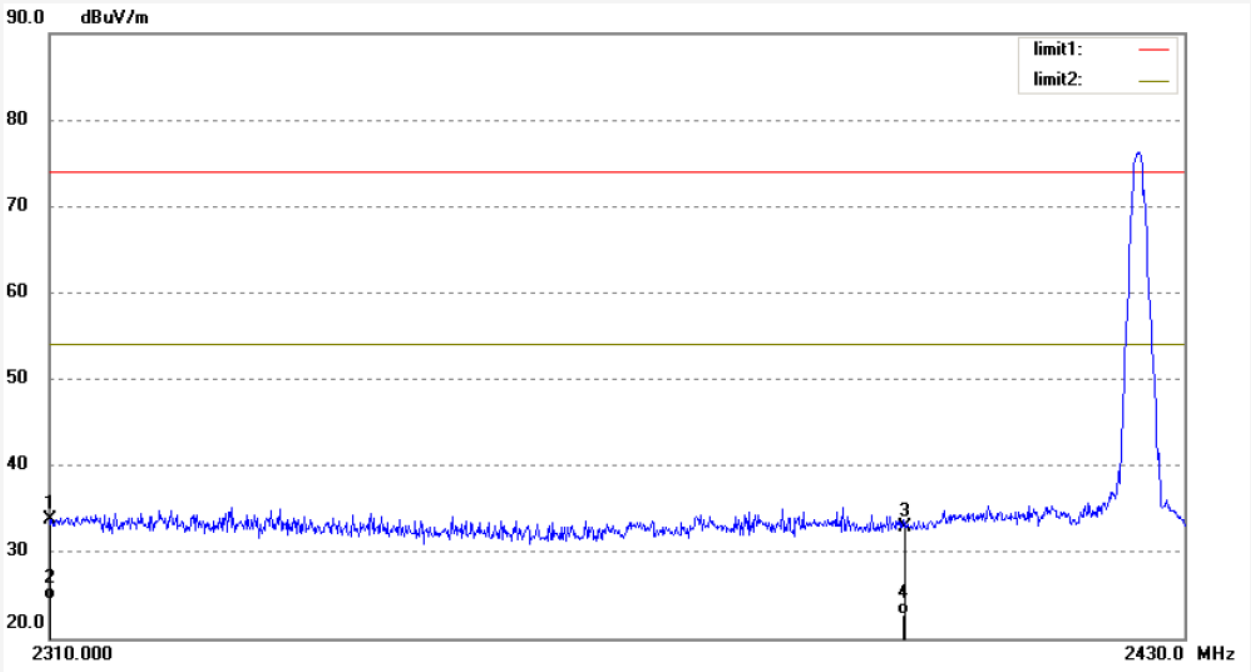
Pass

Radiated Band Edge Result

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.: Ricky 2016 #497	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 3V
Test item: Radiation Test	Date: 16/05/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10:35:15
EUT: Equipment Position Monitor Label	Engineer Signature:
Mode: TX 2425MHz	Distance: 3m
Model: Sense-TC03	
Manufacturer: Sense	

Note: Report NO.:ATE20160854

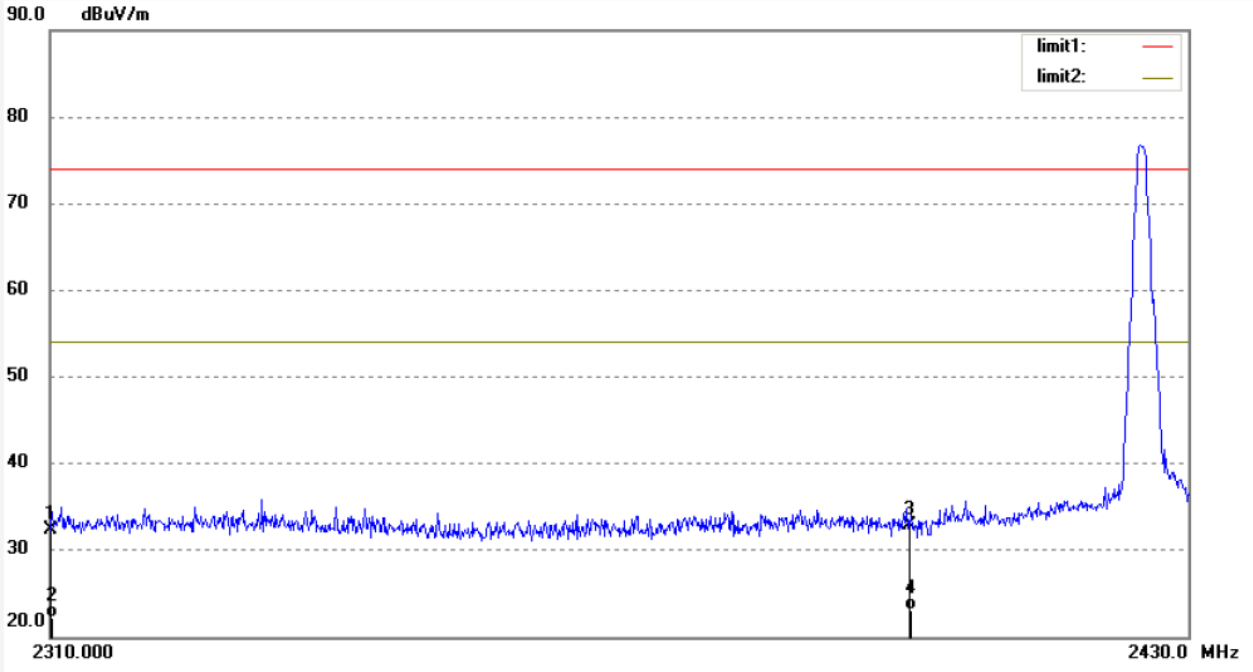


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	41.52	-7.81	33.71	74.00	-40.29	peak			
2	2310.000	32.19	-7.81	24.38	54.00	-29.62	AVG			
3	2400.000	40.43	-7.50	32.93	74.00	-41.07	peak			
4	2400.000	30.22	-7.50	22.72	54.00	-31.28	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.: Ricky 2016 #498	Polarization: Vertical
Standard: FCC PK	Power Source: DC 3V
Test item: Radiation Test	Date: 16/05/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10:38:46
EUT: Equipment Position Monitor Label	Engineer Signature:
Mode: TX 2425MHz	Distance: 3m
Model: Sense-TC03	
Manufacturer: Sense	

Note: Report NO.:ATE20160854

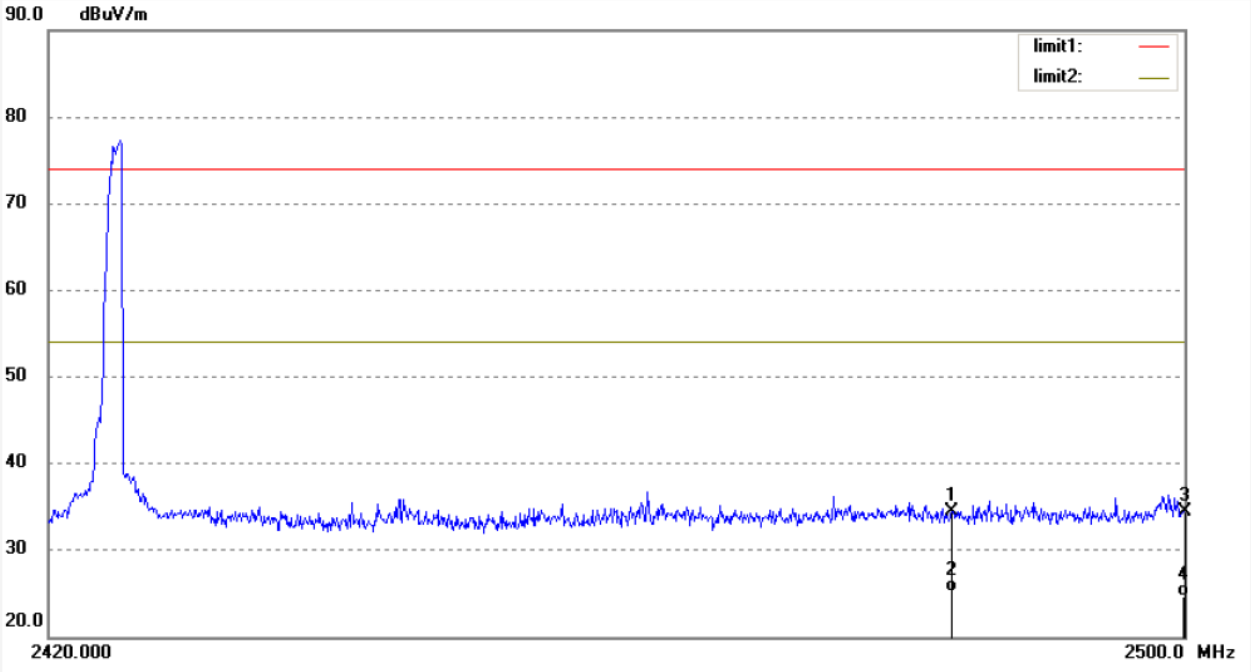


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	40.19	-7.81	32.38	74.00	-41.62	peak			
2	2310.000	30.00	-7.81	22.19	54.00	-31.81	AVG			
3	2400.000	40.41	-7.50	32.91	74.00	-41.09	peak			
4	2400.000	30.51	-7.50	23.01	54.00	-30.99	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.: Ricky 2016 #496	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 3V
Test item: Radiation Test	Date: 16/05/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10:33:41
EUT: Equipment Position Monitor Label	Engineer Signature:
Mode: TX 2425MHz	Distance: 3m
Model: Sense-TC03	
Manufacturer: Sense	

Note: Report NO.:ATE20160854

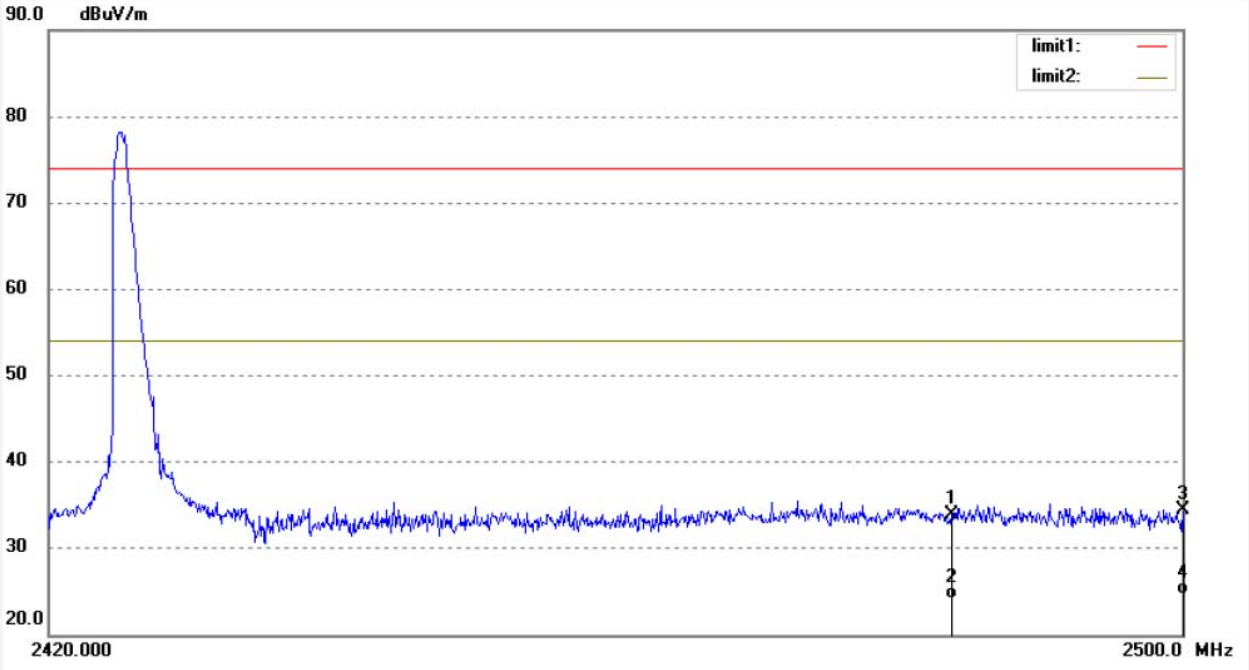


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	41.79	-7.38	34.41	74.00	-39.59	peak			
2	2483.500	32.56	-7.38	25.18	54.00	-28.82	AVG			
3	2500.000	41.80	-7.40	34.40	74.00	-39.60	peak			
4	2500.000	32.10	-7.40	24.70	54.00	-29.30	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.: Ricky 2016 #495	Polarization: Vertical
Standard: FCC PK	Power Source: DC 3V
Test item: Radiation Test	Date: 16/05/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10:31:25
EUT: Equipment Position Monitor Label	Engineer Signature:
Mode: TX 2425MHz	Distance: 3m
Model: Sense-TC03	
Manufacturer: Sense	

Note: Report NO.:ATE20160854

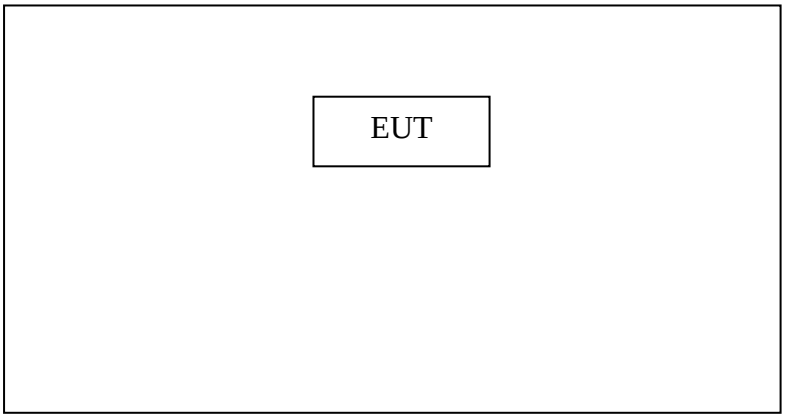


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	41.21	-7.38	33.83	74.00	-40.17	peak			
2	2483.500	31.55	-7.38	24.17	54.00	-29.83	AVG			
3	2500.000	41.90	-7.40	34.50	74.00	-39.50	peak			
4	2500.000	32.04	-7.40	24.64	54.00	-29.36	AVG			

7. RADIATED SPURIOUS EMISSION TEST

7.1.Block Diagram of Test Setup

7.1.1.Block diagram of connection between the EUT and peripherals

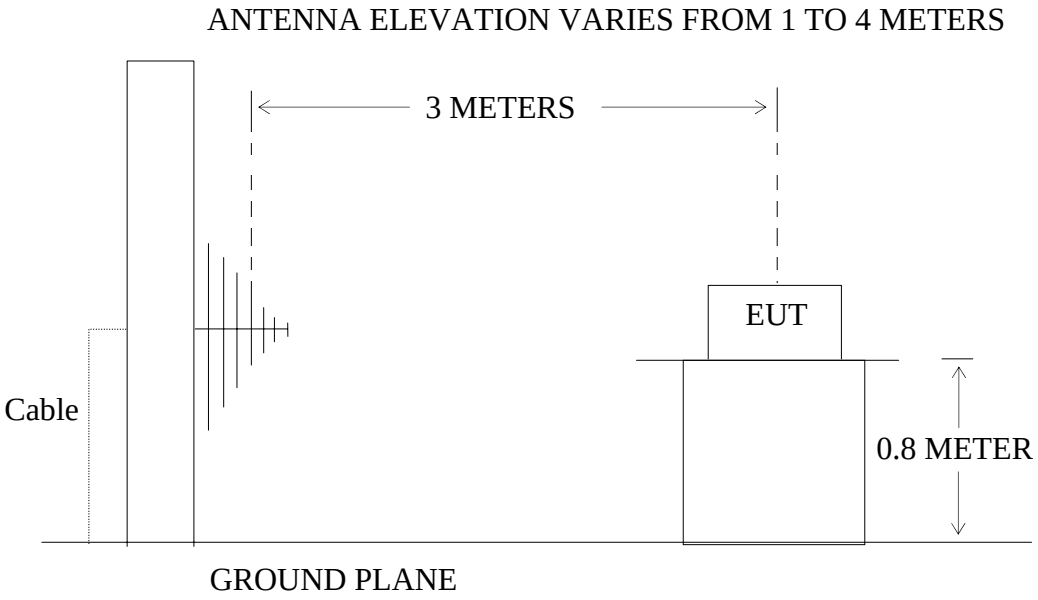


Setup: Transmitting mode

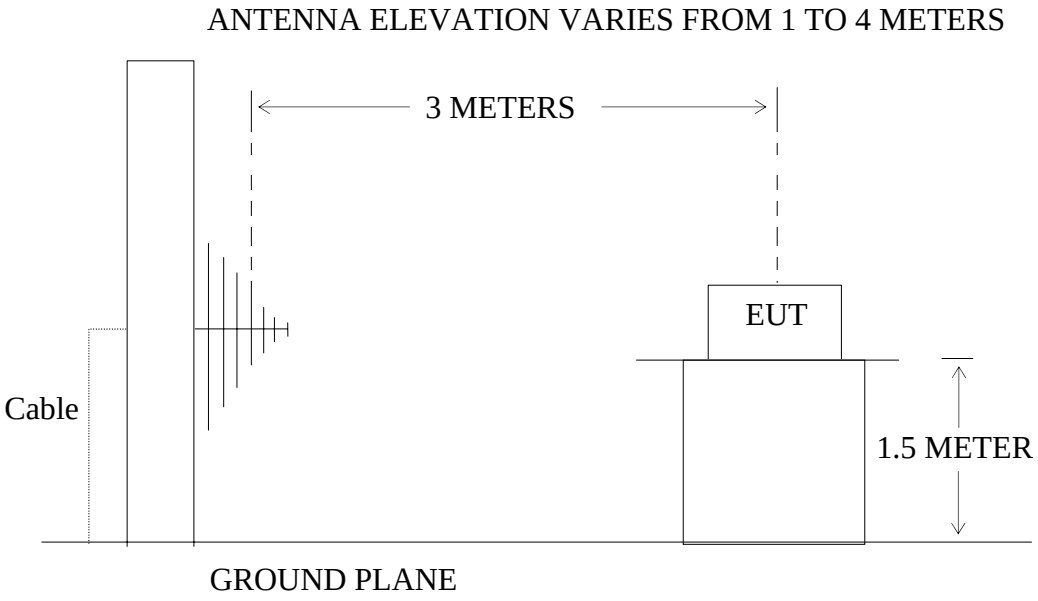
(EUT: Equipment Position Monitor Label)

7.1.2.Semi-Anechoic Chamber Test Setup Diagram

Below 1GHz



Above 1GHz



7.2. The Limit For Section 15.249

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 A8.4(4), 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).

7.3.Restricted bands of operation

7.3.1.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
[1]0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	([2])
13.36-13.41			

[1]Until February 1, 1999, this restricted band shall be 0.490-0.510
[2]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 Section15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

7.4.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.

7.5.Operating Condition of EUT

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

7.5.2.Turn on the power of all equipment.

7.5.3.Let the EUT work in TX modes measure it. The transmit frequency is 2425MHz.

7.6. 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. The EUT was tested in 3 orthogonal planes.

The frequency range from 30MHz to 25000MHz is checked.
Result = Reading + Corrected Factor
Where Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

During the radiated emission test, the spectrum analyzer was set with the following configurations:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for peak measurement with peak detector at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average measurement with peak detection at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

7.7.The Field Strength of Radiation Emission Measurement Results

PASS.

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
---	---	---	---	---	---	Vertical
---	---	---	---	---	---	Vertical
---	---	---	---	---	---	Vertical
---	---	---	---	---	---	Horizontal
---	---	---	---	---	---	Horizontal
---	---	---	---	---	---	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

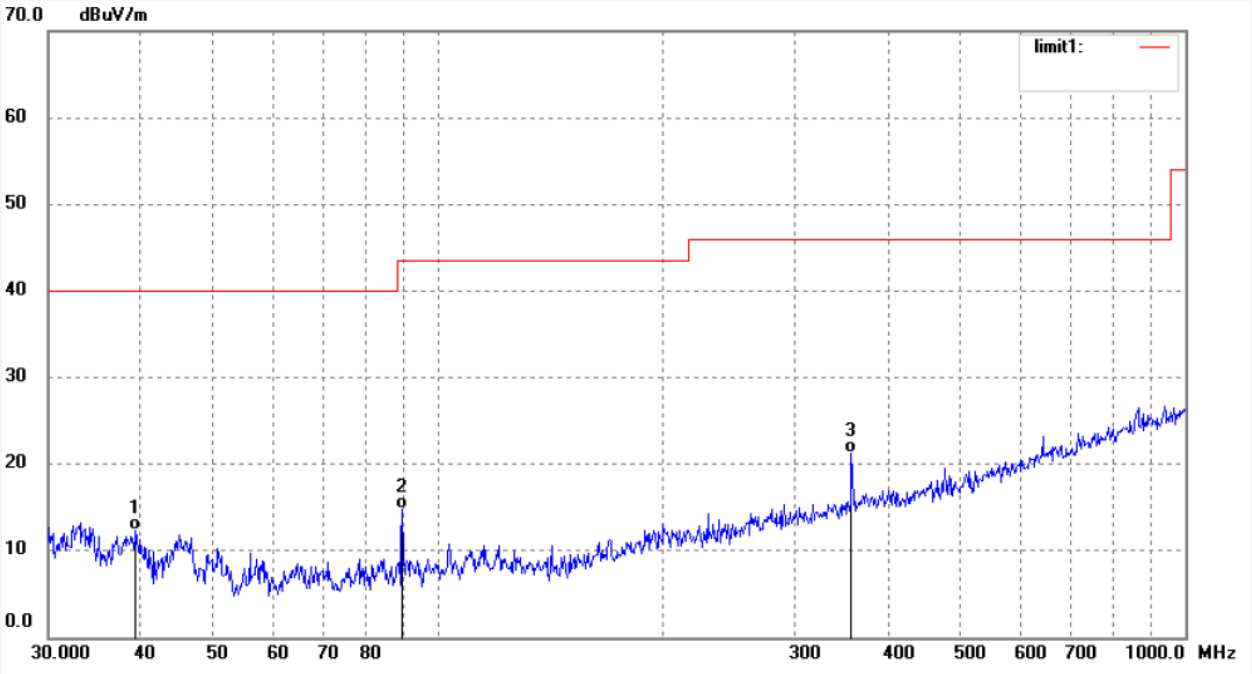
3. The EUT is tested radiation emission at Low, Middle, High channel in three axes. The worst emissions are reported in all channels.

4. The radiation emissions from 18-25GHz are not reported, because the test values lower than the limits of 20dB.

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.: Ricky 2016 #494	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 16/05/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/28/02
EUT: Equipment Working Status Sensor	Engineer Signature: Frank
Mode: TX 2425MHz	Distance: 3m
Model: Sense-TP03	
Manufacturer: Sense	

Note: Report NO.:ATE20160854

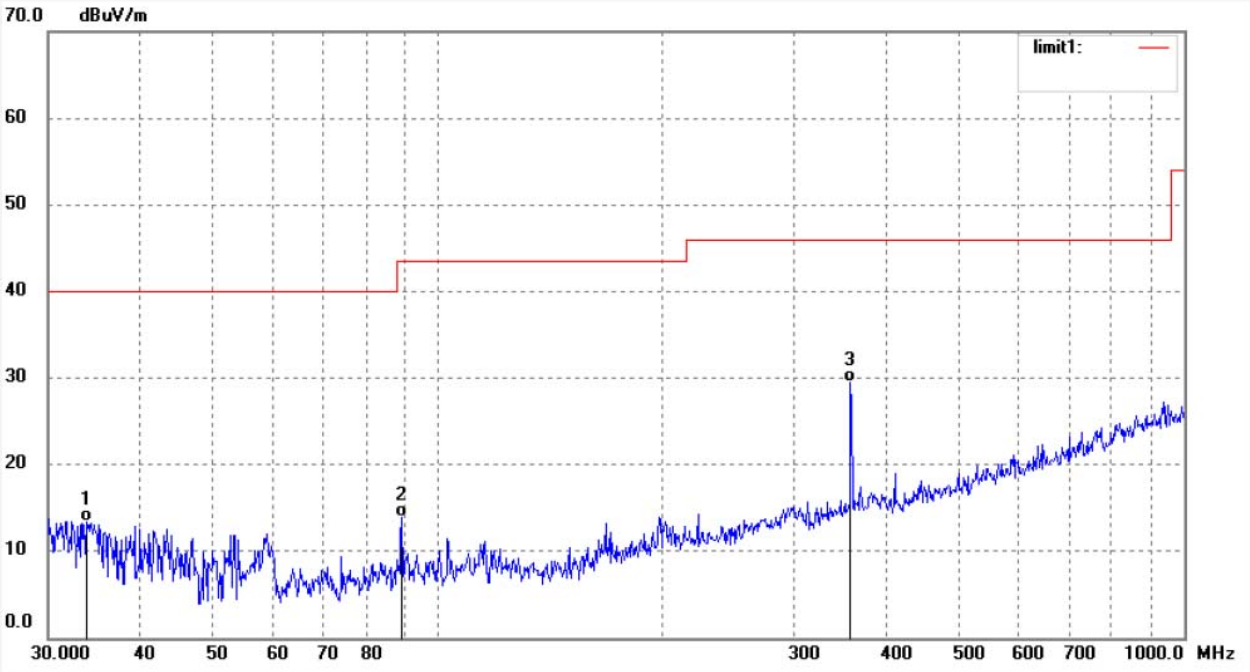


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	39.3204	31.25	-18.88	12.37	40.00	-27.63	QP			
2	89.4717	36.77	-21.99	14.78	43.50	-28.72	QP			
3	357.1925	35.66	-14.40	21.26	46.00	-24.74	QP			

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.: Ricky 2016 #493	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 16/05/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/26/32
EUT: Equipment Working Status Sensor	Engineer Signature: Frank
Mode: TX 2425MHz	Distance: 3m
Model: Sense-TP03	
Manufacturer: Sense	

Note: Report NO.:ATE20160854

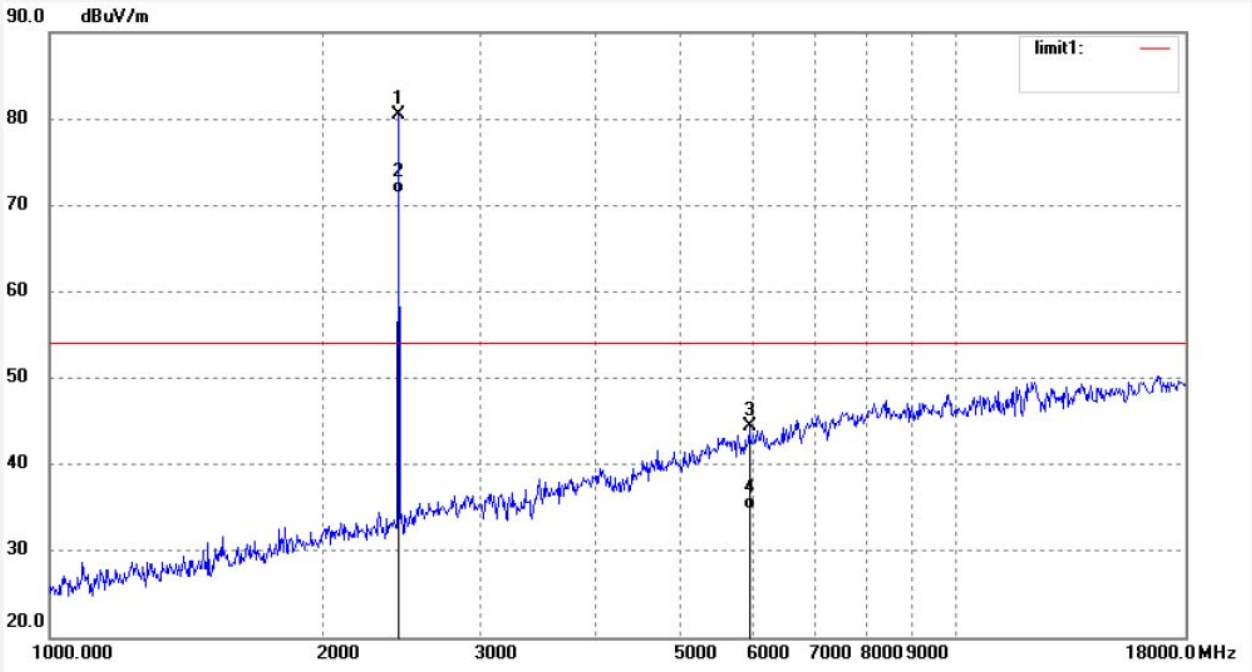


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	33.8067	30.65	-17.34	13.31	40.00	-26.69	QP			
2	89.4717	35.96	-21.99	13.97	43.50	-29.53	QP			
3	357.1925	43.83	-14.40	29.43	46.00	-16.57	QP			

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.: Ricky 2016 #491	Polarization: Horizontal
Standard: FCC 15.249 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 16/05/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/19/54
EUT: Equipment Working Status Sensor	Engineer Signature: Frank
Mode: TX 2425MHz	Distance: 3m
Model: Sense-TP03	
Manufacturer: Sense	

Note: Report NO.:ATE20160854

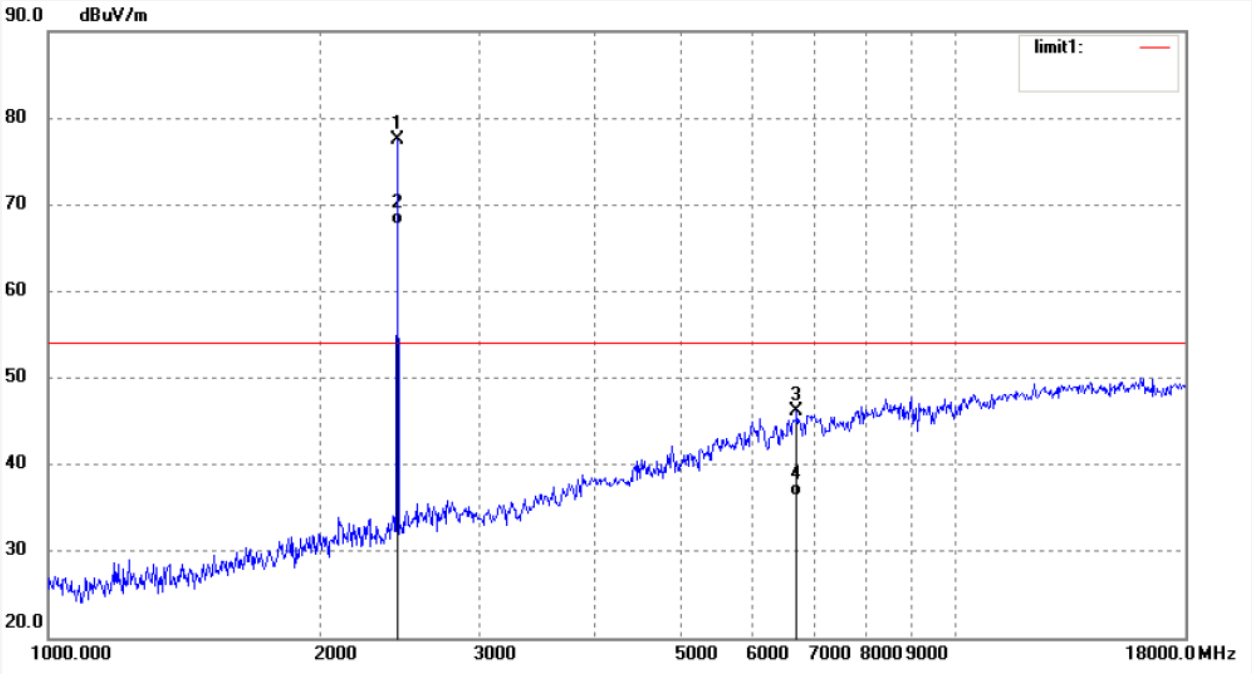


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2425.000	87.83	-7.43	80.40	114.00	33.60	peak			
2	2425.000	78.83	-7.43	71.40	94.00	22.60	AVG			
3	5938.028	41.22	3.26	44.48	74.00	29.52	peak			
4	5938.028	31.57	3.26	34.83	54.00	19.17	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.: Ricky 2016 #492	Polarization: Vertical
Standard: FCC 15.249 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 16/05/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/23/11
EUT: Equipment Working Status Sensor	Engineer Signature: Frank
Mode: TX 2425MHz	Distance: 3m
Model: Sense-TP03	
Manufacturer: Sense	

Note: Report NO.:ATE20160854



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2425.000	84.96	-7.43	77.53	114.00	36.47	peak			
2	2425.000	75.11	-7.43	67.68	94.00	26.32	AVG			
3	6710.199	41.34	4.87	46.21	74.00	27.79	peak			
4	6710.199	31.56	4.87	36.43	54.00	17.57	AVG			

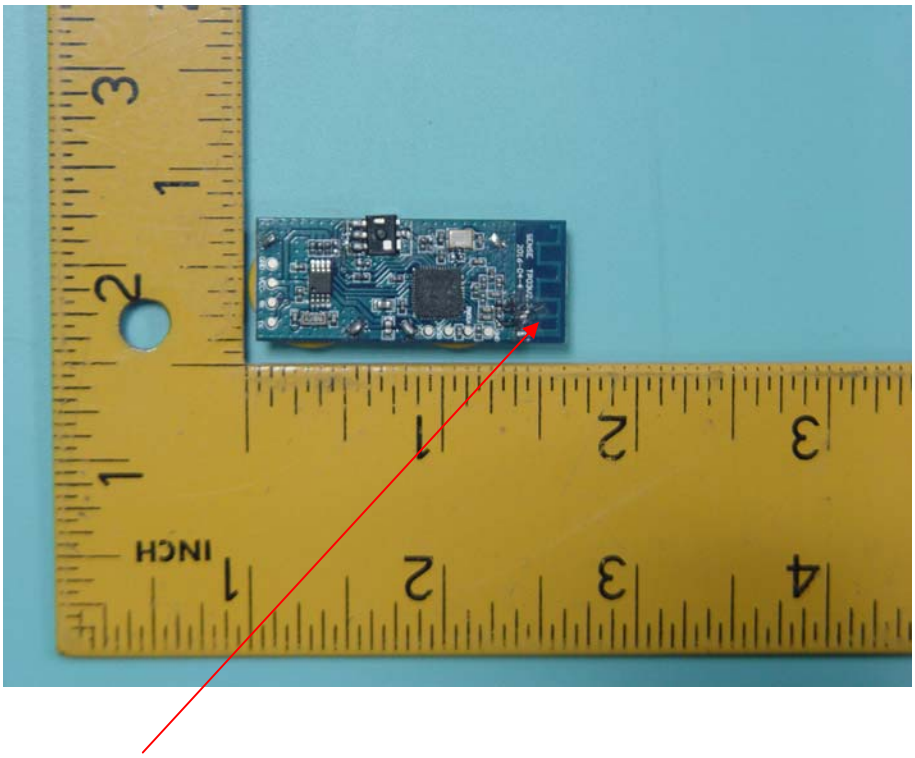
8. ANTENNA REQUIREMENT

8.1.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.

8.2.Antenna Construction

Device is equipped with Integral antenna, which isn't displaced by other antenna. The Antenna gain of EUT is 0dBi. Therefore, the equipment complies with the antenna requirement of Section 15.203.



Antenna