

Report No.: ATE20161327 Page 71 of 91

Radiated Band Edge Result

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 (Hopping off, Hopping on) modes measure it. We select 2402MHz, 2480MHz TX frequency to transmit(Hopping off mode). We select 2402-2480MHz TX frequency to transmit(Hopping on mode).

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.



Report No.: ATE20161327 Page 72 of 91

Site: 1# Chamber Tel:+86-0755-26503290

Fax:+86-0755-26503396

Non-hopping mode



ACCURATE TECHNOLOGY CO., LTD.

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

Polarization: Horizontal Power Source: DC 5V

Date: 16/05/30/ Time: 11/01/00

Engineer Signature: star

Distance: 3m

Job No.: STAR2016 #235

Standard: FCC PK
Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

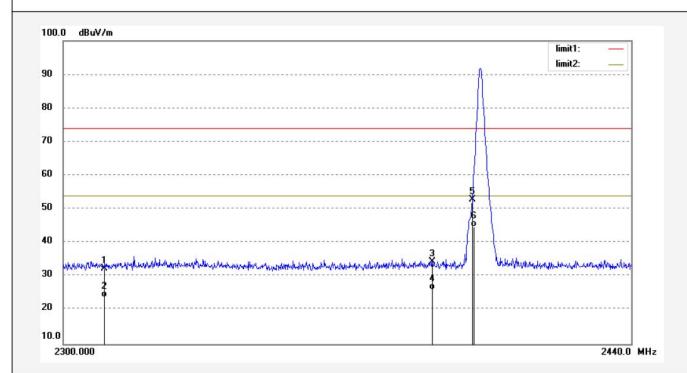
EUT: Bluetooth module

Mode: TX 2402MHz(GFSK)

Model: BT03B110

Manufacturer: Xiamen Prima Technology Inc

Note: Report No.:ATE20161327



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	40.60	-8.21	32.39	74.00	-41.61	peak			
2	2310.000	32.14	-8.21	23.93	54.00	-30.07	peak			
3	2390.000	42.45	-8.00	34.45	74.00	-39.55	peak			
4	2390.000	34.14	-8.00	26.14	54.00	-27.86	peak			
5	2400.000	60.75	-7.97	52.78	74.00	-21.22	peak			
6	2400.000	52.77	-7.97	44.80	54.00	-9.20	peak			



Report No.: ATE20161327 Page 73 of 91

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.: STAR2016 #234

Standard: FCC PK Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 % EUT: Bluetooth module

Mode: TX 2402MHz(GFSK)

Model: BT03B110

Manufacturer: Xiamen Prima Technology Inc

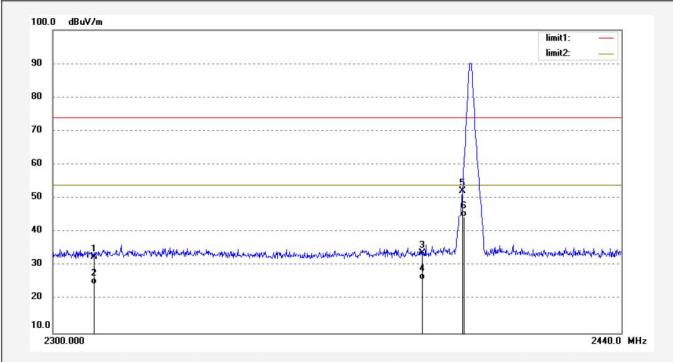
Note: Report No.:ATE20161327

Vertical Polarization: Power Source: DC 5V

Date: 16/05/30/ Time: 10/59/54

Engineer Signature: star

Distance: 3m



1 2	1				3.7	3.3				8
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	40.74	-8.21	32.53	74.00	-41.47	peak			
2	2310.000	32.67	-8.21	24.46	54.00	-29.54	peak			
3	2390.000	41.67	-8.00	33.67	74.00	-40.33	peak			
4	2390.000	33.78	-8.00	25.78	54.00	-28.22	peak			
5	2400.000	60.15	-7.97	52.18	74.00	-21.82	peak			
6	2400.000	52.60	-7.97	44.63	54.00	-9.37	peak			





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

Report No.: ATE20161327

Page 74 of 91

Job No.: STAR2016 #236 Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth module
Mode: TX 2480MHz(GFSK)

Model: BT03B110

4

2500.000

Manufacturer: Xiamen Prima Technology Inc

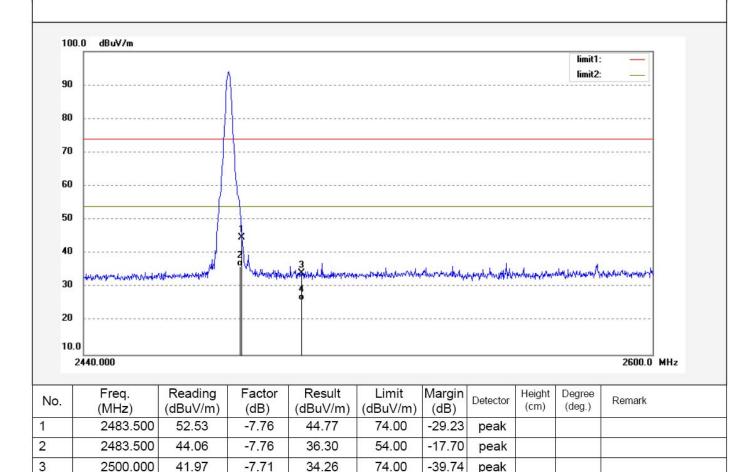
Note: Report No.:ATE20161327

Polarization: Horizontal Power Source: DC 5V

Date: 16/05/30/ Time: 11/03/07

Engineer Signature: star

Distance: 3m



Note: Average measurement with peak detection at No.2&4&6

-7.71

25.98

33.69

FCC ID: 2ADID-BT03B110 ACCURATE TECHNOLOGY CO. LTD

54.00

-28.02

peak





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

Report No.: ATE20161327

Page 75 of 91

Job No.: STAR2016 #237 Polarization: Vertical Standard: FCC PK Power Source: DC 5V

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

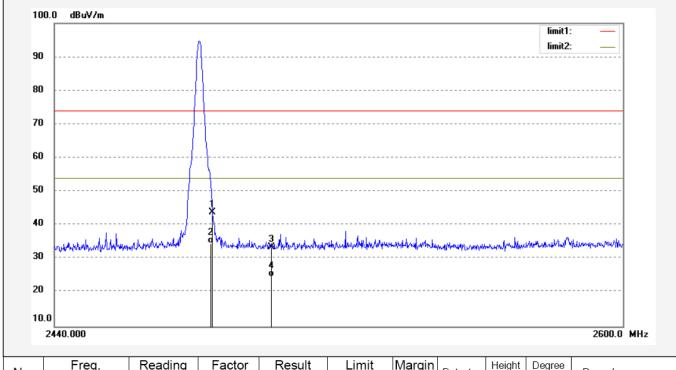
Time: 11/04/14

EUT: Bluetooth module Engineer Signature: star

Mode: TX 2480MHz(GFSK) Distance: 3m Model: BT03B110

Manufacturer: Xiamen Prima Technology Inc

Note: Report No.:ATE20161327



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	51.63	-7.76	43.87	74.00	-30.13	peak			
2	2483.500	42.45	-7.76	34.69	54.00	-19.31	peak			
3	2500.000	41.29	-7.71	33.58	74.00	-40.42	peak			
4	2500.000	32.55	-7.71	24.84	54.00	-29.16	peak			



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

Report No.: ATE20161327

Page 76 of 91

Job No.: STAR2016 #240 Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth module

Mode: TX 2402MHz(pi/4DQPSK)

Model: 2300

Manufacturer: Xiamen Prima Technology Inc

Note: Report No.:ATE20161327

Polarization: Horizontal Power Source: DC 5V

> Date: 16/05/30/ Time: 11/10/09

Engineer Signature: star

Distance: 3m

			limit1: — limit2: —
90			iimitz. —
80			
70			
60		-	
50			
40			
30	was and an affect them to me was an about the process of the about the process of the process of the about	Marchiga	the heart when consumer as the following in
20			
10.0			

A		3		X	3.3	3.3				
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	41.00	-8.21	32.79	74.00	-41.21	peak			
2	2310.000	34.80	-8.21	26.59	54.00	-27.41	peak			
3	2390.000	41.59	-8.00	33.59	74.00	-40.41	peak			
4	2390.000	33.62	-8.00	25.62	54.00	-28.38	peak			
5	2400.000	60.34	-7.97	52.37	74.00	-21.63	peak			
6	2400.000	52.45	-7.97	44.48	54.00	-9.52	peak			



Report No.: ATE20161327 Page 77 of 91

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.: STAR2016 #241 Standard: FCC PK Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth module

Mode: TX 2402MHz(pi/4DQPSK)

Model: BT03B110

Manufacturer: Xiamen Prima Technology Inc

Note: Report No.:ATE20161327

Polarization: Vertical Power Source: DC 5V

Date: 16/05/30/ Time: 11/11/55

Engineer Signature: star

Distance: 3m

		limit1: — limit2: —
90	<u> </u>	umitz. —
80		
70		
60	5	
50	5	
40		
30	Leavent form we were how he had been and have the water and have the house of the second beautiful to	etterflere middelen hagende mehndydd menider fallingl
20		
10.0		

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	40.56	-8.21	32.35	74.00	-41.65	peak			
2	2310.000	33.33	-8.21	25.12	54.00	-28.88	peak			
3	2390.000	40.32	-8.00	32.32	74.00	-41.68	peak			
4	2390.000	32.78	-8.00	24.78	54.00	-29.22	peak			
5	2400.000	64.04	-7.97	56.07	74.00	-17.93	peak			
6	2400.000	56.41	-7.97	48.44	54.00	-5.56	peak			





Report No.: ATE20161327 Page 78 of 91

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.: STAR2016 #239 Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth module

Mode: TX 2480MHz(pi/4DQPSK)

Model: BT03B110

Manufacturer: Xiamen Prima Technology Inc

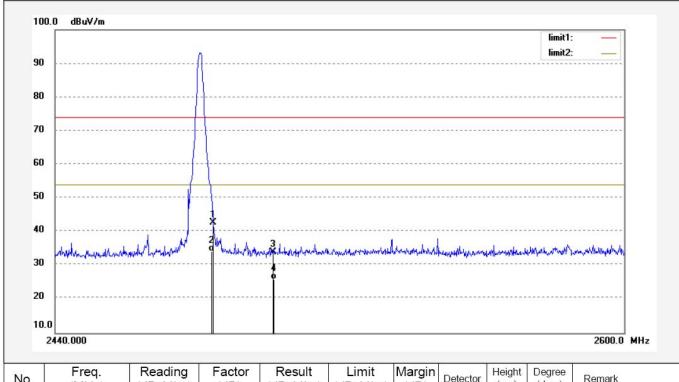
Note: Report No.:ATE20161327

Polarization: Horizontal Power Source: DC 5V

Date: 16/05/30/ Time: 11/07/49

Engineer Signature: star

Distance: 3m



No. Detector Remark (dB) (cm) (deg.) (MHz) (dBuV/m) (dBuV/m) (dBuV/m) (dB) 1 2483.500 50.53 -7.7642.77 74.00 -31.23peak 2 2483.500 42.04 -7.7634.28 54.00 -19.72peak 3 41.75 -7.71 2500.000 34.04 74.00 -39.96peak 4 2500.000 33.64 -7.7125.93 54.00 -28.07peak





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

Report No.: ATE20161327

Page 79 of 91

Job No.: STAR2016 #238 Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth module

Mode: TX 2480MHz(pi/4DQPSK)

Model: BT03B110

4

Manufacturer: Xiamen Prima Technology Inc

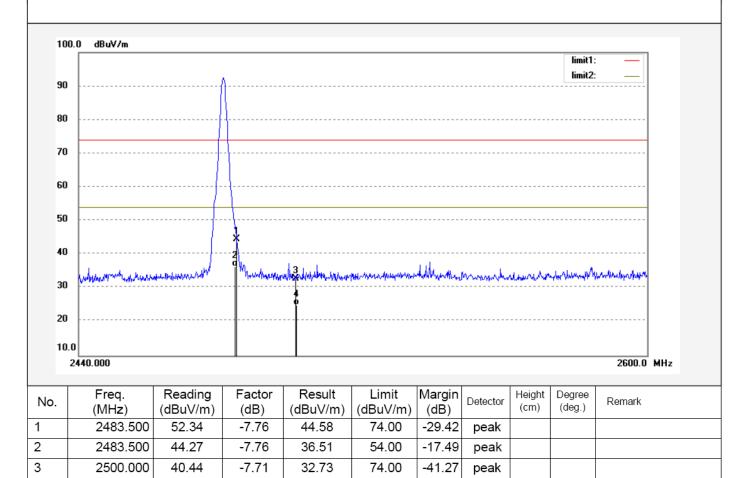
Note: Report No.:ATE20161327

Polarization: Vertical Power Source: DC 5V

Date: 16/05/30/ Time: 11/06/39

Engineer Signature: star

Distance: 3m



Note: Average measurement with peak detection at No.2&4

-7.71

24.99

32.70

2500.000

54.00

-29.01

peak



Report No.: ATE20161327 Page 80 of 91

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.: STAR2016 #243 Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth module

Mode: TX 2402MHz(8DPSK)

Model: BT03B110

Manufacturer: Xiamen Prima Technology Inc

Note: Report No.:ATE20161327

Polarization: Horizontal Power Source: DC 5V

Date: 16/05/30/ Time: 11/16/07

Engineer Signature: star

Distance: 3m

		limit1: —
90		limit2: —
80		
70		
60		
50	X	
40	energe the fresh was for more than the contract of the contrac	to respect the development well much
30	French Prof. Manhatan Land Land Land Land Land Land Land La	a. 1. a. b. leader Detrond of a septimental profit transfer Addi
20		
10.0)	

	A V		()	N.	306	200		X	4	4
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	41.31	-8.21	33.10	74.00	-40.90	peak			
2	2310.000	32.40	-8.21	24.19	54.00	-29.81	peak			
3	2390.000	41.16	-8.00	33.16	74.00	-40.84	peak			
4	2390.000	33.00	-8.00	25.00	54.00	-29.00	peak			
5	2400.000	64.49	-7.97	56.52	74.00	-17.48	peak			
6	2400.000	55.67	-7.97	47.70	54.00	-6.30	peak			





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

Report No.: ATE20161327

Page 81 of 91

Job No.:STAR2016 #242Polarization:VerticalStandard:FCC PKPower Source:DC 5V

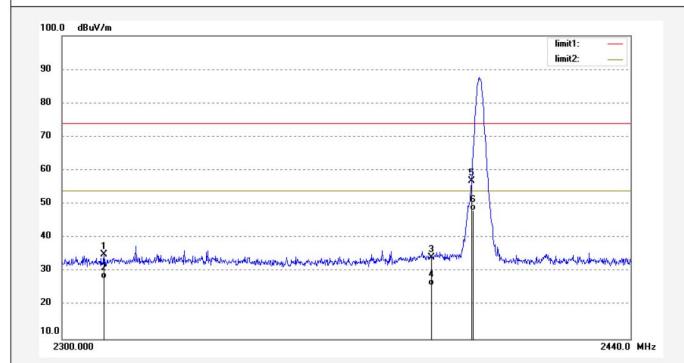
Test item: Radiation Test Date: 16/05/30/

Temp.(C)/Hum.(%) 25 C / 55 % Time: 11/14/55
EUT: Bluetooth module Engineer Signature: star

Mode: TX 2402MHz(8DPSK) Distance: 3m Model: BT03B110

Manufacturer: Xiamen Prima Technology Inc

Note: Report No.:ATE20161327



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	43.32	-8.21	35.11	74.00	-38.89	peak			
2	2310.000	36.00	-8.21	27.79	54.00	-26.21	peak			
3	2390.000	42.30	-8.00	34.30	74.00	-39.70	peak			
4	2390.000	33.90	-8.00	25.90	54.00	-28.10	peak			
5	2400.000	64.89	-7.97	56.92	74.00	-17.08	peak			
6	2400.000	56.14	-7.97	48.17	54.00	-5.83	peak	0	0	





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

Report No.: ATE20161327

Page 82 of 91

Job No.: STAR2016 #244 Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth module

Mode: TX 2480MHz(8DPSK)

Model: BT03B110

Manufacturer: Xiamen Prima Technology Inc

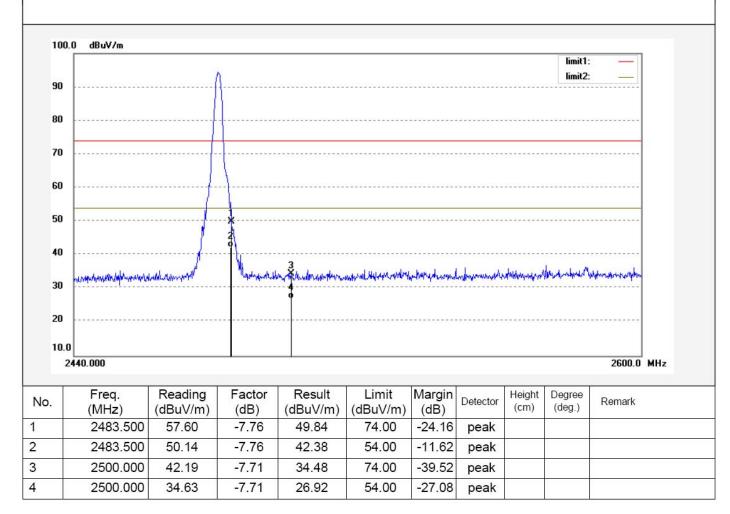
Note: Report No.:ATE20161327

Polarization: Horizontal Power Source: DC 5V

Date: 16/05/30/ Time: 11/18/27

Engineer Signature: star

Distance: 3m







Report No.: ATE20161327 Page 83 of 91

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.: STAR2016 #245 Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth module

Mode: TX 2480MHz(8DPSK)

Model: BT03B110

Manufacturer: Xiamen Prima Technology Inc

Note: Report No.:ATE20161327

Polarization: Vertical Power Source: DC 5V

Date: 16/05/30/ Time: 11/20/04

Engineer Signature: star

Distance: 3m

90										limit1: limit2:	10
70 60 50 40 30 20 10.0 2440.000 Freq. Reading Factor Result Limit Margin Detector Height Degree Remark	90			 1							
60 40 30 20 10.0 2440.000 Freq. Reading Factor Result Limit Margin Result Degree Remark	80										
50 40 30 20 10.0 2440.000 Freq. Reading Factor Result Limit Margin Detector Height Degree Remark	70			-							
30 20 10.0 2440.000 2600.0	60			-							
30 20 10.0 2440.000 2600.0	50										
20 10.0 2440.000 Freq. Reading Factor Result Limit Margin Detector Height Degree Remark											
10.0 2440.000 2600.0 Freq. Reading Factor Result Limit Margin Detector Height Degree Remark	40										
Freq. Reading Factor Result Limit Margin Detector Height Degree Remark		-bush-ndrijunghandrijske	angening ship had a sh	WAR ALAMANA	water by the state of the state	Alterationshipsela	ore-oblide-overstapel	hulphydainemen	alen edulek kongo	Material	thytek Starry Monerally
Freq. Reading Factor Result Limit Margin Detector Height Degree Remark	30	-both with the appealable	age.Ageda.Jeph	wandphown.	iyoodurinda kifiyadaa	Aproposition	wand from the of	ihilimpalininga	alexadulatives	Museumerlyksl ^{es} e	they had been and agg
Freq. Reading Factor Result Limit Margin Detector (dBuV/m) (dB) (dBuV/m) (dBuV/m) (dBuV/m) (dB)	30 20		anger Angele Angele de P	Warranda Maria	iya maka kifunkus	ysi oraniranska popula	organish dhamas daga	italimentus	aleuneluledendeur	Andrew or idealine	elsephil Sternastonatus
TO THE PROPERTY OF THE PROPERT	30 20 10.0	1	age. Anguda Nagarah	Warring April 19 Apri	ig og Maria der September	ysi erectranskupenske	ore-alph-variana	iksthinghetin magn	alexadoletican	Andrew contestion	2600.0 MHz
2483.500 53.46 -7.76 45.70 74.00 -28.30 peak	30 20 10.0 2	440.000 Freq.	Reading	Factor	Result	Limit	Margin		Height	Degree	2600.0 MHz
2483.500 45.36 -7.76 37.60 54.00 -16.40 peak	30 20 10.0 2	440.000 Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height	Degree	2600.0 MHz
2500.000 41.98 -7.71 34.27 74.00 -39.73 peak	30 20 10.0 2	Freq. (MHz) 2483.500	Reading (dBuV/m) 53.46	Factor (dB) -7.76	Result (dBuV/m) 45.70	Limit (dBuV/m) 74.00	Margin (dB) -28.30	Detector peak peak	Height	Degree	2600.0 MHz



Report No.: ATE20161327 Page 84 of 91

Hopping mode



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.: STAR2016 #247 Polarization: Horizontal Standard: FCC PK Power Source: DC 5V

Test item: Radiation Test Date: 16/05/30/
Temp.(C)/Hum.(%) 25 C / 55 % Time: 11/27/58

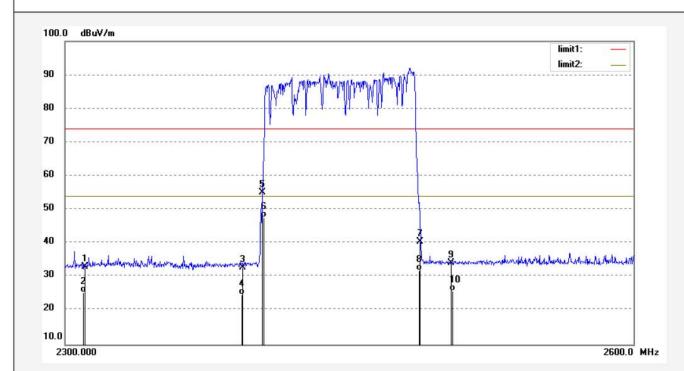
EUT: Bluetooth module Engineer Signature: star

Mode: HOPPING (GFSK) Distance: 3m

Model: BT03B110

Manufacturer: Xiamen Prima Technology Inc

Note: Report No.:ATE20161327



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	41.24	-8.21	33.03	74.00	-40.97	peak			
2	2310.000	33.69	-8.21	25.48	54.00	-28.52	peak			
3	2390.000	40.75	-8.00	32.75	74.00	-41.25	peak			
4	2390.000	32.77	-8.00	24.77	54.00	-29.23	peak			
5	2400.000	63.17	-7.97	55.20	74.00	-18.80	peak			
6	2400.000	55.69	-7.97	47.72	54.00	-6.28	peak			
7	2483.500	48.14	-7.76	40.38	74.00	-33.62	peak			
8	2483.500	39.64	-7.76	31.88	54.00	-22.12	peak			
9	2500.000	41.88	-7.71	34.17	74.00	-39.83	peak			
10	2500.000	33.62	-7.71	25.91	54.00	-28.09	peak			

Note: Average measurement with peak detection at No.2&4&6&8&10

FCC ID: 2ADID-BT03B110 ACCURATE TECHNOLOGY CO. LTD



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

Report No.: ATE20161327

Page 85 of 91

Job No.: STAR2016 #246 Standard: FCC PK Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth module Mode: HOPPING (GFSK)

Model: BT03B110

Manufacturer: Xiamen Prima Technology Inc

Note: Report No.:ATE20161327

Polarization: Vertical

Power Source: DC 5V Date: 16/05/30/

Time: 11/25/35

Engineer Signature: star

Distance: 3m

				limit1: — limit2: —
90		Marila Landra morandy		
80		11. 41.41.		**************
70		-		
60		5 X		
50		6 0		
40	11 1 2 mark the state of the same of 3 and		, 1	
30	is a little and the state of th		8 10 4 1 10 10 10 10 10 10 10 10 10 10 10 10 1	C. Married Married Married
20				

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	43.34	-8.21	35.13	74.00	-38.87	peak			
2	2310.000	35.37	-8.21	27.16	54.00	-26.84	peak			
3	2390.000	42.32	-8.00	34.32	74.00	-39.68	peak			
4	2390.000	34.32	-8.00	26.32	54.00	-27.68	peak			
5	2400.000	65.23	-7.97	57.26	74.00	-16.74	peak			
6	2400.000	56.92	-7.97	48.95	54.00	-5.05	peak			
7	2483.500	46.94	-7.76	39.18	74.00	-34.82	peak			
8	2483.500	38.65	-7.76	30.89	54.00	-23.11	peak			
9	2500.000	41.74	-7.71	34.03	74.00	-39.97	peak			
10	2500.000	33.22	-7.71	25.51	54.00	-28.49	peak			

Note: Average measurement with peak detection at No.2&4&6&8&10

FCC ID: 2ADID-BT03B110 ACCURATE TECHNOLOGY CO. LTD





Report No.: ATE20161327 Page 86 of 91

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.: STAR2016 #248 Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth module

Mode: HOPPING (pi/4DQPSK)

Model: BT03B110

Manufacturer: Xiamen Prima Technology Inc

Note: Report No.:ATE20161327

Polarization: Horizontal Power Source: DC 5V

Date: 16/01/30/ Time: 11/30/14

Engineer Signature: star

Distance: 3m

		limit1: — limit2: —
80	later translitter	may and Marker and Mar
70		
60	<u>\$</u>	
50	5	3
40	3	
30 2	1 - Straden agree with the continuous the field	Manager Land Commence and Manager Land Commence and Comme
20	, , , , , , , , , , , , , , , , , , ,	
10.0		

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	41.26	-8.21	33.05	74.00	-40.95	peak			
2	2310.000	33.66	-8.21	25.45	54.00	-28.55	peak			
3	2390.000	42.11	-8.00	34.11	74.00	-39.89	peak			
4	2390.000	33.68	-8.00	25.68	54.00	-28.32	peak			
5	2400.000	63.80	-7.97	55.83	74.00	-18.17	peak		*	
6	2400.000	55.10	-7.97	47.13	54.00	-6.87	peak		*	
7	2483.500	52.46	-7.76	44.70	74.00	-29.30	peak			
8	2483.500	44.62	-7.76	36.86	54.00	-17.14	peak			
9	2500.000	42.02	-7.71	34.31	74.00	-39.69	peak			
10	2500.000	34.06	-7.71	26.35	54.00	-27.65	peak			





Page 87 of 91

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

ACCURATE TECHNOLOGY CO., LTD.

Site: 1# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Report No.: ATE20161327

Job No.: STAR2016 #249 Standard: FCC PK Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth module

Mode: HOPPING (pi/4DQPSK)

Model: BT03B110

Manufacturer: Xiamen Prima Technology Inc

Note: Report No.:ATE20161327

Polarization: Vertical

Power Source: DC 5V

Date: 16/01/30/ Time: 11/32/05

Engineer Signature: star

Distance: 3m

90				limit1: — limit2: —
90		train, by Month My Whathey may		
80		(Mb, 1, M. 1 1 1, 1, 1, 1, 1		
70				
60				
50		.	X	
40			§ 	
30	William and which the second s		10	af date of province of the control of the service
20				

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	41.15	-8.21	32.94	74.00	-41.06	peak			
2	2310.000	33.20	-8.21	24.99	54.00	-29.01	peak			
3	2390.000	41.79	-8.00	33.79	74.00	-40.21	peak			
4	2390.000	33.71	-8.00	25.71	54.00	-28.29	peak			
5	2400.000	65.98	-7.97	58.01	74.00	-15.99	peak			
6	2400.000	57.00	-7.97	49.03	54.00	-4.97	peak			
7	2483.500	56.54	-7.76	48.78	74.00	-25.22	peak		73	
8	2483.500	48.65	-7.76	40.89	54.00	-13.11	peak			
9	2500.000	41.85	-7.71	34.14	74.00	-39.86	peak			
10	2500.000	33.14	-7.71	25.43	54.00	-28.57	peak			

Note: Average measurement with peak detection at No.2&4&6&8&10

FCC ID: 2ADID-BT03B110 ACCURATE TECHNOLOGY CO. LTD



Report No.: ATE20161327 Page 88 of 91

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.: STAR2016 #251 Standard: FCC PK Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth module

Mode: HOPPING (8DPSK)

Model: BT03B110

Manufacturer: Xiamen Prima Technology Inc

Note: Report No.:ATE20161327

Polarization: Horizontal Power Source: DC 5V

Date: 16/05/30/ Time: 11/38/04

Engineer Signature: star

Distance: 3m

		limit1: —
90		limit2: —
90	المالدينا أواسيطها والمستعالية	Little land of the state of the
80	M. A. A.	44
70		
60		
-	*	
50		
40	1	,
40	Landan market and a state of the state of th	When the health we solve the state of the state of the specific specific solves and the survivier
30	light for the first the second of the second	8 Landon of Jan San San San San San San San San San S
	3	10
20		

	A	4	30		0	0			4	n
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	42.47	-8.21	34.26	74.00	-39.74	peak			
2	2310.000	33.69	-8.21	25.48	54.00	-28.52	peak			
3	2390.000	41.70	-8.00	33.70	74.00	-40.30	peak			
4	2390.000	34.00	-8.00	26.00	54.00	-28.00	peak			
5	2400.000	63.43	-7.97	55.46	74.00	-18.54	peak			
6	2400.000	55.67	-7.97	47.70	54.00	-6.30	peak			
7	2483.500	46.59	-7.76	38.83	74.00	-35.17	peak			
8	2483.500	38.14	-7.76	30.38	54.00	-23.62	peak			
9	2500.000	42.61	-7.71	34.90	74.00	-39.10	peak			
10	2500.000	33.54	-7.71	25.83	54.00	-28.17	peak			



Report No.: ATE20161327 Page 89 of 91



Job No.: STAR2016 #250 Standard: FCC PK

Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Bluetooth module

Mode: HOPPING (8DPSK)

Model: BT03B110

Manufacturer: Xiamen Prima Technology Inc

Note: Report No.:ATE20161327

Polarization: Vertical Power Source: DC 5V

Date: 16/01/30/ Time: 11/35/15

Engineer Signature: star

Distance: 3m

		limit1: —
90	Timet/Vindus	May limit2: —
80	/	11 1 1
70		
60		
50	3	
40	1	
30	medicanine de le mande de mande de la mand	France Landers Comment of the Commen
20		

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	42.54	-8.21	34.33	74.00	-39.67	peak			
2	2310.000	33.57	-8.21	25.36	54.00	-28.64	peak			
3	2390.000	42.00	-8.00	34.00	74.00	-40.00	peak			
4	2390.000	34.04	-8.00	26.04	54.00	-27.96	peak			
5	2400.000	60.85	-7.97	52.88	74.00	-21.12	peak			
6	2400.000	52.00	-7.97	44.03	54.00	-9.97	peak			
7	2483.500	44.45	-7.76	36.69	74.00	-37.31	peak			
8	2483.500	36.77	-7.76	29.01	54.00	-24.99	peak			
9	2500.000	42.23	-7.71	34.52	74.00	-39.48	peak			
10	2500.000	35.14	-7.71	27.43	54.00	-26.57	peak			

Note: Average measurement with peak detection at No.2&4&6&8&10

FCC ID: 2ADID-BT03B110 ACCURATE TECHNOLOGY CO. LTD



Report No.: ATE20161327

Page 90 of 91

12.AC POWER LINE CONDUCTED EMISSION FOR FCC PART

15 SECTION 15.207(A)

12.1. Power Line Conducted Emission Measurement Limits

Frequency	Limit d	B(μV)
(MHz)	Quasi-peak Level	Average Level
0.15 - 0.50	66.0 – 56.0 *	56.0 – 46.0 *
0.50 - 5.00	56.0	46.0
5.00 - 30.00	60.0	50.0

NOTE1: The lower limit shall apply at the transition frequencies.

NOTE2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.

12.2.Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2014 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

12.3. Power Line Conducted Emission Measurement Results

N.A

Note: The power supply mode of the EUT is DC 3.3-5.5V, According to the FCC standard requirements, conducted emission is not applicable.



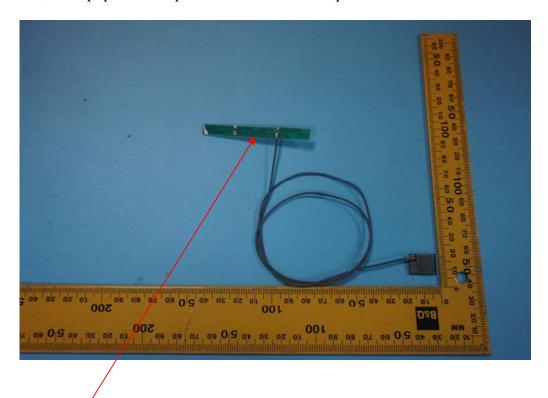
13.ANTENNA REQUIREMENT

13.1.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.

13.2. Antenna Construction

The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per Sections 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b); The Antenna gain of EUT is 2dBi. Therefore, the equipment complies with the antenna requirement.



Antenna