

## **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.
- 4. The EUT is tested radiation emission at each test mode (802.11a/ac/n) in three axes. Besides, We have tested the single antenna transmit mode and the dual antenna emission mode. The worst emissions are reflected in the following plots.
- 5. The average measurement was not performed when peak measured data under the limit of average detection.



### Test mode: 802.11a TX Frequency: 5180MHz, 5240MHz, 5745MHz, 5825MHz

ATC		TE TECH Changyuan Ne Industry Park,I	ew Material	Port Ke	yuan Ro	Ι,		Site: 2# Chamber +86-0755-26503290 :+86-0755-26503396
Job No.: star2018 #2078				F	olarizat	ion: I	Horizont	al
Standard: FCC PK				F	ower So	ource:	DC 12\	/
Test item: Radiation Test					Date: 20	18/06/2	2	
Temp.( C)/Hum.(%) 23	C / 48 %			Т	Fime: 18	:23:45		
EUT: UP-Android 7 n	odule			E	Engineer	Signat	ure: st	ar
Mode: TX 5180MHz(80)	2.11a)			0	Distance	3m		
Model: UPA000AN								
Manufacturer: CTOUCH E	urope B.V.							
Note: Report No.:ATE20	180786							
120.0 dBu¥/m 110 100							limit1: limit2:	
90								
80						7		
70								
60					and your and the second			
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on or the shade we there also a second and addition of	enterthermony and a stand a stand a sta	www.aantal.com.alladed	the strend and the strend and a	2			March	the made and the
40				- <b>0</b>				
30								
20								
10								
0.0								
5030.000								5230.0 MHz
No. Freq. Read (MHz) (dBu)		Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1 5150.000 41.0	6.39	47.48	74.00	-26.52	peak	150	118	
	1990 1990 1990 1990 1990 1990 1990 1990		A STATISTICS	a service serv		The second second second	111111111	

ATC								Re	-	ATE20180780 ge 107 of 164
ATC	F1	,Bldg,A,Cł	TE TECH nangyuan Ne dustry Park,I	ew Material	Port Ke	yuan Rd	l,		+86-0755	Chamber 5-26503290 5-26503396
Job No.: star2018 #2 Standard: FCC PK Test item: Radiation Temp.( C)/Hum.(%) EUT: UP-Androi Mode: TX 5180MH Model: UPA000AN Manufacturer: CTOU( Note: Report No.:A	Test 23 C / 4 d 7 module lz(802.11a) CH Europe	e ) B.V.			F C T E	Polarizati Power Sc Date: 201 Fime: 18: Engineer Distance:	ource: 18/06/2 :22:50 Signat	2		
120.0 dBu¥/m 110 100 90 80 70 60 50 40					- June -	und -		limit1: limit2:		
30 20 10 0.0 5030.000	Reading	Factor	Result	Limit	Margin	Detector	Height	Degree	5230.0 Remark	MHz
(MHz) (	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	20100101	(cm)	(deg.)	. to mont	

ATC								Re	port No.: ATE2018078 Page 108 of 10
ATC	F	1,Bldg,A,Cl	TE TECH hangyuan No dustry Park,I	ew Material	Port Ke	yuan Rd	,		Site: 2# Chamber +86-0755-26503290 :+86-0755-26503396
Mode: TX 524 Model: UPA00 Manufacturer: C	8 #2079 PK ation Test (%) 23 C / / ndroid 7 modu DMHz(802.11) DAN	48 % ile a) be B.V.			F F C T E	Polarizati Power Sc Date: 201 Fime: 18: Engineer Distance:	on: I ource: 18/06/2 :25:47 Signat	2	
120.0 dBuV/m 110 100 90 80 70 60 50 30 20 10 5190.000								limit1: limit2:	
No. Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1 5350.0	40.96	6.86	47.82	74.00	-26.18	and the second s	150	328	
2 5350.0	31.28	6.86	38.14	54.00	- <mark>15.86</mark>	AVG	150	330	

ATC								Re	port No.: ATE2018078 Page 109 of 16
ATC	F1	,Bldg,A,Cł	TE TECH nangyuan Ne dustry Park,I	ew Material	Port Ke	yuan Rd	,	Tel:	Site: 2# Chamber +86-0755-26503290 :+86-0755-26503396
Mode: TX 5240M Model: UPA000A Manufacturer: CTO	on Test ) 23 C / 4 oid 7 module IHz(802.11a N	e ) e B.V.			F C T E	Polarizati Power Sc Date: 201 Fime: 18: Engineer Distance:	ource: 18/06/2 26:40 Signat	2	/ ar
120.0 dBuV/m 110 100 90 80 70								limit1: limit2:	
60 50 40 30 20 10 5190.000			Marina conservation of the second sec				2 0 0	44,	5390.0 MHz
No. Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1 5350.000 2 5350.000	40.53 31.00	6.86 6.86	47.39 37.86	74.00 54.00	-26.61 -16.14	peak AVG	150 150	127 130	



# 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

		Sci	ence & Inc	lustry Park,	Vanshan Sh	enzhen	,P.R.Chi	na	Fax	:+86-0755-	26503396
Job N	lo.: star2018 #	<sup>±</sup> 2090				F	Polarizati	on: H	lorizonta	al	
Stand	lard: FCC PK					F	Power Sc	ource:	DC 12V	/	
Test i	tem: Radiatio	n Test				C	Date: 201	8/06/2	2		
Temp	o.( C)/Hum.(%	) 23 C/4	8 %			Г	Time: 18:	38:56			
EUT:	UP-Andr	oid 7 module	е			E	Engineer	Signat	ure: st	ar	
Mode	: TX 5745M	Hz(802.11a	)			C	Distance:	3m			
Mode	I: UPA000AI	N									
Manu	facturer: CTO	JCH Europe	B.V.								
Note:		0									
noto.	rtoport Ho		00								
12	20.0 dBuV/m										
									limit1: limit2:		
11	U										
10	0										
90	ı										
80								may			
70											
60											
50	mentioneleverage	Vermantennen	www.www.	4. John Herry Herry Harry Charles	Here Haller all and an	1	et		Howmander	and the second states	
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10	(										
0.0	o										
	5590.000									5795.0 H	IHz
	Freq.	Reading	Factor	Result	Limit	Margin		Height	Degree		
No.	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)		Detector	(cm)	(deg.)	Remark	
1	5715.000	39.64	7.59	47.23	74.00	-26.77	peak	150	329		
2	5715.000	31.57	7.59	39.16	54.00	-14.84	AVG	150	330		
3	5725.000	42.96	7.65	50.61	74.00	-23.39	peak	150	137		
4	5725.000	34.69	7.65	42.34	54.00	-11.66	AVG	150	318		

A	TC								Re	-	ATE2018078 ge 111 of 16
		AC	CURAT	TE TECH	NOLOG	Y CO	., LTD			Site: 2#	Chamber
A	TC			hangyuan Ne dustry Park,i							-26503290 5-26503396
Job N	lo.: star2018 #			, <b>,</b> , .			Polarizati		/ertical		
Stand	lard: FCC PK					F	Power Sc	ource:	DC 12\	1	
Test it	tem: Radiatio	n Test				0	Date: 201	8/06/2	2		
Temp	o.( C)/Hum.(%	) 23 C/4	8 %			Т	Time: 18:	38:10			
EUT:	UP-Andr	oid 7 modul	e			E	Engineer	Signat	ure: st	ar	
Mode:	: TX 5745M	Hz(802.11a	)			0	Distance:	3m			
Model	I: UPA000A	N									
Manuf	facturer: CTO	JCH Europe	B.V.								
Note:	Report No.:	ATE201807	86								
12	:0.0 dBu∀/m										
									limit1:		
110	0								limit2:		
10	0										
90	í										
80											
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60						3	Mr		94thing		
50	- Marghal Maganakanan	when many many adverse to a state	and the second second second	new and production	and an and the second	mound			minterior	Walnethermolecula	
40											
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20											
20 10	l,										
20 10 0.0										5795.0	MHz
20 10 0.0	0 5590.000									5795.0	MHz
20 10 0.0	5590.000 Freq.	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	5795.0 Remark	MHz
20 10 0.0	0 5590.000	Reading (dBuV/m) 40.27	Factor (dB) 7.59	Result (dBuV/m) 47.86	Limit (dBuV/m) 74.00	Margin (dB) -26.14					MHz
20 10 0.0	5590.000 Freq. (MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	peak	(cm)	(deg.)		MHz
20 10 0.0 No.	Freq. (MHz) 5715.000	(dBuV/m) 40.27	(dB) 7.59	(dBuV/m) 47.86	(dBuV/m) 74.00	(dB) -26.14	peak	(cm) 150	(deg.) 112		MHz

Α	TC								Rej	port No.: ATE20180786 Page 112 of 164
A	TC®	F1	,Bldg,A,Cl	TE TECH nangyuan Ne dustry Park,I	ew Material	Port Ke	yuan Rd	l,	Tel:	Site: 2# Chamber +86-0755-26503290 :+86-0755-26503396
Standa Test ite Temp. EUT: Mode: Model:	TX 5825M	2091 n Test ) 23 C / 4 oid 7 module Hz(802.11a N JCH Europe	8 % e ) e B.V.	auory run,i		F F C T E	Polarizati Power Sc Date: 201 Time: 18 Engineer Distance:	ion: F burce: 18/06/2 :41:26 Signat	2	/
120 110 100 90 80 70	)								limit1: limit2:	
60 50 40 30 20 10 0.0				mund		harvester	Wa <u>ng</u> 28		, <b>3</b>	
No.	5775.000 Freq.	Reading	Factor	Result		Margin	Detector	Height	Degree	5875.0 MHz Remark
1	(MHz) 5850.000	(dBuV/m) 40.86	(dB) 8.25	(dBuV/m) 49.11	(dBuV/m) 74.00	(dB) -24.89	peak	(cm) 150	(deg.) 318	- Contain
2	5850.000	32.00	8.25	40.25	54.00	-13.75	AVG	150	312	
3	5860.000	40.60	8.28	48.88	74.00	-25.12	peak	150	327	
4	5860.000	31.67	8.28	39.95	54.00	-14.05	AVG	150	328	

Α	ТС								Re	-	ATE2018078 ge 113 of 164
		AC	CURAT	TE TECH	INOLOG	Y CO	., LTC	).		Site: 2# 0	
A	TC			hangyuan No dustry Park,I							-26503290 5-26503396
Job No	o.: star2018 #			addir y F arti,			Polarizat		/ertical		
Standa	ard: FCC PK					F	Power So	ource:	DC 12\	/	
Test ite	em: Radiatio	n Test				[	Date: 20	18/06/2	2		
Temp.	( C)/Hum.(%	) 23 C/4	8 %			T	Time: 18	:42:13			
EUT:	UP-Andro	oid 7 module	e			E	Engineer	Signat	ure: st	ar	
Mode:		Hz(802.11a	)			C	Distance	3m			
Model:											
Manuf	acturer: CTOL	JCH Europe	B.V.								
Note:	Report No .:.	ATE201807	86								
110 100 90 80 70 60 50 40 30				mad and the second s		L	Mut. 1		limit1: limit2:		
10											
0.0											
,	5775.000									5875.0	MHz
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	5850.000	41.57	8.25	49.82	74.00	-24.18	peak	150	38		
2	5850.000	33.70	8.25	41.95	54.00	-12.05	AVG	150	40		
3	5860.000	41.20	8.28	49.48	74.00	-24.52	peak	150	328		
4	5860.000	32.64	8.28	40.92	54.00	-13.08	AVG	150	330		



#### Test mode: 802.11n20 TX Frequency: 5180MHz, 5240MHz, 5745MHz, 5825MHz

ATC	ACCURAT F1,Bldg,A,Ch Science & Ind	angyuan Ne	ew Material	Port Ke	yuan Rd	,			Chamber -26503290 5-26503396
Job No.: star2018 #2094	1			F	<sup>o</sup> larizati	on: H	-lorizont	al	
Standard: FCC PK				F	ower Sc	ource:	DC 12\	/	
Test item: Radiation Tes	st			C	ate: 201	8/06/22	2		
Temp.( C)/Hum.(%) 23	C / 48 %			т	ime: 18:	45: <b>1</b> 4			
EUT: UP-Android 7	module			E	ngineer	Signat	ure: st	ar	
Mode: TX 5180MHz(8	02.11n)			C	)istance:	3m			
Model: UPA000AN									
Manufacturer: CTOUCH	Europe B.V.								
Note: Report No.:ATE2									
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0.0 5030.000								5230.0	MHz
	1			5					
NO. (MHz) (dBu	ading Factor uV/m) (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
A CONTRACTOR CONTRACTOR CONTRACTOR	0.84 6.39	47.23	74.00	-26.77	peak	150	3 <mark>1</mark> 8		
2 5150.000 31	6.39	37.66	54.00	-16.34	AVG	150	320		

A	ТС								Re	-	ATE201807 ge 115 of 1
A	TC®	F1	,Bldg,A,Ch	<b>TE TECH</b> nangyuan Ne dustry Park,N	ew Material	Port Key	yuan Rd	,		+86-0755	Chamber 5-26503290 5-26503396
J <mark>ob N</mark> c	o.: star2018 #2	2093				P	olarizati	on: \	/ertical		
Standa	ard: FCC PK					P	ower Sc	urce:	DC 12\	/	
Test ite	em: Radiatior	n Test				D	ate: 201	8/06/2	2		
Temp.	.( C)/Hum.(%)	23 C/4	8 %			т	ime: 18:	44:29			
EUT:	UP-Andro	oid 7 module	Э			E	ngineer	Signat	ure: st	ar	
Mode:	TX 5180MH	Hz(802.11n)	)			D	istance:	3m			
Model:	: UPA000AN	1									
Manufa	acturer: CTOU	CH Europe	B.V.								
120	).0 dBu∀/m								limit1:	-	
110	,								limit1:		
100	,										
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60 50 40 30 20 10 0.0				ngbergin, Hyer, Junuar					hu hu	5230.0	MHz
60 50 40 30 20 10 0.0 5	5030.000 Freq.	Reading	Factor	Result		Margin	Detector	Height	Degree		MHz
60 50 40 30 20 10 0.0	5030.000 Freq.				Limit (dBuV/m) 74.00	Margin (dB) -26.09	Detector	Height (cm) 150		5230.0	MHz

ATC								Re	port No.: ATE201807 Page 116 of 1
ATC	F1,	Bldg,A,Ch	TE TECH nangyuan Ne dustry Park,N	ew Material	Port Ke	yuan Ro	l,		Site: 2# Chamber +86-0755-26503290 :+86-0755-26503396
Job No.: star2018 #2 Standard: FCC PK Test item: Radiation Temp.( C)/Hum.(%) EUT: UP-Androi Mode: TX 5240MH Model: UPA000AN Manufacturer: CTOUC Note: Report No.:A	2095 1 Test 23 C / 4ł id 7 module łz(802.11n) CH Europe	8 % 9 B.V.			F F C T E	Polarizat Power So Date: 20 Fime: 18 Engineer Distance	ion: H burce: 18/06/2 :46:44 Signat	2	
120.0  dBuV/m    110	water and the second							limit1: limit2:	
	Reading (dBuV/m) 40.20	Factor (dB) 6.86	Result (dBuV/m) 47.06	Limit (dBuV/m) 74.00	Margin (dB) -26.94	Detector peak	Height (cm) 150	Degree (deg.) 313	5390.0 MHz Remark
	Statute and	State States	1 1861 107020	CAN CONTRACTOR	A CONTRACT OF CONTRACT		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	15625 553	j.

ATC							Re	port No.: AT Page	E201807 117 of 1
ATC	ACCURA F1,Bldg,A,Cl Science & Inc	hangyuan Ne	ew Material	Port Ke	yuan Rd	,		Site: 2# Ch +86-0755-2 :+86-0755-2	6503290
Job No.: star2018 #2096 Standard: FCC PK Fest item: Radiation Tes Femp.( C)/Hum.(%) 23 EUT: UP-Android 7 r Mode: TX 5240MHz(80 Model: UPA000AN Manufacturer: CTOUCH E Note: Report No.:ATE20	t C / 48 % module )2.11n) Europe B.V.			F F C T E	olarizati ower So pate: 201 ime: 18: ingineer vistance:	on: \ urce: 8/06/2: 47:37 Signat	2		
120.0 dBuV/m 110 100 90 80 70							limit1: limit2:		
60	<b>X</b>	M	- Office and the second and	un and and a second		1 1 2 0	enstruitenen strakfunnes		
50 Harman Sanda	V/m) (dB)	Result (dBuV/m) 46.99	Limit (dBuV/m) 74.00	Margin (dB) -27.01	Detector	Height (cm)	Degree (deg.) 323	5390.0 Mi	Hz

									Re	-	ATE201807 Ige 118 of 1
A	<b>IC</b> <sup>®</sup>	F1	,Bldg,A,Ch	TE TECH nangyuan Ne dustry Park,I	ew Material	Port Ke	yuan Ro	l,		+86-0755	Chamber 5-26503290 5-2650339
Job No.:	star2018 #	<sup>‡2106</sup>				F	Polarizat	ion: H	-lorizont	al	
Standard	d: FCC PK					F	ower So	ource:	DC 12\	/	
Test iten	n: Radiatio	n Test				0	Date: 20	18/06/2	2		
Temp.(	C)/Hum.(%	) 23 C/4	8 %			Г	Time: 18	:59:41			
EUT:	UP-Andr	oid 7 module	e			E	Ingineer	Signat	ure: st	ar	
Mode:	TX 5745M	Hz(802.11n	)			0	Distance	3m			
Model:	UPA000AI										
Manufac	turer: CTO	UCH Europe	B.V.								
Note:	Report No.:	ATE201807	86								
120.0	dBu¥/m										
110									limit1: limit2:		
110											
100											
100											
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90 80 70 60 50 40 30	5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4					1			M		
90 80 70 60 50 40 30 20						1					
90 80 70 60 50 40 30 20 10	95.000					1			M		MHz
90 80 70 60 50 40 30 20 10 0.0 555		Reading	Eactor	Recult		1. 3M		Hoinh	Degrees		MHz
90 80 70 60 50 40 30 20 10	95.000 Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	1 344	Detector	Height (cm)	Degree (deg.)	5795.0	MHz
90 80 70 60 50 40 30 20 10 0.0 555	Freq.										MHz
90 80 70 60 50 40 30 20 10 0.0 55 8	Freq. (MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	peak	(cm)	(deg.)		MHz
90 80 70 60 50 40 30 20 10 0.0 555 No.	Freq. (MHz) 5715.000	(dBuV/m) 40.25	(dB) 7.59	(dBuV/m) 47.84	(dBuV/m) 74.00	(dB) -26.16	peak AVG	(cm) 150	(deg.) 327		MHz

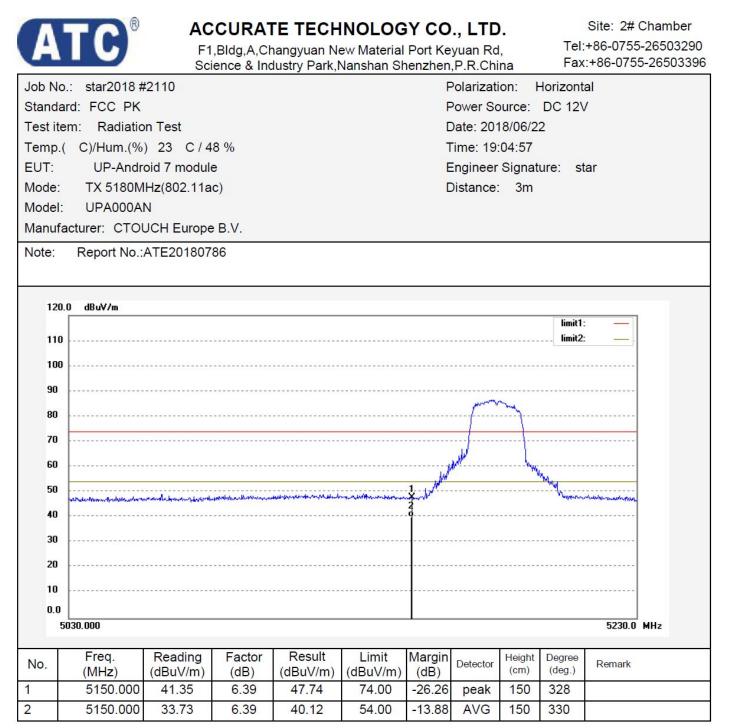
ATC	Report No.: ATE20180786 Page 119 of 164
ACCURATE TECHNOLOGY CO., LTD. F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.Chin	Tel:+86-0755-26503290
	urce: DC 12V
Test item:Radiation TestDate: 2018Temp.(C)/Hum.(%)23C / 48 %Time: 18:5EUT:UP-Android 7 moduleEngineer S	58:57
Mode:  TX 5745MHz(802.11n)  Distance:    Model:  UPA000AN    Manufacturer:  CTOUCH Europe B.V.	
Note: Report No.:ATE20180786	
110      100      90      90      80      70      60      50      40      30      20	
10 0.0 5595.000	5795.0 MHz
NO. (MHz) (dBuV/m) (dB) (dBuV/m) (dB) <sup>Detector</sup>	Height Degree (cm) (deg.) Remark
The second s	150      278        150      327
3 5725.000 48.99 7.65 56.64 74.00 -17.36 peak	150 329
4 5725.000 40.06 7.65 47.71 54.00 -6.29 AVG	150 327

ATC	9								Rej	port No.: ATE20180786 Page 120 of 164
AT	B®	F1,	,Bldg,A,Ch	TE TECH nangyuan Ne dustry Park,N	ew Material	Port Ke	yuan Rd	l,	Tel:	Site: 2# Chamber +86-0755-26503290 ::+86-0755-26503396
Mode: TX Model: UP Manufacturer:	CC PK Radiation Hum.(%) P-Andro 5825MF 2A000AN : CTOU	2107 n Test 23 C / 48 bid 7 module Hz(802.11n)	8 % e ) B.V.			F F C T E	Polarizati Power Sc Date: 201 Fime: 19: Engineer Distance:	ion: H burce: 18/06/22 :01:24 Signati	2	
120.0 dBux 110 100 90 80 70	//m								limit1: limit2:	
60			and the second second second	poord		Lunder	2 	fra		
0.0	10	1					I			5875.0 MHz
2 585		Reading (dBuV/m) 40.34 31.84 40.26	Factor (dB) 8.25 8.25 8.25 8.28	Result (dBuV/m) 48.59 40.09 48.54	Limit (dBuV/m) 74.00 54.00 74.00	Margin (dB) -25.41 -13.91 -25.46	Detector peak AVG peak	Height (cm) 150 150 150	Degree (deg.) 328 330 312	Remark

ATC								Re	port No.: ATE20180786 Page 121 of 164
(ATC)	F1	,Bldg,A,Cł	TE TECH nangyuan Ne dustry Park,N	ew Material	Port Ke	yuan Rd	,	Tel:	Site: 2# Chamber +86-0755-26503290 :+86-0755-26503396
Mode: TX 58251 Model: UPA000/ Manufacturer: CTC	#2108 on Test 6) 23 C / 4 roid 7 module MHz(802.11n	8 % e ) B.V.			F F C T E	Polarizati Power Sc Date: 201 Time: 19: Engineer Distance:	on: \ ource: 18/06/2: 02:08 Signat	2	
120.0 dBu¥/m 110 100 90								limit1: limit2:	
80         70         60         50         40         30	an managing for the second	where we want	jung d		La way	Mun Mut	hamberguudes	*	
20 10 0.0 5775.000	Reading	Factor	Result	Limit	Margin	Detector	Height	Degree	5875.0 MHz
(MHZ) 1 5850.000 2 5850.000	33.41	(dB) 8.25 8.25	(dBuV/m) 50.34 41.66	(dBuV/m) 74.00 54.00	(dB) -23.66 -12.34	peak AVG	(cm) 150 150	(deg.) 321 320	
3 5860.000 4 5860.000		8.28 8.28	41.85 50.45	74.00 74.00	-32.15 -23.55	peak AVG	150 150	128 130	



#### Test mode: 802.11ac 20MHz TX Frequency: 5180MHz, 5240MHz, 5745MHz, 5825MHz

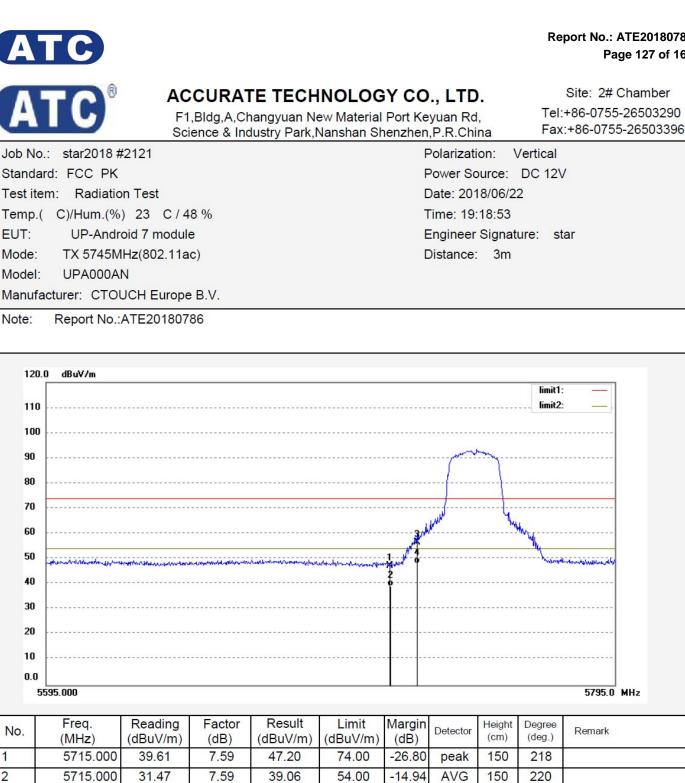


ATC							Re	port No.: ATE20180786 Page 123 of 164
ATC	ACCURA F1,Bldg,A,Cl Science & Inc	hangyuan Ne	ew Material	Port Ke	yuan Rd	,		Site: 2# Chamber +86-0755-26503290 :+86-0755-26503396
Job No.: star2018 #2109 Standard: FCC PK Test item: Radiation Test Temp.( C)/Hum.(%) 23 EUT: UP-Android 7 Mode: TX 5180MHz(80 Model: UPA000AN Manufacturer: CTOUCH	st C / 48 % module 02.11ac)			F C T E	Polarizati Power Sc Date: 201 Time: 19: Engineer Distance:	ource: 8/06/2 04:06 Signat	2	
Note: Report No.:ATE2							limit1: limit2:	
90 80 70 60				Jack Mark	for the second s		MAN NAN NAN NAN NAN NAN NAN NAN NAN NAN	
40 30 20 10								
	ading Factor JV/m) (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	5230.0 MHz Remark
	2.05 6.39	48.44	74.00	-25.56	peak	150	184	

ATC							Re	port No.: A Pag	TE2018078 Je 124 of 10
ATC	ACCURAT F1,Bldg,A,Ch Science & Inc	nangyuan Ne	ew Material	Port Ke	yuan Rd	,		Site: 2# 0 +86-0755- :+86-0755	26503290
Job No.: star2018 #2111 Standard: FCC PK Test item: Radiation Test Temp.( C)/Hum.(%) 23 EUT: UP-Android 7 n Mode: TX 5240MHz(80) Model: UPA000AN Manufacturer: CTOUCH E Note: Report No.:ATE20	t C / 48 % nodule 2.11ac) turope B.V.			F F C T E	Polarizati Power Sc Date: 201 Time: 19: Engineer Distance:	on: F ource: 8/06/22 06:33 Signat	2		
120.0 dBuV/m 110 100							limit1: limit2:		
80    70    60    50    40    30    20	La				*****	1			
10		Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	<b>5390.0</b> Remark	MHz
1 5350.000 40.3	26 6.86	47.12	74.00	-26.88	peak	150	329		

Α	TC								Re	-	ATE2018078 ge 125 of 10
A	TC	F1	,Bldg,A,Ch	TE TECH nangyuan Ne dustry Park,N	ew Material	Port Ke	yuan Rd	,		+86-0755	Chamber -26503290 5-26503396
Standa Test ite Temp. EUT: Mode: Model:	TX 5240M	n Test ) 23 C / 4 bid 7 modul Hz(802.11a N JCH Europe	e c) e B.V.			F C T E	Polarizati Power Sc Date: 201 Time: 19: Engineer Distance:	ource: 8/06/2 07:08 Signat	2	/ tar	
120 110 100	)								limit1: limit2:		
90 80 70 60		jugh und									
50 40	adadara merina at di terdit.			- Universite Superior	and method and and a second	4.4.4.5.1.1.7.7.4.1.7.2.6.1	htware	2	udalper og der Madfard	wheelson and	
30 20											
20 10 0.0 t	5190.000 Freq.	Reading	Factor	Result	Limit	Margin	Detector	Height	Degree	5390.0	MHz
20 10 0.0	5190.000	Reading (dBuV/m) 40.97	Factor (dB) 6.86	Result (dBuV/m) 47.83	Limit (dBuV/m) 74.00	Margin (dB) -26.17	Detector	Height (cm) 150	Degree (deg.) 328	5390.0 Remark	MHz

Α	TC								Re	port No.: ATE20180 Page 126 of <sup>2</sup>
	B	AC	CURA	ГЕ ТЕСН	NOLOG	Y CO	., LTD			Site: 2# Chamber
A	TC	F1	,Bldg,A,Cl	hangyuan N dustry Park,I	ew Material	Port Ke	yuan Rd	,		+86-0755-2650329
Job No	o.: star2018 #			addiry Farit,			Polarizati		orizont	al
Standa	ard: FCC PK					F	Power So			
Test ite	em: Radiatio	n Test				[	Date: 201	8/06/2	2	
Temp.	( C)/Hum.(%	) 23 C/4	8 %			1	Fime: 19:	19:45		
EUT:		oid 7 module				E	Engineer	Signat	ure: st	ar
Mode:	TX 5745M	Hz(802.11a	c)				Distance:			
Model:										
Manufa	acturer: CTO	JCH Europe	B.V.							
120	).0 dBu∀/m									
120									limit1:	
110	):								limit2:	· · · · · ·
100										
90										
80							and a	man		
70										
60						3.	M	Will		
50	And the man and the second shall not	humana	understendenter	whatnessimus	Amondan maler in Less	Jan Martin	<b>р.</b> 		W My Whener when	materies
40						- <del>0</del>				
30										
20										
10										
0.0 נ	5595.000									5795.0 MHz
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5715.000	39.36	7.59	46.95	74.00	-27.05	peak	150	38	
2	5715.000	31.47	7.59	39.06	54.00	- <mark>14.9</mark> 4	AVG	150	30	
3	5725.000	46.10	7.65	53.75	74.00	-20.25	peak	150	328	
	5725.000	38.62	7.65	46.27						



5725.000

5725.000

48.80

40.56

7.65

7.65

56.45

48.21

74.00

54.00

-17.55

-5.79

150

150

peak

AVG

327

330

3

4

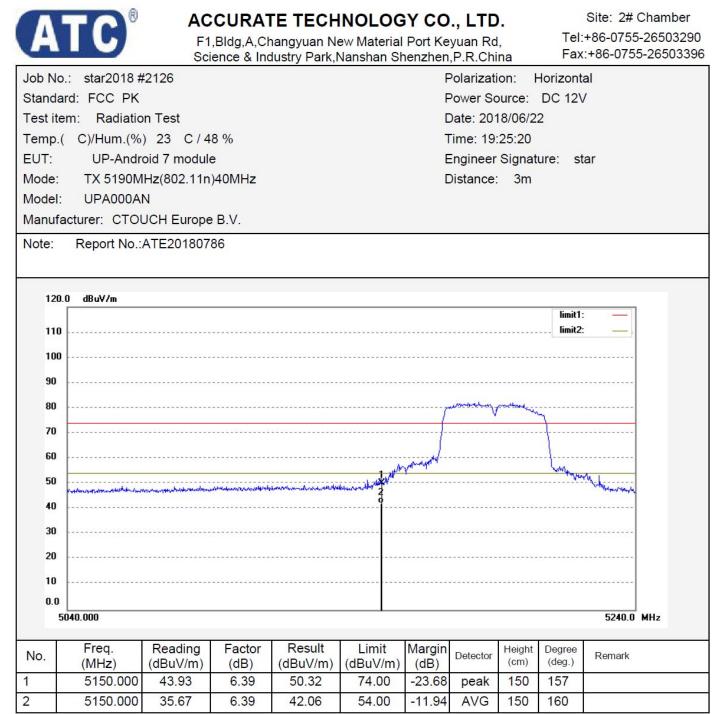
Mode: TX Model: UP Manufacturer	ar2018 # FCC PK Radiatic /Hum.(% UP-Andr X 5825M PA000A er: CTO port No.:	F1 Sci 2123 on Test ) 23 C / 4 oid 7 module IHz(802.11a N	,Bldg,A,Ch ence & Inc 8 % e c) e B.V.	TE TECH hangyuan Ne dustry Park,I	ew Material	Port Ke <u>nenzhen</u> F F I E	yuan Rd	, on: H ource: 18/06/22 21:18 Signati	Fax Horizonta DC 12V 2	/ tar	503290
Standard:    FC      Test item:    F      Temp.(    C)/H      EUT:    U      Model:    UF      Model:    UF      Manufacturer      Note:    Rep      110	CC PK Radiatic /Hum.(% UP-Andr X 5825M PA000A er: CTOI port No.:	#2123 on Test ) 23 C / 4 oid 7 module IHz(802.11a N JCH Europe	8 % e c) ≽ B.V.			F F C T E	Polarizati Power Sc Date: 201 Time: 19: Engineer	on: F ource: 8/06/22 21:18 Signati	DC 12V 2 ure: st	/ tar	
120.0 dBu 110											
60 50 40 30 20				Juntuaria	and many and	\					
			rihopinettowned	punt		- Unin united	144 (m. 1.1) 2 1				
0.0 5775.000		Desding	Feeter	Desult	1 ::4	1				5875.0 MH:	2
INO. (MI	req. 1Hz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
and a second		40.38	8.25	48.63	74.00	-25.37	peak	150	189		
	850.000	27 07	8.25	40.32 48.68	54.00	-13.68	AVG	150	190		
3 58 4 58	850.000 850.000 860.000	32.07 40.40	8.28	18 69	74.00	-25.32	peak	150	329		

Α	TC								Rej	=	TE20180786 Je 129 of 164
A	TC	F1,	,Bldg,A,Ch	TE TECH hangyuan Ne lustry Park,N	ew Material	Port Ke	yuan Rd	,	Tel:		Chamber -26503290 -26503396
Standa Test ite Temp. EUT: Mode: Model	TX 5825MH	2124 n Test 23 C / 4 id 7 module Hz(802.11ac I ICH Europe	8 % e c) B.V.			F F C T E	Polarizati Power Sc Date: 201 Time: 19: Engineer Distance:	on: V ource: 8/06/22 22:01 Signatu	2	/ tar	
110 100 90 80 70	265								limit1: limit2:		
60 50		in the stand and and and and and and and and and	AMANINA PARAMAN				Mun Malling		3		
40 30 20 10 0.0							20	14 <sup>27</sup> 1 <sub>4</sub> 040000, 22	4 0		
30 20 10 0.0	5775.000	Deading	Eactor	Bacult	Limit	Marain	20			5875.0	MHz
30 20 10 0.0 1	5775.000 Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	5875.0 Remark	MHz
30 20 10 0.0 2 10 10	5775.000 Freq. (MHz) 5850.000	(dBuV/m) 42.21	(dB) 8.25	(dBuV/m) 50.46	(dBuV/m) 74.00	(dB) -23.54	peak	(cm) 150	(deg.) 322		MHz
30 20 10 0.0 1	5775.000 Freq. (MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)		(cm)	(deg.)		MHz



#### Test mode: 802.11N 40MHz TX H

#### TX Frequency: 5190MHz, 5230MHz, 5755MHz, 5795MHz



Test item:    Radiation Test    Date: 201      Temp.(    C)/Hum.(%)    23    C / 48 %      EUT:    UP-Android 7 module    Engineer      Mode:    TX 5190MHz(802.11n)40MHz    Distance:      Model:    UPA000AN    Manufacturer:    CTOUCH Europe B.V.      Note:    Report No.:ATE20180786    Image: Comparison of the second of the secon	Tel:+86-0755-26503290 a Fax:+86-0755-26503390 n: Vertical urce: DC 12V 8/06/22 24:30 Signature: star
Standard: FCC PK    Power So      Test item:    Radiation Test    Date: 201      Temp.(    C)/Hum.(%)    23    C / 48 %    Time: 19::      EUT:    UP-Android 7 module    Engineer      Mode:    TX 5190MHz(802.11n)40MHz    Distance:      Model:    UPA000AN    Manufacturer:    CTOUCH Europe B.V.      Note:    Report No.:ATE20180786    Image: Comparison of the second of the se	urce: DC 12V 3/06/22 24:30 Signature: star 3m
120.0 dBuV/m 110 100 90 80 70 60	limit1: —
80 70 60	limit2:
	the second se
50	
5040.000    No.  Freq. (MHz)  Reading (dBuV/m)  Factor (dB)  Result (dBuV/m)  Limit (dBuV/m)  Margin (dB)	5240.0 MHz
(MH2)      (dBdv/m)      (dBdv/m) <t< td=""><td>Height Degree (cm) (deg.) Remark</td></t<>	Height Degree (cm) (deg.) Remark

ATC							Re	port No.: ATE20180786 Page 132 of 164
ATC	ACCURA F1,Bldg,A,Cl Science & Ind	hangyuan Ne	ew Material	Port Ke	yuan Rd	,		Site: 2# Chamber +86-0755-26503290 :+86-0755-26503396
Job No.: star2018 #212 Standard: FCC PK Test item: Radiation T Temp.( C)/Hum.(%) 2 EUT: UP-Android Mode: TX 5230MHz( Model: UPA000AN Manufacturer: CTOUCH Note: Report No.:ATE	est 3 C / 48 % 7 module 802.11n)40MHz H Europe B.V.			F [ 7 E	Polarizati Power Sc Date: 201 Fime: 19: Engineer Distance:	ource: 8/06/2 26:52 Signat	2	
120.0 dBuV/m 110 100 90 80							limit1: Limit2:	
70	North Contraction			rta			Martoda	5360.0 MHz
INO.      (MHz)      (dE)        1      5350.000      3	eading Factor BuV/m) (dB) 39.91 6.86	Result (dBuV/m) 46.77	Limit (dBuV/m) 74.00	Margin (dB) -27.23	Detector peak	Height (cm) 150	Degree (deg.) 329	Remark
2 5350.000 3	6.86	38.73	54.00	-15.27	AVG	150	330	