





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

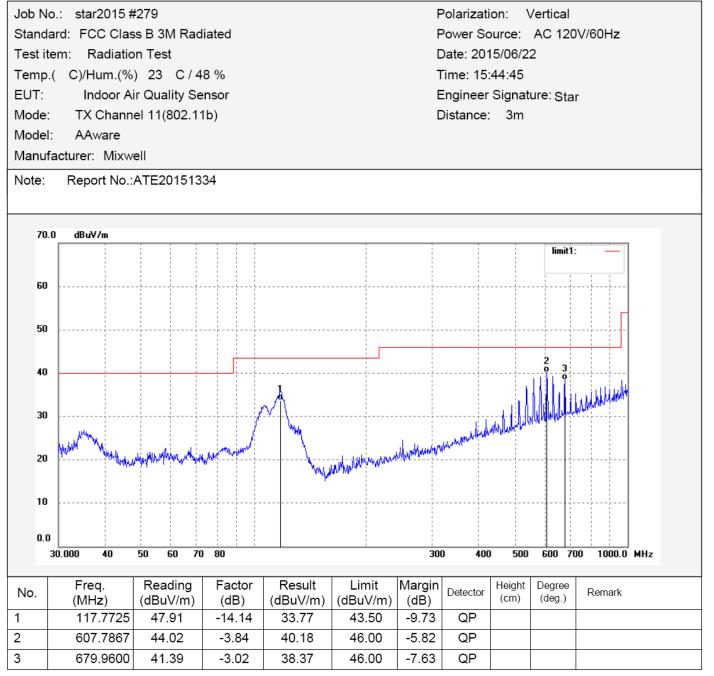
ob No	o.: star2015 #	<i>‡</i> 280				F	Polarizati	on: H	lorizor	ntal		
	ard: FCC Clas		iated				Power Sc	17 MAN - N			/60Hz	
	em: Radiatio						Date: 201					
	(C)/Hum.(%		8 %				Time: 15:		9			
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	acturer: Mixw	ell										
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	Freq.	Reading	Factor	Result	Limit	Margin	Detector	Height	Degree	e	Domort	
No.	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)		(cm)	(deg.)		Remark	
	118.1861	44.10	-14.15	29.95	43.50	-13.55						
	584.7894	40.50	-4.09	36.41	46.00	-9.59	QP					
	656.5299	40.16	-3.31	36.85	46.00	-9.15	QP					







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





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ACCURATE TECHNOLOGY CO., LTD.

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

en en		Sc	ience & Inc	dustry Park,I	Vanshan Sh	enzhen	,P.R.Chi	na	Fax	:+86-0755-2650339
ob No	.: STAR #22	84				F	Polarizati	ion: H	lorizonta	al
Standa	rd: FCC Clas	s B 3M Rad	liated			F	Power Sc	ource:	AC 120	V/60Hz
est ite	em: Radiatio	n Test				0	Date: 15/	06/23/		
emp.(C)/Hum.(%) 25 C/5	5 %			Г	[ime: 9/1	8/33		
UT:	Indoor Ai	r Quality Se	ensor			E	Engineer	Signat	ure: S	TAR
/lode:	TX Channe	el 1(802.11k	o)			0	Distance:	3m		
/lodel:	AAware									
/lanufa	acturer: Mixw	ell								
lote:	Report No.:.	ATE201513	34							
80.0	dBuV/m								limit1:	_
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			Easten	Result	Limit	Margin	Detector	Height	Degree	Remark
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	(dBuV/m)	(dBuV/m)	(dB)	Dotoctor	(cm)	(deg.)	
No.					(dBuV/m) 74.00	(dB) -26.54	peak	(cm)	(deg.)	5-85049.02723094







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

ob No	.: STAR #23	04				F	Polarizati	on: \	/ertical	
tanda	rd: FCC Clas	s B 3M Rac	liated			F	Power So	ource:	AC 120	V/60Hz
est ite	em: Radiatio	n Test				0	Date: 15/	06/23/		
emp.(C)/Hum.(%) 25 C/5	55 %			Г	Time: 9/1	4/13		
UT:	Indoor A	ir Quality Se	ensor			E	Engineer	Signat	ure: S	TAR
lode:		el 1(802.11k					Distance:			
lodel:	AAware		а.							
lanufa	acturer: Mixw	ell								
ote:	Report No.:	ATE201513	34							
80.0	dBu¥/m								limit1:	
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lo.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
	15265.885	34.38	11.54	45.52	74.00	-28.48	peak			







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

Job N	o.: STAR #22	85		•		F	Polarizati	ion: H	Horizonta	al
Stand	ard: FCC Clas	s B 3M Rad	diated			F	Power So	ource:	AC 120	V/60Hz
Test if	tem: Radiatio	n Test				[Date: 15/	06/23/		
Temp	.(C)/Hum.(%) 25 C/5	55 %			-	Time: 9/2	23/09		
EUT:	Indoor A	ir Quality Se	ensor			E	Engineer	Signat	ure: S	TAR
Mode	TX Chann	el 6(802.11	b)			[Distance:	3m		
Mode	: AAware									
Vanu	facturer: Mixw	ell								
Note:	Report No.:	ATE201513	334							
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80	.0 dBu∀/m								limit1:	
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	1000.000	20	000	3000	500	0 6000	7000 8000	9000		18000.0 MHz
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
	()	, ,	. ,	46.85	74.00	-27.15	noak			
	14160.705	35.61	11.24	40.00	74.00	-27.15	peak			







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

Job No	.: STAR #22	86				F	Polarizati	on: \	/ertical		
Standa	rd: FCC Clas	s B 3M Rad	liated			F	Power So	ource:	AC 120	V/60Hz	
Test ite	em: Radiatio	n Test				[Date: 15/	06/23/			
Temp.(C)/Hum.(%)) 25 C/5	5 %			-	Time: 9/2	7/59			
EUT:	Indoor Ai	ir Quality Se	ensor			I	Engineer	Signat	ure: S	TAR	
Mode:	TX Channe	el 6(802.11k))			ſ	Distance:	3m			
Model:	AAware										
Manufa	acturer: Mixwe	ell									
Note:	Report No.:	ATE201513	34								
	1,250 										
80.0	dBuV/m										
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No.	Freq.	Reading	Factor	Result	Limit	Margin	Detector	Height	Degree	Remark	
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)		(cm)	(deg.)	, comany	
1	11906.073	39.93	6.41	46.34	74.00	-27.66	<u>.</u>				
2	11906.073	27.90	6.41	34.31	54.00	-19.69	peak				







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

ob No.	.: STAR #22	88				F	Polarizat	ion: H	lorizonta	al	
Standa	rd: FCC Clas	s B 3M Rad	liated			F	Power So	ource:	AC 120	V/60Hz	
est ite	m: Radiatio	n Test				0	Date: 15/	06/23/			
emp.(C)/Hum.(%) 25 C/5	5 %			Г	Fime: 9/3	3/20			
UT:	Indoor Ai	ir Quality Se	ensor			E	Engineer	Signat	ure: S	TAR	
/lode:	TX Chann	el 11(802.11	1b)			0	Distance	3m			
/lodel:	AAware										
/lanufa	cturer: Mixw	ell									
lote:	Report No.:	ATE201513	34								
	10.111										
80.0	dBu∀/m								limit1:		
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No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
	11906.073	(uBu V/III) 39.87	(ub) 6.41	46.28	74.00	-27.72	peak	(only	(409.)		
	11906.073	29.64	6.41	36.05	54.00	-17.95	18				
10 A	11000.075	20.04	0.71	00.00	04.00	17.00	peak				







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

b No.	: STAR #22	87				F	Polarizati	ion: \	/ertical		
anda	rd: FCC Clas	s B 3M Rad	diated			F	Power So	ource:	AC 120	V/60Hz	
est ite	m: Radiatio	n Test				[Date: 15/	06/23/			
emp.(C)/Hum.(%) 25 C/5	55 %			-	Time: 9/3	80/42			
JT:	Indoor Ai	ir Quality Se	ensor			E	Engineer	Signat	ure: S	TAR	
ode:		el 11(802.1					Distance:				
odel:	AAware	• (1996) - 1996 (1997)									
anufa	cturer: Mixw	ell									
ote:	Report No.:.	ATE201513	334								
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0.0	00.000	21	000	3000	5000	6000	7000 8000	9000		18000.0 MHz	
	1	D I	Factor	Result	Limit	Margin	Detector	Height	Degree	Remark	
o.	Freq. (MHz)	Reading (dBuV/m)					Detector	(cm)	(deg.)	Remark	
o.	Freq. (MHz) 15577.899	(dBuV/m) 35.14	(dB)	(dBuV/m) 46.44	(dBuV/m) 74.00	(dB) -27.56	Detector	(cm)	(deg.)	Remark	





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

		Sci	ence & Inc	dustry Park,I	Nanshan Sh	nenzhen	,P.R.Chi	, na	Fax	:+86-0755-2650339
ob No	.: STAR #22	89				F	Polarizati	ion: H	lorizonta	al
Standa	rd: FCC Clas	s B 3M Rad	iated			F	Power So	ource:	AC 120	V/60Hz
est ite	em: Radiatio	n Test				0	Date: 15/	06/23/		
emp.(C)/Hum.(%)) 25 C/5	5 %			Г	- ime: 9/3	87/06		
UT:	Indoor Ai	r Quality Se	nsor			E	Engineer	Signat	ure: S	TAR
/lode:	TX Channe	el 1(802.11g)			0	Distance:	3m		
/lodel:	AAware									
/lanufa	acturer: Mixwe	ell								
lote:	Report No.:,	ATE2015133	34							
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lo.	Freq.	Reading	Factor	Result	Limit	Margin	Detector	Height	Degree	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)			(cm)	(deg.)	, comain
	12798.243	38.23	7.60	45.83	74.00	-28.17	peak			
	12798.243	27.67	7.60	35.27	54.00	-18.73	peak			







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

ob No	.: STAR #22	90				F	Polarizati	on: \	/ertical	
tanda	rd: FCC Clas	s B 3M Rad	diated			F	Power Sc	ource:	AC 120	V/60Hz
est ite	m: Radiatio	n Test			[Date: 15/	06/23/			
emp.(C)/Hum.(%) 25 C/5	55 %			-	Time: 9/4	1/54		
UT:		ir Quality Se				E	Engineer	Signat	ure: S	TAR
lode:		el 1(802.11					Distance:			
lodel:		,								
lanufa	cturer: Mixw	ell								
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1	000.000	21	000	3000	5000	6000	7000 8000 9	9000		18000.0 MHz
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
		34.82	11.79	46.61	74.00	-27.39	peak			
	16174.372	34.02	11.79	40.01	74.00	21.00	peak			







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

ob No	.: STAR #22	92				F	Polarizati	on: H	lorizonta	al
tanda	rd: FCC Clas	s B 3M Rad	liated			F	Power Sc	ource:	AC 120	V/60Hz
est ite	em: Radiatio	on Test				C)ate: 15/	06/23/		
emp.((C)/Hum.(%) 25 C/5	55 %			Т	ime: 9/4	8/47		
UT:	Indoor A	ir Quality Se	ensor			E	Engineer	Signat	ure: S	TAR
lode:	TX Chann	el 6(802.11g	g)			C	Distance:	3m		
lodel:	AAware									
lanufa	acturer: Mixw	ell								
lote:	Report No.:	ATE201513	34							
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1	000.000	20	000	3000	5000	6000 7	7000 8000 9	9000		18000.0 MHz
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
6	14450.131	33.47	12.73	46.20	74.00	-27.80	peak			







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

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lote:	Report No.:/	ATE201513	34							
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No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
	13173.558	37.07	8.28	45.35	74.00	-28.65	peak			
	13173.558	27.66	8.28	35.94	54.00	-18.06	peak			







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

lob No	.: STAR #22	93				F	Polarizati	on: H	lorizont	al	
Standa	rd: FCC Clas	s B 3M Rad	liated			F	Power Sc	ource:	AC 120)V/60Hz	
est ite	em: Radiatio	n Test				0	Date: 15/	06/23/			
emp.(C)/Hum.(%) 25 C/5	5 %			г	Fime: 9/5	2/34			
EUT:	Indoor Ai	ir Quality Se	ensor			E	Engineer	Signat	ure: S	TAR	
/lode:		el 11(802.11					Distance:				
/lodel:											
/lanufa	acturer: Mixw	ell									
Note:	Report No.:.	ATE201513	34								
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No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
	13288.284	36.41	8.56	44.97	74.00	-29.03	peak				
2	13288.284	25.66	8.56	34.22	54.00	-19.78	•				
	15200.204	20.00	0.50	57.22	54.00	-19.70	peak				







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

Standar Test iter		is B 3M Rac in Test	55 % ensor			F [-	Polarizati Power Sc Date: 15/ Time: 9/5 Engineer Distance:	ource: 06/23/ 56/19 Signatu	AC 120		
Manufa	cturer: Mixw	ell									
Note:	Report No.:	ATE201513	34								
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0.0	00.000	20	000	3000	5000	6000	7000 8000	9000		18000.0	MHz
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	16362.457	34.79	12.01	46.80	74.00	-27.20					
2	16362.457	33.67	12.01	45.68	54.00	-8.32	peak				







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

ob Nc	.: STAR #22	96				F	Polarizati	ion: H	Iorizonta	al			
tanda	ard: FCC Clas	s B 3M Rad	liated		F	Power Sc	ource:	AC 120	V/60Hz				
est ite	em: Radiatio	n Test					Date: 15/	06/23/					
emp.	(C)/Hum.(%) 25 C/5	5 %			Т	Time: 10/	/04/48					
UT:	Indoor Ai	ir Quality Se	ensor			E	Engineer Signature: STAR						
lode:	TX Chann	el 1(802.11r	n20)			0	Distance:	3m					
lodel:	AAware												
lanufa	acturer: Mixw	ell											
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No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark			
	13797.088	36.73	9.87	46.60	74.00	-27.40	peak						
	10101.000		1000000			A CONTRACTOR OF A CONTRACT OF							







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

Job No	.: STAR #22	95				F	Polarizati	on: \	/ertical			
Standa	rd: FCC Clas	s B 3M Rad	liated		F	Power Source: AC 120V/60Hz						
Test ite	em: Radiatio	n Test			[Date: 15/	06/23/					
Temp.(C)/Hum.(%) 25 C/5	55 %			-	Time: 10/	/01/11				
EUT:		, ir Quality Se				E	Engineer	Signat	ure: S [.]	TAR		
Mode:		el 1(802.11					Distance:	-				
Model:												
Manufa	acturer: Mixw	ell										
Note:	Report No.:	ATE201513	34									
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No.	Freq.	Reading	Factor	Result	Limit	Margin	Detector	Height (cm)	Degree (deg.)	Remark		
1	(MHz) 16315.231	(dBuV/m) 34.85	(dB) 11.95	(dBuV/m) 46.80	(dBuV/m) 74.00	(dB) -27.20	peak		(uey.)			
2	16315.231	24.31	11.95	36.26	54.00	-27.20	•					
۷	10315.231	24.31	11.95	30.20	54.00	-17.74	peak					







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

ob No	.: STAR #22	97				F	Polarizati	on: H	lorizonta	al		
Standa	rd: FCC Clas	s B 3M Rad	diated		F	Power Sc	ource:	AC 120	V/60Hz			
est ite	m: Radiatio	n Test			0	Date: 15/	06/23/					
emp.(C)/Hum.(%) 25 C/S	55 %			٦	Time: 10/	/08/47				
UT:	Indoor Ai	r Quality Se	ensor	E	Engineer Signature: STAR							
/lode:	TX Channe	el 6(802.11	n20)			[Distance:	3m				
/lodel:	AAware											
/lanufa	cturer: Mixw	ell										
lote:	Report No.:.	ATE201513	334									
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No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark		
	11140.310	40.74	5.65	46.39	74.00	-27.61	peak					
	11140.010	10.11			and the second second second	a second second second		C				







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

ob No	.: STAR #22	98				F	Polarizati	on: \	/ertical					
tanda	ard: FCC Clas	s B 3M Rad	liated			F	Power Source: AC 120V/60Hz							
est ite	em: Radiatio	n Test				0	Date: 15/	06/23/						
emp.	(C)/Hum.(%) 25 C/5	5 %			г	Time: 10/12/36							
UT:	Indoor A	ir Quality Se	ensor			E	Engineer	Signat	ure: S	TAR				
lode:	TX Chann	el 6(802.11r	n20)			0	Distance:	3m						
lodel:	AAware													
lanufa	acturer: Mixw	ell												
lote:	Report No.:.	ATE201513	34											
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No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark				
	14408.425	34.46	12.53	46.99	74.00	-27.01	peak							
					54.00	-15.17								







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

Job N	o.: STAR #23	00				F	Polarizati	on: H	lorizonta	al			
Stand	ard: FCC Clas	s B 3M Rad	liated		F	Power Source: AC 120V/60Hz							
Test i	tem: Radiatio	n Test					Date: 15/	06/23/					
Temp	.(C)/Hum.(%) 25 C/5	5 %			г	Time: 10/	/17/02					
EUT:	Indoor A	ir Quality Se	ensor	E	Engineer	Signat	ure: S	TAR					
Mode	TX Chann	el 11(802.11	1n20)			[Distance:	3m					
Mode	: AAware												
Manu	facturer: Mixw	ell											
Note:	Report No.:	ATE201513	34										
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No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark			
1	18000.000	29.11	18.80	47.91	74.00	-26.09	peak						
2	18000.000	20.90	18.80	39.70	54.00	-14.30							
					0		Peer						







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

Job I	No.: STAR #2	299				F	Polarizati	ion: \	/ertical					
Stan	dard: FCC Cla	ss B 3M Rad	diated		F	Power So	ource:	AC 120	V/60Hz					
Test	item: Radiati	on Test				[Date: 15/	06/23/						
Tem	p.(C)/Hum.(%	5) 25 C/5	55 %			٦	Time: 10/	/14/15						
EUT	: Indoor A	Air Quality S	ensor			E	Engineer Signature: STAR							
Mode	e: TX Chanr	nel 11(802.1	1n20)			[Distance:	3m						
Mode	el: AAware													
Man	ufacturer: Mixv	/ell												
Note	: Report No.	:ATE201513	334											
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No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark				
1	14119.835	. ,	11.02	45.84	74.00	-28.16	peak							
1								1						







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

Standa Test ite Temp.(EUT: Mode: Model:		s B 3M Rad n Test) 25 C / 5 ir Quality Se el 3(802.11r	55 % ensor			P D T E	Polarizati Power Sc Date: 15/ Time: 10/ Engineer Distance:	ource: 06/23/ /22/54 Signati		V/60Hz	
Note:	Report No.:.	ATE201513	34								
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No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	14618.166	33.40	12.74	46.14	74.00	-27.86	peak				
2	14618.166	24.67	12.74	37.41	54.00	-16.59	peak				







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

Job N	o.: STAR #23	02		-		F	Polarizati	on: \	/ertical			
Stand	ard: FCC Clas	s B 3M Rad	liated		F	Power Source: AC 120V/60Hz						
Test if	tem: Radiatio	n Test				[Date: 15/	06/23/				
Temp	.(C)/Hum.(%)) 25 C/5	55 %			-	Time: 10	25/41				
EUT:	Indoor A	ir Quality Se	ensor			E	Engineer	Signati	ure: S	TAR		
Mode	TX Channe	el 3(802.11r	n)40MHz			[Distance:	3m				
Mode	: AAware											
Manut	facturer: Mixw	ell										
Note:	Report No.:	ATE201513	34									
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No.	Freq.	Reading	Factor	Result	Limit	Margin	Detector	Height	Degree	Remark		
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)		(cm)	(deg.)	Kontark		
1	13365.322	36.94	8.74	45.68	74.00	-28.32	· ·					
2	13365.322	25.90	8.74	34.64	54.00	-19.36	peak					





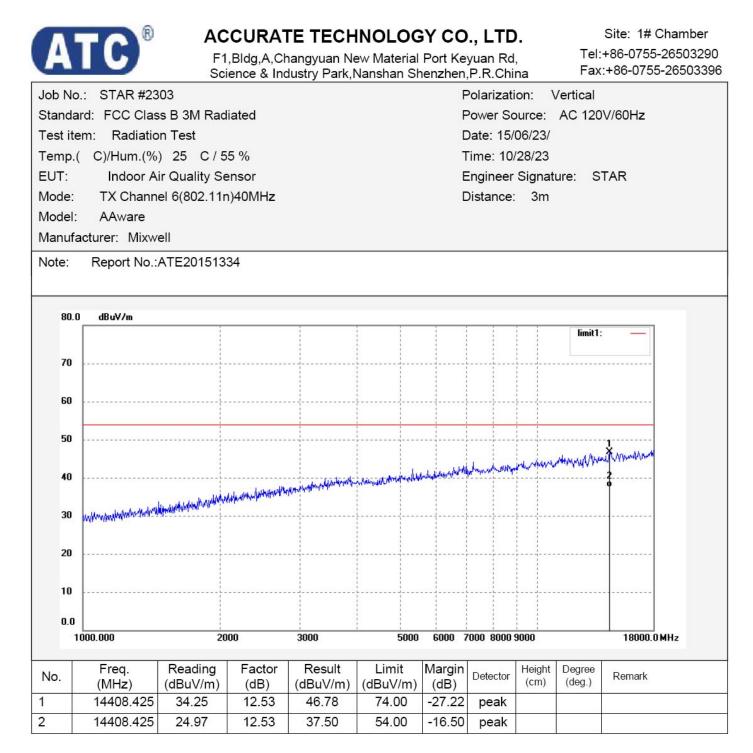


F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China

ob No	D.: STAR #23						Polarizati		lorizonta	al
tanda	ard: FCC Clas	s B 3M Rad	liated			F	Power Sc	ource:	AC 120	V/60Hz
est it	em: Radiatio	n Test				0	Date: 15/	06/23/		
emp.	(C)/Hum.(%) 25 C/5	55 %			Т	Time: 10/	/32/13		
UT:		ir Quality Se				E	Engineer	Signat	ure: S	TAR
lode:		el 6(802.11r					Distance:	-		
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lanuf	acturer: Mixw	ell								
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No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
	15265.885	34.38	11.54	45.92	74.00	-28.08	peak			
	15205.005	04.00	11.01							













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

Job N	lo.: STAR #23	05				F	Polarizati	on: H	lorizonta	al
Stand	lard: FCC Clas	s B 3M Rac	liated		F	Power Sc	ource:	AC 120	V/60Hz	
Test i	tem: Radiatio	n Test			C	Date: 15/	06/23/			
Гетр	o.(C)/Hum.(%) 25 C/5	55 %		Т	ime: 10/	/35/20			
EUT:	Indoor A	ir Quality Se	ensor			E	Engineer	Signat	ure: S ⁻	TAR
Mode	: TX Chann	el 9(802.11r	n)40MHz			C	Distance:	3m		
Mode	I: AAware									
Manu	facturer: Mixw	ell								
Note:	Report No.:	ATE201513	34							
80	0.0 dBuV/m									
									limit1:	—
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	1000.000	20	000	3000	5000	6000 7	7000 8000 9	9000		18000.0 MHz
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
			40.50	46.47	74.00	-27.53	peak			
1	14408.425	33.94	12.53	46.47	74.00	-21.55	pear			







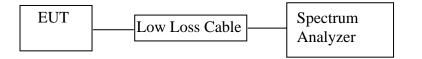
F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China

Standard: FCC Class B 3M Radiated Power Source: AC 120V/60Hz Test item: Radiation Test Date: 15/06/23/ Temp.(C)/Hum.(%) 25 C / 55 % Time: 10/39/11 EUT: Indoor Air Quality Sensor Engineer Signature: STAR Mode: TX Channel 9(802.11n)40MHz Distance: 3m Model: AAware Manufacturer: Mixwell Note: Report No.:ATE20151334	
Temp.(C)/Hum.(%) 25 C / 55 % Time: 10/39/11 EUT: Indoor Air Quality Sensor Engineer Signature: STAR Mode: TX Channel 9(802.11n)40MHz Distance: 3m Manufacturer: Mixwell Note: Report No.:ATE20151334	
EUT: Indoor Air Quality Sensor Engineer Signature: STAR Mode: TX Channel 9(802.11n)40MHz Distance: 3m Wodel: AAware Wanufacturer: Mixwell Note: Report No.:ATE20151334 80.0 dBuV/m 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 60 50 60 60 60 60 60 60 60 60 60 6	
EUT: Indoor Air Quality Sensor Engineer Signature: STAR Mode: TX Channel 9(802.11n)40MHz Distance: 3m Model: AAware Manufacturer: Mixwell Note: Report No.:ATE20151334 80.0 dBuV/m 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 60 50 60 60 60 60 60 60 60 60 60 6	
Mode: TX Channel 9(802.11n)40MHz Distance: 3m Model: AAware Manufacturer: Mixwell Note: Report No.:ATE20151334	
Model: AAware Manufacturer: Mixwell Note: Report No.:ATE20151334	
Manufacturer: Mixwell Note: Report No.:ATE20151334	
Note: Report No.:ATE20151334 80.0 dBuV/m 70	
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No. Freq. Reading Factor Result Limit Margin (MHz) (dBuV/m) (dB) (dBuV/m) (dBuV/m) (dBuV/m) (dB) Remark	
14960.120 34.89 11.98 46.87 74.00 -27.13 peak	
2 14960.120 26.67 11.98 38.65 54.00 -15.35 peak	



11.CONDUCTED SPURIOUS EMISSION COMPLIANCE TEST

11.1.Block Diagram of Test Setup



11.2. 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).

11.3.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.

11.4.Operating Condition of EUT

- 11.4.1.Setup the EUT and simulator as shown as Section 11.1.
- 11.4.2.Turn on the power of all equipment.
- 11.4.3.Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz TX frequency to transmit.



11.5.Test Procedure

- 11.5.1.The transmitter output was connected to the spectrum analyzer via a low loss cable.
- 11.5.2.Set RBW of spectrum analyzer to 100kHz and VBW to 300kHz.
- 11.5.3.The Conducted Spurious Emission was measured and recorded.

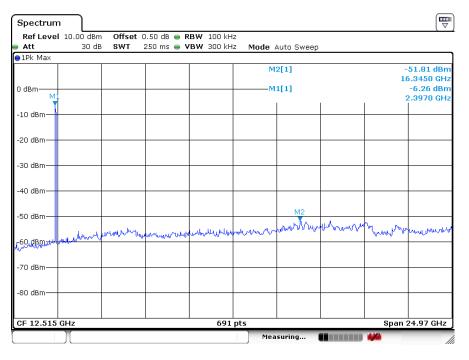
11.6.Test Result

Pass.

The spectrum analyzer plots are attached as below.

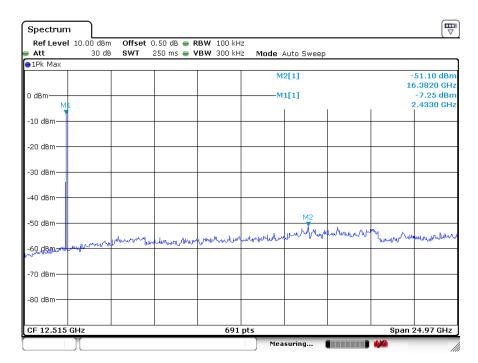


TX 802.11b Channel Low 2412MHz



Date: 26.Jun.2015 10:48:13

TX 802.11b Channel Middle 2437MHz



Date: 26.Jun.2015 10:47:00

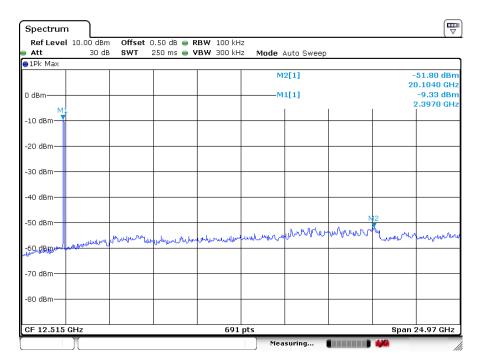


TX 802.11b Channel High 2462MHz

Spectrum Ref Level 10.00 dBm	Offset 0.50 dB	RBW 100 kH	Ηz				(\Box	
Att 30 dB	SWT 250 ms	🕳 VBW 300 kH	lz Mode /	Auto Sweep				
1Pk Max								
			M		-50.87 dBn 20.1760 GH			
) dBm			M1[1]			-8.27 dBn 2.4690 GH		
MI								
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Date: 26.Jun.2015 10:49:12

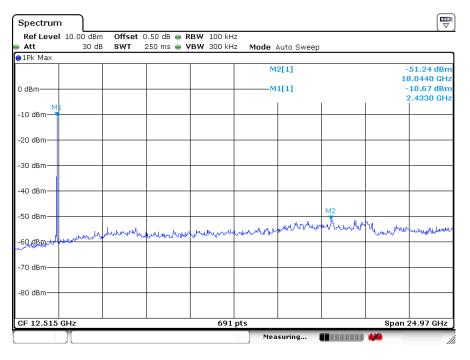
TX 802.11g Channel Low 2412MHz



Date: 26.Jun.2015 10:55:30

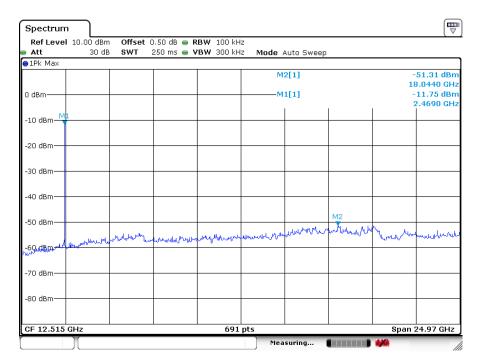


TX 802.11g Channel Middle 2437MHz



Date: 26.Jun.2015 10:53:11

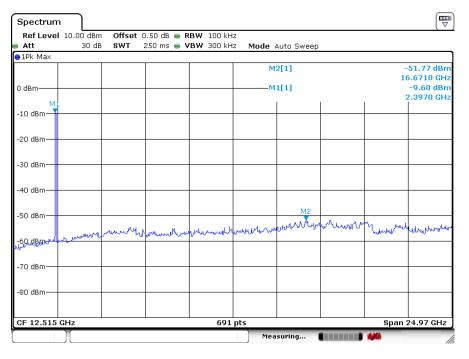
TX 802.11g Channel High 2462MHz



Date: 26.Jun.2015 10:52:12

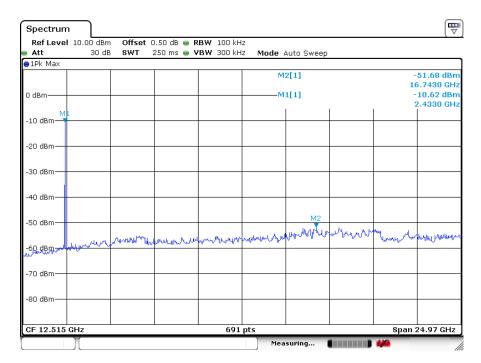


TX 802.11n Channel Low 2412MHz (20MHz)



Date: 26.Jun.2015 10:56:43

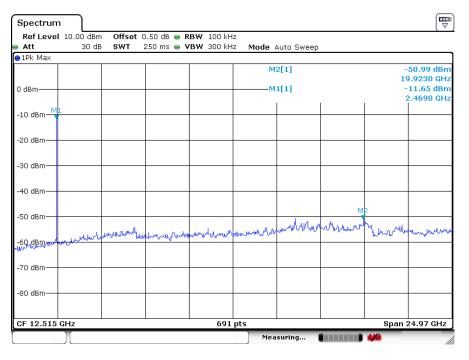
TX 802.11n Channel Middle 2437MHz (20MHz)



Date: 26.Jun.2015 10:57:29

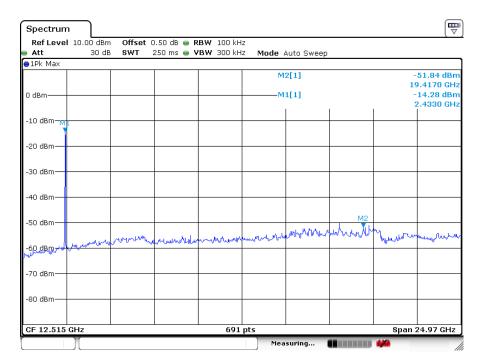


TX 802.11n Channel High 2462MHz (20MHz)



Date: 26.Jun.2015 10:59:15

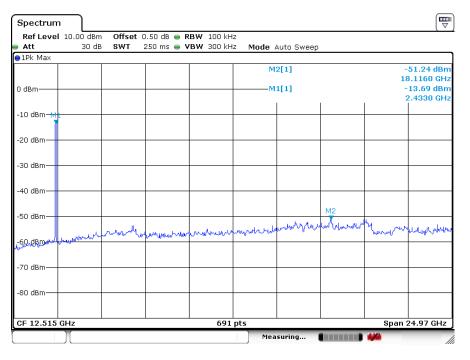
TX 802.11n Channel Low 2422MHz (40MHz)



Date: 26.Jun.2015 11:02:38

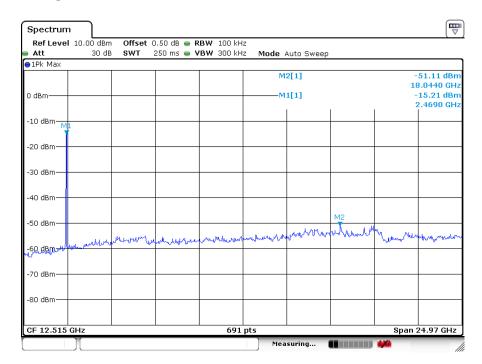


TX 802.11n Channel Middle 2437MHz (40MHz)



Date: 26.Jun.2015 11:00:27

TX 802.11n Channel High 2452MHz (40MHz)



Date: 26.Jun.2015 11:03:35



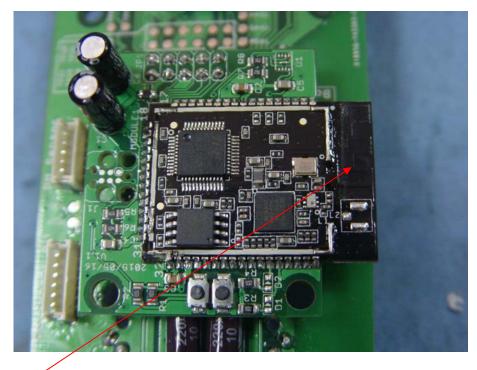
12.ANTENNA REQUIREMENT

12.1.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.

12.2.Antenna Construction

Device is equipped with permanent attached antenna, which isn't displaced by other antenna. The Antenna gain of EUT is 2.0dBi. Therefore, the equipment complies with the antenna requirement of Section 15.203.



Antenna