

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.



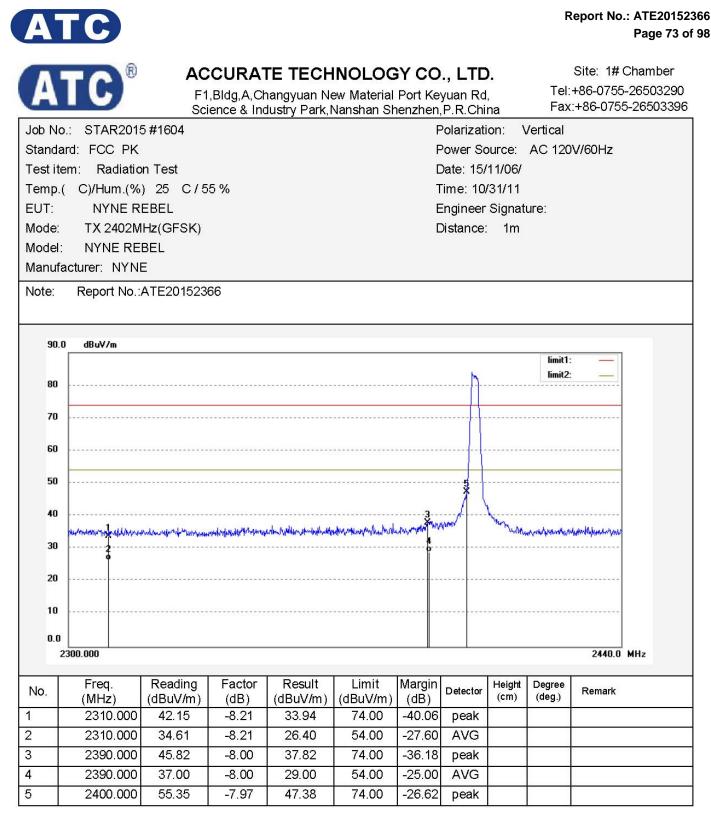
ATC®

Non-hopping mode

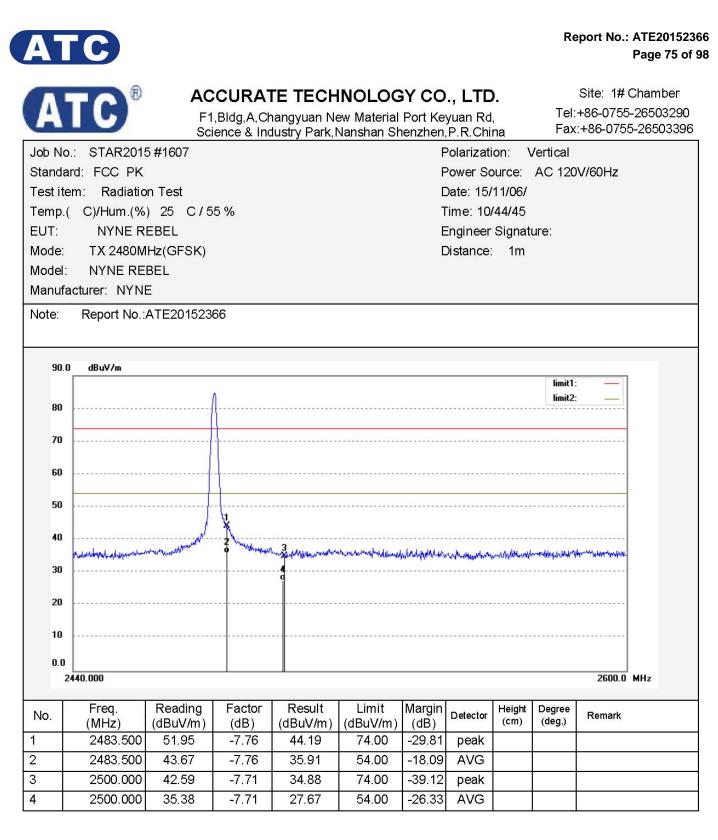
ACCURATE TECHNOLOGY CO., LTD.

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

2001 - 100 -		Sci	ence & Ind	dustry Park,I	Nanshan Sh	enzhen,	,P.R.Chi	na	Fax	:+86-075	5-2650339
Job N	o.: STAR2018	5 #160 5				F	olarizati	ion: H	Horizonta	al	
Stand	ard: FCC PK					F	ower Sc	ource:	AC 120	V/60Hz	
Test if	tem: Radiatio	n Test				0	Date: 15/	11/06/			
Гетр	.(C)/Hum.(%)) 25 C/5	5 %			Т	ime: 10	/37/04			
EUT:	NYNE RI	EBEL				E	Engineer	Signat	ure:		
Mode:	TX 2402M	Hz(GFSK)				0	Distance:	1m			
Nodel	: NYNE REI	BEL									
Manut	facturer: NYNE	Ξ									
Note:	Report No.:/	ATE201523	66								
90	.0 dBu∀/m										
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0.0											
	2300.000									2440.0	MHz
No.	Freq.	Reading	Factor	Result	Limit	Margin	Detector	Height	Degree	Remark	
	(MHz)	(dBuV/m)	(dB)		(dBuV/m)			(cm)	(deg.)	. temant	
	2310.000	43.21	-8.21	35.00	74.00		peak				
	2310.000	35.67	-8.21	27.46	54.00	-26.54					
}	2390.000	45.88	-8.00	37.88	74.00	-36.12					
ł	2390.000	37.28	-8.00	29.28	54.00	-24.72					
2	2400.000	52.56	-7.97	44.59	74.00	-29.41	peak				



ATC							Re	eport No.:	ATE20152 Page 74 of
ATC®	ACCURA F1,Bldg,A,C Science & In	hangyuan Ne	ew Material	Port Ke	yuan Rd,		Tel:		Chamber -26503290 5-26503396
Job No.: STAR2015 #16		•			olarizatio		lorizonta	al	
Standard: FCC PK				F	ower So	urce:	AC 120	V/60Hz	
Test item: Radiation Te	st			C	Date: 15/1	1/06/			
Temp.(C)/Hum.(%) 25	C / 55 %			Т	ime: 10/4	40/31			
EUT: NYNE REBEI				E	Engineer (Signati	ure:		
Mode: TX 2480MHz(C	SFSK)				Distance:	- 			
Model: NYNE REBEL									
Manufacturer: NYNE									
Note: Report No.:ATE2	20152366								
Note. Report NoATE2	20132300								
90.0 dBu∀/m									
							limit1:		
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60 50 40 40 20 10 20 10 2440.000 No. Freq. Rea (MHz) (dBa 1 2483.500 49	uV/m) (dB)	(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height		2000-00-00-00-00-00-00-00-00-00-00-00-00	MHz
60	uV/m) (dB) 9.31 -7.76	(dBuV/m) 41.55	Limit (dBuV/m) 74.00	Margin (dB) -32.45	Detector	Height		2000-00-00-00-00-00-00-00-00-00-00-00-00	MHz



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A	TC®	F1	,Bldg,A,Cł	TE TECH nangyuan Ne dustry Park,1	ew Material	Port Ke	yuan Rd	,			Chamber 26503290 -26503396
lob No	o.: STAR201	5 #1610				F	Polarizati	on: H	Horizonta	al	
Standa	ard: FCC PK					F	Power Sc	ource:	AC 120	V/60Hz	
est it	em: Radiatio	n Test				[Date: 15/	11/06/			
emp.	(C)/Hum.(%) 25 C/5	5 %			٦	Fime: 10/	/55/52			
EUT:	NYNE R	EBEL				E	Engineer	Signat	ure:		
Aode:	TX 2402M	Hz(4DQPSk	()			[Distance:	1m			
Iodel	: NYNE RE	BEL									
Aanuf	acturer: NYNE	Ξ									
lote:	Report No.:	ATE2015236	56								
	and the second										
90.	0_dBuV/m										
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80							ñ		limit2:		
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20 10											
10 0.0	2300.000									2440.0	MHz
10 0.0	2300.000	Reading	Factor	Result	Limit	Margin		Height	Degree	4	MHz
10 0.0		Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	2440.0 Remark	MHz
10 0.0	2300.000 Freq.			there is no coose in			Delector			4	MHz
10 0.0	2300.000 Freq. (MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	peak			4	MHz
10 0.0 : NO.	2300.000 Freq. (MHz) 2310.000	(dBuV/m) 43.56	(dB) -8.21	(dBuV/m) 35.35	(dBuV/m) 74.00	(dB) -38.65	peak			4	MHz
10 0.0	Freq. (MHz) 2310.000 2310.000 2310.000	(dBuV/m) 43.56 34.78	(dB) -8.21 -8.21	(dBuV/m) 35.35 26.57	(dBuV/m) 74.00 54.00	(dB) -38.65 -27.43	peak AVG peak			4	MHz

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				TE TECH			(A)		+ 10	Site: 1# (
A	C)"			hangyuan Ne dustry Park,I							-26503290 5-2650339
ob No.	: STAR2018						Polarizati		/ertical		
tandar	d: FCC PK					F	Power So	ource:	AC 120	V/60Hz	
est ite	m: Radiatio	n Test				0	Date: 15/	11/06/			
emp.(C)/Hum.(%)) 25 C/5	5 %			7	Time: 10	/59/34			
UT:	NYNE RI	EBEL				E	Engineer	Signat	ure:		
ode:	TX 2402M	Hz(4DQPS	<)			C	Distance	1m			
lodel:	NYNE REI	BEL									
lanufa	cturer: NYNE	Ξ									
lote:	Report No.:/	ATE201523	66								
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0.0 2:	Freq. (MHz) 2310.000	(dBuV/m) 42.54	-8.21	34.33	74.00		- 10				
0.0 2:	Freq. (MHz) 2310.000 2310.000	(dBuV/m) 42.54 33.92	-8.21 -8.21	25.71	54.00	-28.29	AVG				
0.0 23 NO.	Freq. (MHz) 2310.000	(dBuV/m) 42.54	-8.21				AVG				
0.0	Freq. (MHz) 2310.000 2310.000	(dBuV/m) 42.54 33.92	-8.21 -8.21	25.71	54.00	-28.29	AVG peak				

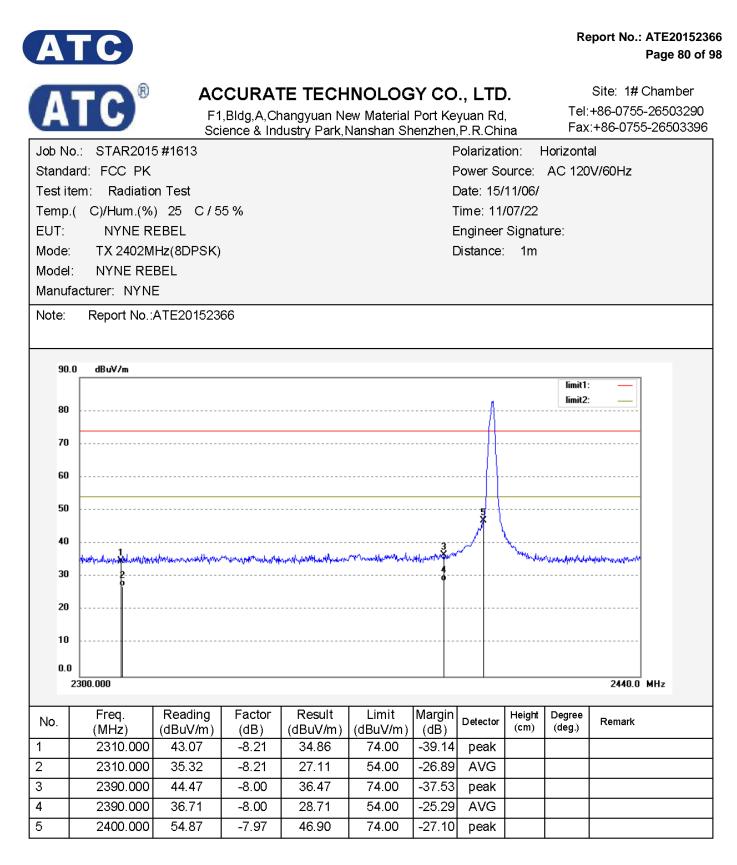
A '	TC								Re	eport No.: ATE201 Page 73
A	TC®	F1	,Bldg,A,Cł	TE TECH nangyuan Ne dustry Park,I	ew Material	Port Ke	yuan Rd	3	Tel:	Site: 1# Chambe +86-0755-265032 :+86-0755-265033
Job N	o.: STAR201	5 #1609		•		F	Polarizati	on: H	lorizonta	al
Stand	ard: FCC PK					F	ower Sc	ource:	AC 120	V/60Hz
est if	tem: Radiatio	n Test				[Date: 15/	11/06/		
ſemp	.(C)/Hum.(%) 25 C/5	5%			٦	Time: 10/	/52/46		
UT:	NYNE R	EBEL				E	Engineer	Signat	ure:	
/lode:	: TX 2480M	Hz(4DQPSI	<)			[Distance:	1m		
Nodel	I: NYNE RE	BEL								
Manut	facturer: NYNI	E								
Note:	Report No.:	ATE201523	66							
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	2440.000									2600.0 MHz
enes 1	Freq.	Reading	Factor	Result	Limit	Margin		Height	Degree	
No.	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Detector	(cm)	(deg.)	Remark
	2483.500	50.29	-7.76	42.53	74.00	-31.47	peak			
	2483.500	41.20	-7.76	33.44	54.00	-20.56	AVG			
2										
2 3	2500.000	43.43	-7.71	35.72	74.00	-38.28	peak			

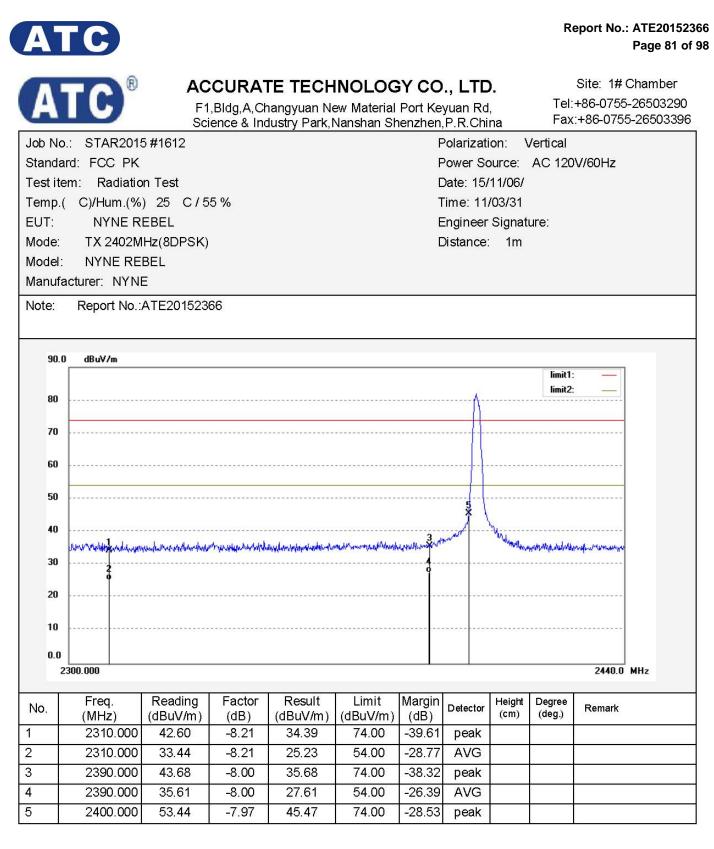


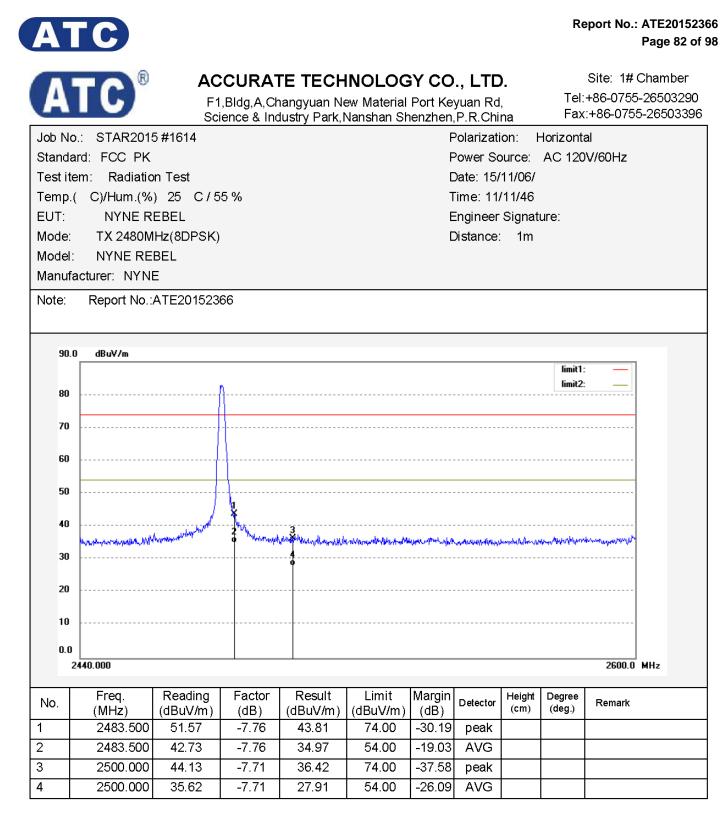
F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Report No.: ATE20152366 Page 79 of 98

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

				usily Park, i	Narisrian Or	enznen	,1 .13.011			
	o.: STAR201	5 #1608					Polarizati		/ertical	
Stand	ard: FCC PK					F	Power Sc	ource:	AC 120	W/60Hz
Testi	tem: Radiatio	n Test				0	Date: 15/	11/06/		
Temp	.(C)/Hum.(%) 25 C/5	5 %			Г	[ime: 10/	48/25		
EUT:	NYNE R	EBEL				E	Engineer	Signat	ure:	
Mode	: TX 2480M	IHz(4DQPSI	<)			0	Distance:	1m		
Mode	I: NYNE RE	BEL	<i>`</i>							
 Manu	facturer: NYN	E								
			00							
Note:	кероп №.:	ATE201523	66							
90	.0 dBuV/m									
									limit1:	
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	2440.000									2600.0 MHz
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No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	`` /	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	49.28	-7.76	41.52	74.00	-32.48	peak			
2	2483.500	41.00	-7.76	33.24	54.00	-20.76	AVG			
3	2500.000	43.62	-7.71	35.91	74.00	-38.09	peak			
4	2500.000	34.72	-7.71	27.01	54.00	-26.99	AVG			
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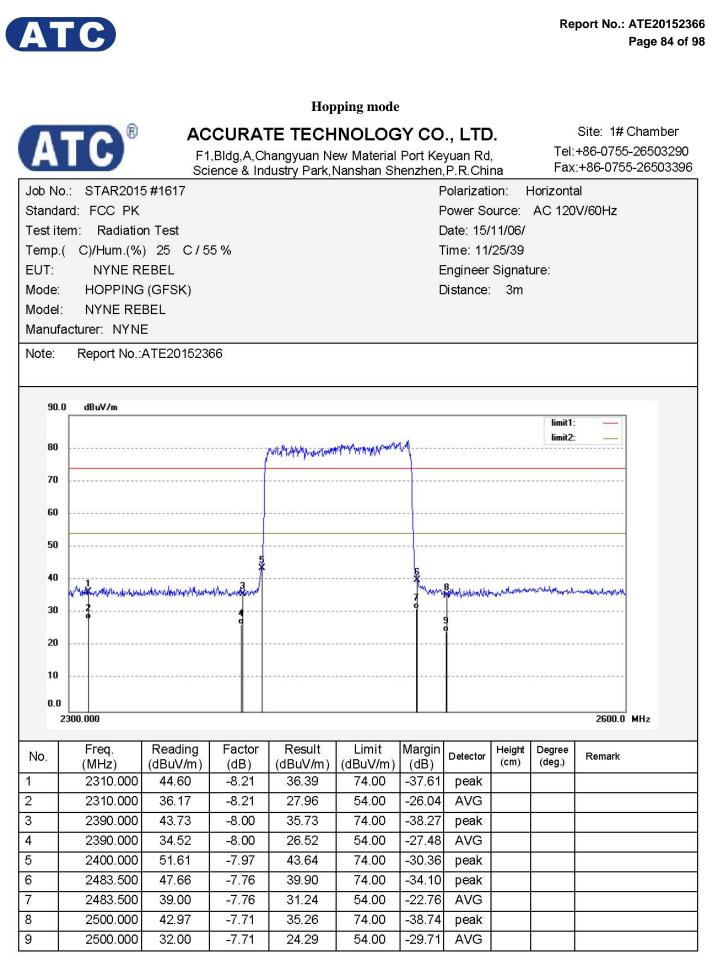








A	TC®	F1	,Bldg,A,Cł	TE TECH nangyuan Ne dustry Park,I	ew Material	Port Ke	yuan Rd	,	Tel:		Chamber -26503290 5-2650339
Job N	o.: STAR201	5 #1615				F	Polarizati	on: \	/ertical		
Stand	ard: FCC PK					F	ower Sc	ource:	AC 120	V/60Hz	
Test it	em: Radiatio	n Test				E	Date: 15/	11/06/			
Temp.	.(C)/Hum.(%) 25 C/5	5%			Л	ime: 11/	15/37			
EUT:	NYNE R					E	Engineer	Signat	ure:		
Mode:	TX 2480M	Hz(8DPSK)					Distance:	-			
Model											
Manuf	acturer: NYNI	=									
Note:	Report No.:	ATE201523	66								
90.	.0 dBuV/m								limit1:	_	
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	Freq.	Reading	Factor	Result	Limit	Margin		Height	Degree		
No.	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Detector	(cm)	(deg.)	Remark	
1	2483.500	49.38	-7.76	41.62	74.00	-32.38	peak	1)	
2	2483.500	40.00	-7.76	32.24	54.00	-21.76	AVG				
	0500.000	42.27	-7.71	34.56	74.00	-39.44	nool	2	6 6		
3	2500.000	42.27	-7.71	34.00	74.00	-39.44	peak				



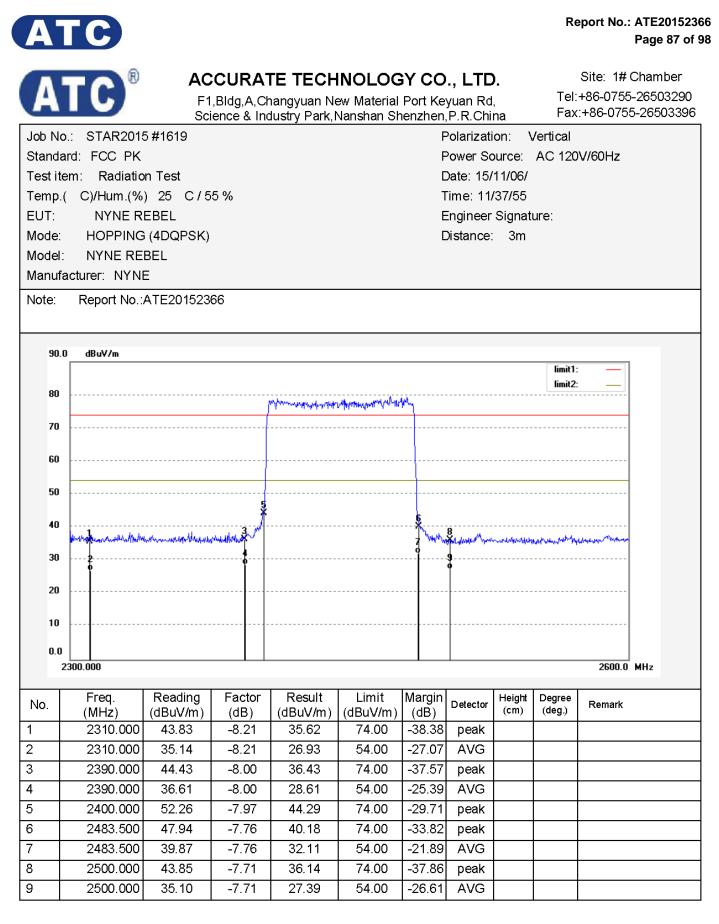
Note: Average measurement with peak detection at No.2, 4, 6, 8



A	TC	F1	,Bldg,A,Cł	TE TECH hangyuan No dustry Park,I	ew Material	Port Ke	yuan Rd	,		+86-0755	
ob No	D.: STAR201						Polarizati		/ertical		
tanda	ard: FCC PK					F	Power So	ource:	AC 120)V/60Hz	
est ite	em: Radiatio	n Test				[Date: 15/	11/06/			
emp.	(C)/Hum.(%) 25 C/5	5 %			J	Fime: 11	/20/17			
UT:	NYNE R	EBEL				E	Engineer	Signatu	ure:		
lode:	HOPPING	(GFSK)				[Distance:	3m			
lodel:	NYNE RE	BEL									
lanufa	acturer: NYNI	Ξ									
lote:		ATE201523	66								
90.0	0 dBuV/m								limit1: limit2:		
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0.0	2300.000									2600.0	MHz
l o.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
	2310.000	45.43	-8.21	37.22	74.00	-36.78	100				
	2310.000	36.27	-8.21	28.06	54.00	-25.94					
	2390.000	44.09	-8.00	36.09	74.00	-37.91	peak				
	2390.000	35.97	-8.00	27.97	54.00	-26.03	A DE CONTRACTORIN				
	2400.000	53.83	-7.97	45.86	74.00	-28.14	- SC				
	2483.500	46.71	-7.76	38.95	74.00	-35.05	•				
	2483.500	37.67	-7.76	29.91	54.00	-24.09	AVG				
	2500.000	44.38	-7.71	36.67	74.00	-37.33	peak				



	TC®	F1 Sci	,Bldg,A,Cł	TE TECH nangyuan Na dustry Park,I	ew Material	Port Ke enzhen	yuan Rd ,P.R.Chi	, na	Fax	Site: 1# 0 +86-0755- :+86-0755	2650329
Job No	b.: STAR2018	5 #1618				F	Polarizati	on: F	lorizonta	al	
Standa	ard: FCC PK					F	Power Sc	ource:	AC 120	V/60Hz	
Fest ite	em: Radiatio	n Test				[Date: 15/	11/06/			
Гетр.	(C)/Hum.(%)) 25 C/5	5 %			٦	[ime: 11/	/31/22			
EUT:	NYNE RI	EBEL				E	Engineer	Signati	ure:		
Mode:	HOPPING	(4DQPSK)				[Distance:	3m			
Model:	NYNE RE	BEL									
Manufa	acturer: NYNE	Ξ									
Note: 90.1		ATE201523									
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No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	· · · /	Delector	Height (cm)	Degree (deg.)	Remark	
	2310.000	43.46	-8.21	35.25	74.00	-38.75	peak				
2	2310.000	33.67	-8.21	25.46	54.00	-28.54	AVG				
	2390.000	45.83	-8.00	37.83	74.00	-36.17	peak				
	2390.000	36.17	-8.00	28.17	54.00	-25.83	AVG				
	2400.000	49.41	-7.97	41.44	74.00	-32.56	peak				
	2483.500	46.51	-7.76	38.75	74.00	-35.25	peak				
, †	2483.500	38.11	-7.76	30.35	54.00	-23.65	AVG				
3	2500.000	42.73	-7.71	35.02	74.00	-38.98	peak				
	2500.000	33.69	-7.71	25.98	54.00	-28.02	AVG				





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 N	o.: STAR201			dustry Park, i	vansnan or		polarizati		lorizonta	al	
Stand	ard: FCC PK					F	ower Sc	ource:	AC 120	V/60Hz	
est if	em: Radiatio	n Test				0	Date: 15/	11/06/			
emp	.(C)/Hum.(%) 25 C/5	5 %			٦	- ime: 11/	/48/26			
UT:	NYNE R					E	Engineer	Signat	ure:		
/lode:	HOPPING	(8DPSK)					Distance:	-			
Nodel	: NYNE RE	BEL									
/lanul	acturer: NYN	E									
Note:	Report No.:	ATE201523	66								
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90.	.0 dBuV/m								limit1:		1
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	2300.000									2600.0	MHz
	_										
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
	2310.000		-8.21	34.71	74.00	-39.29	peak	` <i>`</i>	× 0/		
	2310.000	33.65	-8.21	25.44	74.00	-48.56					
1	2390.000	44.81	-8.00	36.81	74.00	-37.19					
	2390.000		-8.00	28.71	54.00	-25.29	•				
;	2400.000	49.25	-7.97	41.28	74.00	-32.72	peak				
5	2483.500		-7.76	40.88	74.00	-33.12	peak				
,	2483.500	39.77	-7.76	32.01	54.00	-21.99	AVG				
3	2500.000	42.92	-7.71	35.21	74.00	-38.79					
)	2500.000	35.00	-7.71	27.29	54.00	-26.71	•				

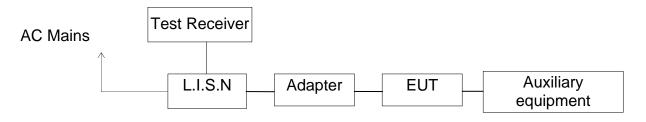
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EUT:	NYNE R	• · · · · · · · · · · · · · · · · · · ·				E	Engineer	Signat	ure:		
Mode:	HOPPING	(8DPSK)					Distance:	124			
Model											
Manuf	acturer: NYN	E									
Note:	Report No	ATE201523	66								
90.	0 dBuV/m								P - 14		
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No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	2310.000	43.26	-8.21	35.05	74.00	-38.95	peak	()	1 37	-	
2	2310.000	33.69	-8.21	25.48	54.00	-28.52	AVG				
3	2390.000	43.61	-8.00	35.61	74.00	-38.39	191121149031014011			-	
4	2390.000	35.39	-8.00	27.39	54.00	-26.61	AVG				
5	2400.000	49.63	-7.97	41.66	74.00	-32.34	peak		-		
6	2483.500	49.72	-7.76	41.96	74.00	-32.04				-	
7	2483.500	40.64	-7.76	32.88	54.00	-21.12	 Residences 		-		
		42.65	-7.71	34.94	74.00	-39.06		-			
8	2500.000	42.60 I	-1.11	04.04							



12.AC POWER LINE CONDUCTED EMISSION FOR FCC PART

15 SECTION 15.207(A)

12.1.Block Diagram of Test Setup



(EUT: NYNE REBEL)

12.2.Power Line Conducted Emission Measurement Limits

Frequency	Limit dB(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 sh	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.							

12.3.Configuration of EUT on Measurement

The following equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner, which tends to maximize its emission characteristics in a normal application.

12.4.Operating Condition of EUT

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

12.4.2.Turn on the power of all equipment.

12.4.3.Let the EUT work in test mode and measure it.



12.5.Test Procedure

The EUT is put on the plane 0.8 m 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.

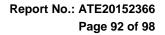
The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

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

12.6.Power Line Conducted Emission Measurement Results

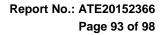
PASS.

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





ÆASUREMENT	RESULT	: "NYNE	-005_f	in"			
2015-11-4 15:	59		_				
Frequency MHz	Level dBµV				Detector	Line	ΡE
0.158000	51.90	10.4	66	13.7	QP	L1	
0.324000 11.252000	36.50	11.9	60	23.5	QP QP	L1 L1	GND GND
MEASUREMENT	RESULT	: "NYNE	-005 f	in2"			
2015-11-4 15:	59		_				
Frequency MHz	Level dBµV				Detector	Line	PE
0.164000 0.324000 11.252000	38.50	10.4	55 50	16.8	AV	L1 L1	GND GND
11.252000	28.30	11.9	50	21.7	AV	L1	
MEASUREMENT	RESULT	: "NYNE	-006_1	fin"			
2015-11-4 16:	:02						
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.156000	50.90	10.4	66	14.8	QP	Ν	GND
0.156000 0.954000 12.332000	39.00 29.80	11.6 11.9	56 60	17.0 30.2	QP QP	N N	GND GND
MEASUREMENT	RESULT	: "NYNE	-006_1	fin2"			
2015-11-4 16:							
-			Limit dBµV		Detector	Line	ΡE
Frequency MHz	dBµV	QD.	abai				
	37.30	10.4	55	18.0	AV	N N	GND GND





	IYNE RE	BEL					
ÆASUREMENT	RESULT	: "NYNE	-013_1	fin"			
2015-11-4 16:							
Frequency MHz	Level dBµV					Line	ΡE
0.152000	48.70	10.4	66	17.2	QP	L1	
0.200000 0.400000	45.50 36.30	10.6 11.3	64 58	18.1 21.6	QP QP	L1 L1	GND GND
MEASUREMENT	RESULT	: "NYNE	-013_1	fin2"			
2015-11-4 16:	27						
Frequency MHz	Level dBµV					Line	ΡE
0.152000	38.80	10.4	56	17.1	AV	L1	GND
0.152000 0.200000 0.400000	38.40 30.80	10.6	54 48	15.2	AV AV	L1 L1	GND GND
MEASUREMENT	RESULT	: "NYNE	-014_f.	in"			
2015-11-4 16:							
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.200000	43.10	10.6	64	20.5	QP	Ν	GND
0.200000 0.442000 0.888000	38.90 36.00	11.4 11.6	57 56	18.1 20.0	QP QP	N N	GND GND
MEASUREMENT	RESULT	: "NYNE	-014_f.	in2″			
2015-11-4 16:							
Frequency	Level dBµV				Detector	Line	PE
MHZ							
MHZ 0.198000 0.446000 0.888000	37.50	10.6	54	16.2	AV	N N	GND GND

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

The spectral diagrams are attached as below.

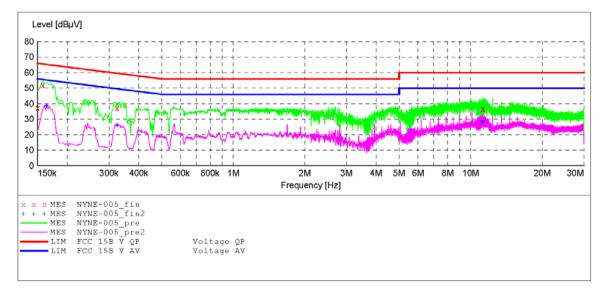


CONDUCTED EMISSION STANDARD FCC PART 15B

EUT:	NYNE REBEL M/N:NYNE REBEL
Manufacturer:	NYNE
Operating Condition:	BT3.0
Test Site:	2#Shielding Room
Operator:	star
Test Specification:	L 120V/60Hz
Comment:	Report NO:ATE20152366
Start of Test:	2015-11-4 / 15:57:22

SCAN TABLE: "V 150K-30MHz fin"

SAN IADIG	· · · · · · · · · · · · · · · · · · ·	K-SOFILZ	T T II			
Short Desc:	ription:		SUB STD VTER	M2 1.70		
Start	Stop	Step	Detector 1	Meas.	IF	Transducer
Frequency	Frequency	Width		Time	Bandw.	
150.0 kHz	30.0 MHz	4.5 kHz	QuasiPeak :	1.0 s	9 kHz	LISN(ESH3-Z5)
			Average			



MEASUREMENT RESULT: "NYNE-005 fin"

2015-11-4 15: Frequency MHz	59 Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	ΡE
0.158000	51.90	10.4	66	13.7	ΏΡ	L1	GND
0.324000	37.00	11.1	60	22.6		L1	GND
11.252000	36.50	11.9	60	23.5		L1	GND

MEASUREMENT RESULT: "NYNE-005_fin2"

2015-11-4 15:	59						
Frequency				-	Detector	Line	ΡE
MHz	dBµV	dB	dBµV	dB			
0.164000	38.50	10.4	55	16.8	AV	L1	GND
0.324000	26.10	11.1	50	23.5	AV	L1	GND
11.252000	28.30	11.9	50	21.7	AV	L1	GND

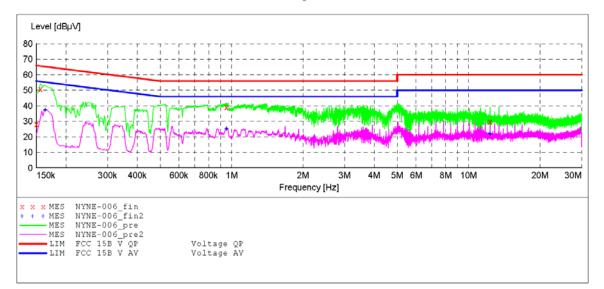


CONDUCTED EMISSION STANDARD FCC PART 15B

EUT:	NYNE REBEL M/N:NYNE REBEL
Manufacturer:	NYNE
Operating Condition:	BT3.0
Test Site:	2#Shielding Room
Operator:	star
Test Specification:	N 120V/60Hz
Comment:	Report NO:ATE20152366
Start of Test:	2015-11-4 / 16:00:21

SCAN TABLE: "V 150K-30MHz fin"

Short Desc	ription:		SUB STD VTERM2 1.70		
Start	Stop	Step	Detector Meas.	IF	Transducer
Frequency	Frequency	Width	Time	Bandw.	
150.0 kHz	30.0 MHz	4.5 kHz	QuasiPeak 1.0 s	9 kHz	LISN(ESH3-Z5)
			Average		



MEASUREMENT RESULT: "NYNE-006_fin"

2015-11-4 16:	02						
Frequency	Level	Transd	Limit	Margin	Detector	Line	ΡE
MHz	dBuV	dB	dBuV	dB			
0.156000	50.90	10.4	66	14.8	OP	N	GND
0.954000	39.00	11.6	56	17.0	ÕP	N	GND
12.332000	29.80	11.9	60	30.2	A.,	N	GND
12.002000	25.00	11.7	00	50.2	Är.	14	OND

MEASUREMENT RESULT: "NYNE-006 fin2"

2015-11-4 16:	02						
Frequency				2	Detector	Line	ΡE
MHz	dBµV	dB	dBµV	dB			
0.164000	37.30	10.4	55	18.0	AV	N	GND
0.952000	25.20	11.6	46	20.8	AV	N	GND
12.332000	22.00	11.9	50	28.0	AV	N	GND

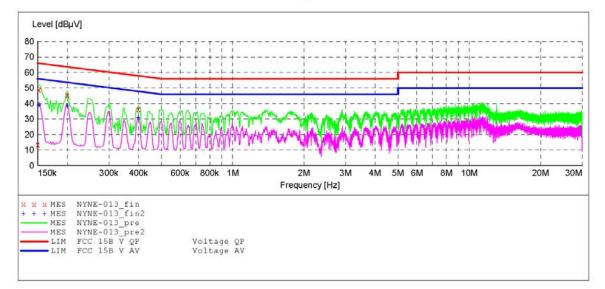


CONDUCTED EMISSION STANDARD FCC PART 15B

EUT:	NYNE REBEL M/N:NYNE REBEL
Manufacturer:	NYNE
Operating Condition:	BT3.0
Test Site:	2#Shielding Room
Operator:	star
Test Specification:	L 240V/60Hz
Comment:	Report NO:ATE20152366
Start of Test:	2015-11-4 / 16:25:43

SCAN TABLE: "V 150K-30MHz fin"

Short Description:			SUB STD VTE	MMZ 1.70		
Start	Stop	Step	Detector	Meas.	IF	Transducer
Frequency	Frequency	Width		Time	Bandw.	
150.0 kHz	30.0 MHz	4.5 kHz	QuasiPeak	1.0 s	9 kHz	LISN(ESH3-Z5)
			Average			



MEASUREMENT RESULT: "NYNE-013 fin"

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.152000	48.70	10.4	66	17.2	QP	L1	GND
0.200000	45.50	10.6	64	18.1	QP	L1	GND
0.400000	36.30	11.3	58	21.6	QP	L1	GND

MEASUREMENT RESULT: "NYNE-013 fin2"

2015-11-4 16:	27						
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	ΡE
0.152000	38.80	10.4	56	17.1	AV	L1	GND
0.200000	38.40	10.6	54	15.2	AV	L1	GND
0.400000	30.80	11.3	48	17.1	AV	L1	GND

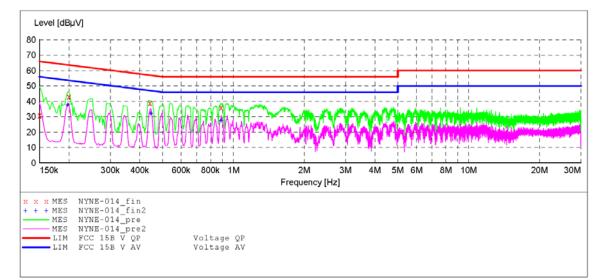


CONDUCTED EMISSION STANDARD FCC PART 15B

EUT:	NYNE REBEL M/N:NYNE REBEL						
Manufacturer:	NYNE						
Operating Condition:	BT3.0						
Test Site:	2#Shielding Room						
Operator:	star						
Test Specification:	N 240V/60Hz						
Comment:	Report NO:ATE20152366						
Start of Test:	2015-11-4 / 16:28:56						

SCAN TABLE: "V 150K-30MHz fin"

0	CAN IADLE	100.	K-Sormz	TTU			
	Short Desc:	ription:		SUB STD VTERM2 1.70			
	Start	Stop	Step	Detector Meas.	IF	Transducer	
	Frequency	Frequency	Width	Time	Bandw.		
	150.0 kHz	30.0 MHz	4.5 kHz	QuasiPeak 1.0 s	9 kHz	LISN(ESH3-Z5)	
				Average			



MEASUREMENT RESULT: "NYNE-014 fin"

2015-11-4 16: Frequency MHz	30 Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	ΡE
0.200000	43.10	10.6	64	20.5	~	N	GND
0.442000	38.90	11.4	57	18.1		N	GND
0.888000	36.00	11.6	56	20.0		N	GND

MEASUREMENT RESULT: "NYNE-014 fin2"

2015-11-4 16	:30						
Frequency	Level	Transd	Limit	Margin	Detector	Line	ΡE
MHz	dBµV	dB	dBµV	dB			
0.198000	37.50	10.6	54	16.2	AV	Ν	GND
0.446000	32.20	11.4	47	14.7	AV	N	GND
0.888000	27.40	11.6	46	18.6	AV	N	GND



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

Device is equipped with PCB Antenna, which isn't displaced by other antenna. The Antenna gain of EUT is 2dBi. Therefore, the equipment complies with the antenna requirement of Section 15.203.

