

FCC Part 15C Test Report FCC ID: 2AE40GLINT2

Product Name:	Remote control
Trademark:	Keyshare
Model Name :	GLINT 2.0
Prepared For :	Hunan Keyshare Information Technology Co., Ltd
Address :	Room 707-712,7/F,Headquarters,Changsha CEC Software Park,No.39 Jianshan Road,High-Tech Industrial Eatate,Yuelu District, Changsha, Hunan, P.R.China
Prepared By :	Shenzhen BCTC Technology Co., Ltd.
Address :	No.101, Yousong Road, Longhua New District, Shenzhen, China
Test Date:	Mar. 13 - Mar. 20, 2016
Date of Report :	Mar. 25, 2016
Report No.:	BCTC-160302009E



TEST RESULT CERTIFICATION

Applicant's name:	Hunan Keyshare Information Technology Co., Ltd
Address:	Room 707-712,7/F,Headquarters,Changsha CEC Software Park,No.39 Jianshan Road,High-Tech Industrial Eatate,Yuelu District, Changsha, Hunan, P.R.China
Manufacture's Name:	Hunan Keyshare Information Technology Co., Ltd
Address:	Room 707-712,7/F,Headquarters,Changsha CEC Software Park,No.39 Jianshan Road,High-Tech Industrial Eatate,Yuelu District, Changsha, Hunan, P.R.China
Product description	
Product name:	Remote control
Model and/or type reference :	GLINT 2.0
Serial Model:	N/A
Test Standards:	FCC Part15.247 ANSI C63.10-2013
	KDB 558074 D01 DTS Meas Guidance v03r03

This device described above has been tested by BCTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Fix Your

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1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 (15.247) , Subpart C					
Standard Section	Test Item	Judgment	Remark		
15.207	Conducted Emission	PASS			
15.247 (a)(2)	6dB Bandwidth	PASS			
15.247 (b)	Peak Output Power	PASS			
15.247 (c)	Radiated Spurious Emission	PASS			
15.247 (d)	Power Spectral Density	PASS			
15.205	Band Edge Emission	PASS			
15.203	Antenna Requirement	PASS			

NOTE:

(1)" N/A" denotes test is not applicable in this Test Report



1.1 TEST FACILITY

Shenzhen BCTC Technology Co., Ltd.

Add.: No.101, Yousong Road, Longhua New District, Shenzhen, China

FCC Registered No.: 187086

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $\mathbf{y} \pm \mathbf{U}$, where expended uncertainty \mathbf{U} is based on a standard uncertainty multiplied by a coverage factor of $\mathbf{k=2}$, providing a level of confidence of approximately 95 % $^{\circ}$

No.	Item	Uncertainty
1	Conducted Emission Test	±1.38dB
2	RF power,conducted	±0.16dB
3	Spurious emissions,conducted	±0.21dB
4	All emissions,radiated(<1G)	±4.68dB
5	All emissions,radiated(>1G)	±4.89dB
6	Temperature	±0.5°C
7	Humidity	±2%



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Remote control			
Trade Name	Keyshare			
Model Name	GLINT 2.0			
Serial Model	N/A			
Model Difference	N/A			
	Operation Frequency:	2404~2480 MHz 5745~5825MHz(Receiver only) DSSS		
	Modulation Type: Channel separation is:	1MHz		
Product Description	Antenna Designation:	Please see Note 3.		
·	Antenna Gain (dBi)	3.0dbi		
	Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.			
Channel List	Please refer to the Note 2.			
Adapter	Model: LY012SPS-08010CH Input: AC100-240V~ 50-60Hz 0.35A Output: 8.0V 1.0A			
Battery	DC 7.4V 6000mA			
Connecting I/O Port(s)	Please refer to the User's Manual			

Note:

For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2.

	Channel List					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	
00	2404	01	2405	02	2406	
03	2407	04	2408	05	2409	
06	2410	07	2411	08	2412	
-	-	ı	-	ı	-	
-	-	ı	-	ı	-	
68	2472	69	2473	70	2474	
71	2475	72	2476	73	2477	
74	2478	75	2479	76	2480	



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Table for Filed Antenna

Ant	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	N/A	N/A	External Antenna	N/A	3.0	
2	N/A	N/A	External Antenna	N/A	3.0	

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Tel: 400-788-9558 0755-33019988



2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

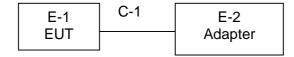
Alltest Mode	Description
Mode 1	TX Mode

Frequency	2404 MHz	2440 MHz	2480 MHz
Channel	Low	Middle	High

Note:

- (1) The measurements are performed at the highest, middle, lowest available channels.
- (2) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	Remote control	Keyshare	GLINT 2.0	N/A	EUT
E-2	Adapter	N/A	LY012SPS-08010CH	N/A	

Item	Shielded Type	Ferrite Core	Length	Note
C1	NO	NO	1.5M	DC cable unshielded

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in <code>"Length_"</code> column.

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2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Spectrum Analyzer	Agilent	E4407B	MY4510957 2	2015.08.25	2016.08.24	1 year
2	Test Receiver	R&S	ESPI	101396	2015.08.25	2016.08.24	1 year
3	Bilog Antenna	SCHWARZB ECK	VULB9160	VULB9160- 3369	2015.08.25	2016.08.24	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	620026441 6	2015.06.07	2016.06.06	1 year
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	2015.06.07	2016.06.06	1 year
6	Horn Antenna	SCHWARZB ECK	9120D	9120D-1275	2015.08.25	2016.08.24	1 year
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2015.07.06	2016.07.05	1 year
8	Amplifier	SCHWARZBE CK	BBV9718	9718-270	2015.08.25	2016.08.24	1 year
9	Amplifier	SCHWARZBE CK	BBV9743	9743-119	2015.08.25	2016.08.24	1 year
10	Loop Antenna	ARA	PLA-1030/B	1029	2015.06.08	2016.06.07	1 year
11	Power Meter	R&S	NRVS	100696	2015.07.06	2016.07.05	1 year
12	Power Sensor	R&S	URV5-Z4	0395.1619. 05	2015.07.06	2016.07.05	1 year
13	RF cables	R&S	N/A	N/A	2015.07.06	2016.07.05	1 year

Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101421	2015.08.25	2016.08.24	1 year
2	LISN	SCHWARZB ECK	NSLK8127	812779	2015.08.25	2016.08.24	1 year
3	LISN	EMCO	Feb-16	42990	2016.08.24	2016.08.23	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	620026441 7	2015.06.07	2016.06.06	1 year
5	Passive Voltage Probe	R&S	ESH2-Z3	100196	2015.06.07	2016.06.06	1 year



3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

EDECLIENCY (MHz)	Class B	Standard	
FREQUENCY (MHz)	Quasi-peak	Average	Standard
0.15 -0.5	66 - 56 *	56 - 46 *	CISPR
0.50 -5.0	56.00	46.00	CISPR
5.0 -30.0	60.00	50.00	CISPR

0.15 -0.5	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	56.00	46.00	FCC
5.0 -30.0	60.00	50.00	FCC

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz



3.1.2 TEST PROCEDURE

a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

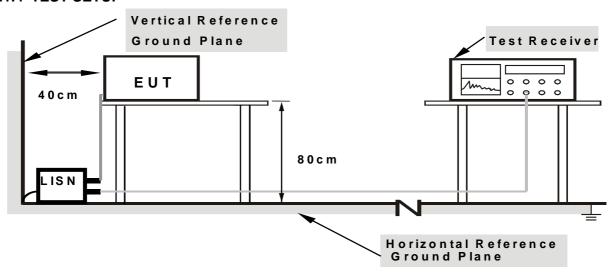
Report No.: BCTC-160302009E

- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

3.1.3 DEVIATION FROM TEST STANDARD

No deviation

3.1.4 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.



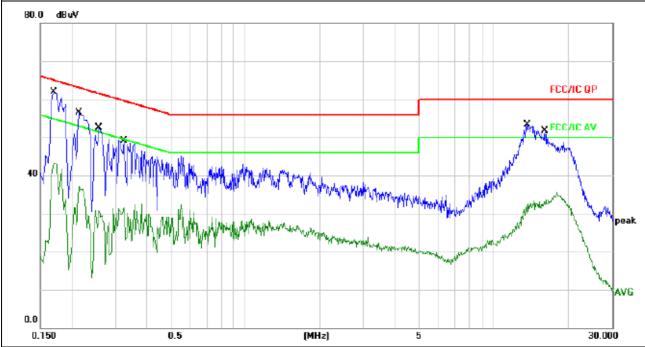
3.1.6 TEST RESULTS

EUT:	Remote control	Model Name. :	GLINT 2.0
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	L
Test Voltage :	AC120V/60Hz	Test Mode:	TX

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Detector Type
0.1700	51.89	10.06	61.95	64.96	-3.01	QP
0.1700	33.21	10.06	43.27	54.96	-11.69	AVG
0.2140	46.44	10.07	56.51	63.04	-6.53	QP
0.2140	27.10	10.07	37.17	53.04	-15.87	AVG
0.2580	42.44	10.08	52.52	61.49	-8.97	QP
0.2580	20.77	10.08	30.85	51.49	-20.64	AVG
0.3260	39.04	10.10	49.14	59.55	-10.41	QP
0.3260	21.56	10.10	31.66	49.55	-17.89	AVG
13.6580	43.09	10.14	53.23	60.00	-6.77	QP
13.6580	22.56	10.14	32.70	50.00	-17.30	AVG
16.1100	41.51	10.15	51.66	60.00	-8.34	QP
16.1100	24.46	10.15	34.61	50.00	-15.39	AVG

Remark:

- All readings are Quasi-Peak and Average values.
 Factor = Insertion Loss + Cable Loss.





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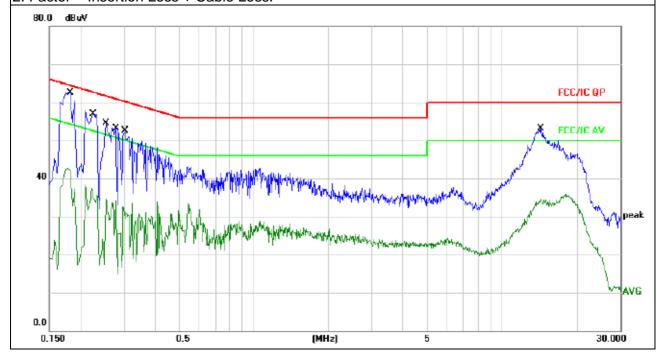
Report No.: BCTC-160302009E

EUT:	Remote control	Model Name. :	GLINT 2.0
Temperature:	26 ℃	Relative Humidity:	54%
Pressure :	1010hPa	Phase :	N
Test Voltage :	AC120V/60Hz	Test Mode:	TX

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Data atau Tura
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Detector Type
0.1819	52.47	10.06	62.53	64.39	-1.86	QP
0.1819	32.67	10.06	42.73	54.39	-11.66	AVG
0.2220	47.27	10.07	57.34	62.74	-5.40	QP
0.2220	27.36	10.07	37.43	52.74	-15.31	AVG
0.2540	44.43	10.08	54.51	61.62	-7.11	QP
0.2540	24.39	10.08	34.47	51.62	-17.15	AVG
0.2779	43.25	10.09	53.34	60.88	-7.54	QP
0.2779	24.10	10.09	34.19	50.88	-16.69	AVG
0.3020	42.33	10.09	52.42	60.19	-7.77	QP
0.3020	23.32	10.09	33.41	50.19	-16.78	AVG
14.3540	42.87	10.14	53.01	60.00	-6.99	QP
14.3540	24.44	10.14	34.58	50.00	-15.42	AVG

Remark:

- All readings are Quasi-Peak and Average values.
 Factor = Insertion Loss + Cable Loss.





3.2 RADIATED EMISSION MEASUREMENT

3.2.1 RADIATED EMISSION LIMITS (Frequency Range 9kHz-1000MHz)

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies	Field Strength	Measurement Distance
(MHz)	(micorvolts/meter)	(meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

	Class B (dBuV/m) (at 3M)			
FREQUENCY (MHz)	PEAK	AVERAGE		
Above 1000	74	54		

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

Spectrum Parameter	Setting		
Attenuation	Auto		
Start Frequency	1000 MHz		
Stop Frequency	10th carrier harmonic		
RB / VB (emission in restricted	1 MHz / 1 MHz for Dook, 1 MHz / 10Hz for Average		
band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average		

Receiver Parameter	Setting	
Attenuation	Auto	
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP	
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP	
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP	



3.2.2 TEST PROCEDURE

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters(above 1GHz, the hight was 1.5m) above the ground at a 3 meter Chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m(above 1GHz, the hight was 1.5m); the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

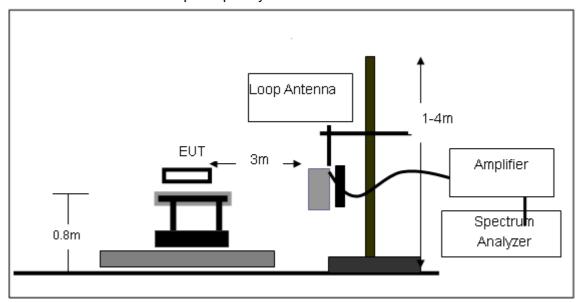
3.2.3 DEVIATION FROM TEST STANDARD

No deviation

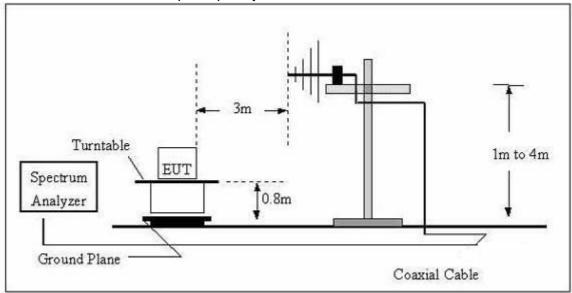


3.2.4 TEST SETUP

(A) Radiated Emission Test-Up Frequency Below 30MHz



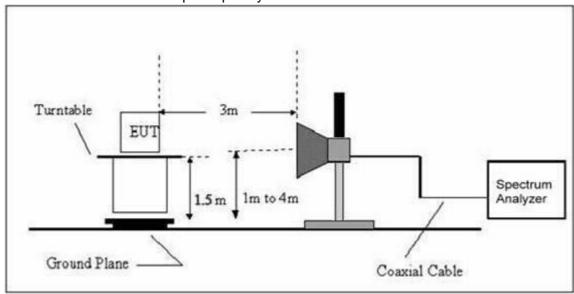
(B) Radiated Emission Test-Up Frequency 30MHz~1GHz





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(C) Radiated Emission Test-Up Frequency Above 1GHz



3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

Note:

Two antennas can't transmit at the same time. Antenna 1 worked while Antenna 2 was on standby. Antenna 2 worked while Antenna 1 was on standby.



3.2.6 TEST RESULTS (BETWEEN 9KHZ - 30 MHZ)

EUT:	Remote control	Model Name. :	GLINT 2.0
Temperature:	20℃	Relative Humidtity:	48%
Pressure:	1010 hPa	Test Voltage:	DC 7.4V
Test Mode:	TX	Polarization:	

Shenzhen BCTC Technology Co., Ltd.

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
				PASS
				PASS

NOTE:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor =40 log (specific distance/test distance)(dB);

Limit line = specific limits(dBuv) + distance extrapolation factor.



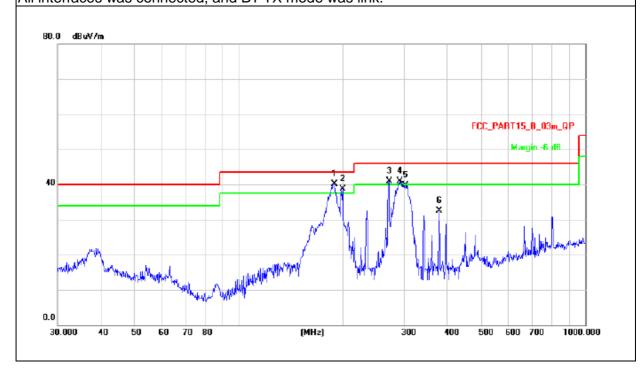
3.2.7 TEST RESULTS (BETWEEN 30MHZ - 1GHZ)

EUT:	Remote control	Model Name :	GLINT 2.0
Temperature:	26℃	Relative Humidity:	54%
Pressure:	1010 hPa	Polarization:	Horizontal
Test Voltage :	DC 7.4V		
Test Mode :	TX		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type	
(MHz)	(dBµV)	(dB)	(dBµV/m) (dBµV/m) (dB		(dB)	Detector Type	
189.0743	55.56	-15.46	40.10	43.50	-3.40	QP	
199.2855	54.78	-16.16	38.62	43.50	-4.88	QP	
271.3246	54.42	-13.45	40.97	46.00	-5.03	QP	
291.0360	53.77	-12.82	40.95	46.00	-5.05	QP	
302.4812	52.30	-12.52	39.78	46.00	-6.22	QP	
378.5843	43.18	-10.70	32.48	46.00	-13.52	QP	

Remark:

Factor = Antenna Factor + Cable Loss - Pre-amplifier.
All interfaces was connected, and BT TX mode was link.



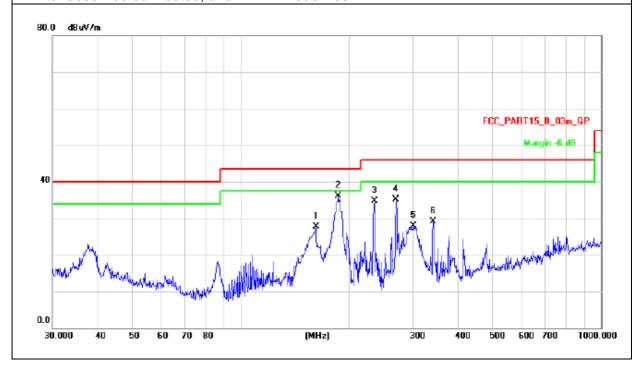


EUT:	Remote control	Model Name :	GLINT 2.0
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010 hPa	Polarization:	Vertical
Test Voltage :	DC 7.4V		
Test Mode :	TX		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type	
(MHz)	(dBµV)	(dB)	(dBµV/m) (dBµV/m) (dB)		(dB)	Detector Type	
161.4742	40.66	66 -12.96 27.70 43.50 -15.8		-15.80	QP		
186.4409	51.25	-15.14	36.11	43.50	-7.39	QP	
234.9909	49.39	-14.77	34.62	46.00	-11.38	QP	
269.4284	48.71	-13.53	35.18	46.00	-10.82	QP	
301.4224	40.53	-12.55	27.98	46.00	-18.02	QP	
341.9786	40.54	-11.53	29.01	46.00	-16.99	QP	

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All interfaces was connected, and BT TX mode was link.





3.2.8 TEST RESULTS (ABOVE 1000 MHZ)

Low

1							
Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Туре
		ор	eration fre	equency:2404			
V	4808.00	48.79	13.85	62.64	74	-11.36	PK
V	4808.00	26.84	13.85	40.69	54	-13.31	AV
V	7212.00	45.93	19.36	65.29	74	-8.71	PK
V	7212.00	25.77	19.36	45.13	54	-8.87	AV
Н	4808.00	48.06	13.85	61.91	74	-12.09	PK
Н	4808.00	26.21	13.85	40.06	54	-13.94	AV
Н	7212.00	44.98	19.36	64.34	74	-9.66	PK
Н	7212.00	26.05	19.36	45.41	54	-8.59	AV

Remark:

Absolute Level= ReadingLevel+ Factor

Margin= Limit- Absolute Level

The radiated emissions from 8GHz to 25GHz are at least 20dB below the official limit and no need to report.

Middle 2440MHz

			IALLA	dule 2440MITZ			
Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Туре
		op	peration fre	equency:2440			
V	4880.00	49.35	13.94	63.29	74	-10.71	PK
V	4880.00	27.56	13.94	41.5	54	-12.50	AV
V	7320.00	45.47	19.43	64.9	74	-9.10	PK
V	7320.00	25.45	19.43	44.88	54	-9.12	AV
Н	4880.00	48.18	13.94	62.12	74	-11.88	PK
Н	4880.00	26.45	13.94	40.39	54	-13.61	AV
Н	7320.00	44.69	19.43	64.12	74	-9.88	PK
Н	7320.00	26.72	19.43	46.15	54	-7.85	AV

Remark:

Absolute Level= ReadingLevel+ Factor

Margin= Limit- Absolute Level

The radiated emissions from 8GHz to 25GHz are at least 20dB below the official limit and no need to report.



High

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector	
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Туре	
	operation frequency:2480							
V	4960.00	48.76	14.02	62.78	74	-11.22	PK	
V	4960.00	26.34	14.02	40.36	54	-13.64	AV	
V	7440.00	45.33	19.51	64.84	74	-9.16	PK	
V	7440.00	25.25	19.51	44.76	54	-9.24	AV	
Н	4960.00	47.24	14.02	61.26	74	-12.74	PK	
Н	4960.00	26.49	14.02	40.51	54	-13.49	AV	
Н	7440.00	44.65	19.51	64.16	74	-9.84	PK	
Н	7440.00	26.34	19.51	45.85	54	-8.15	AV	

Remark:

Absolute Level= ReadingLevel+ Factor

Margin= Limit- Absolute Level

The radiated emissions from 8GHz to 25GHz are at least 20dB below the official limit and no need to report.

Note: the data of ANT1 only show the worst result.



Band Radiated

Frequency (MHz)	Antenna polarization (H/V)	Frequenc y (MHz)	Meter Reading	Factor (dB)	Emission (dBuV/m)		lge Limit V/m)	Result
	(m/v)		(dBµV)		PK	PK	AV	Pass
<2400	Н	2390.00	34.76	13.83	48.59	74.00	54.00	Pass
<2400	V	2390.00	33.57	13.83	47.40	74.00	54.00	Pass
<2400	Н	2400.00	34.34	13.85	48.19	74.00	54.00	Pass
<2400	V	2400.00	34.49	13.85	48.34	74.00	54.00	Pass
>2483.5	Н	2483.50	34.58	14.02	48.60	74.00	54.00	Pass
>2483.5	V	2483.50	33.46	14.02	47.48	74.00	54.00	Pass
>2483.5	Н	2486.50	33.33	14.04	47.37	74.00	54.00	Pass
>2483.5	V	2486.50	35.42	14.04	49.46	74.00	54.00	Pass

If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.

Note: the data of ANT1 only show the worst result.

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4. POWER SPECTRAL DENSITY TEST

4.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C					
Section	Test Item	Limit	Frequency Range (MHz)	Result	
15.247	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS	

4.1.1 TEST PROCEDURE

- 1. Set analyzer center frequency to DTS channel center frequency.
- 2. Set the span to 1.5 times the DTS bandwidth.
- 3. Set the RBW to: 3 kHz \leq RBW \leq 100 kHz.
- 4. Set the VBW \geq 3 x RBW.
- 5. Detector = peak.
- 6. Sweep time = auto couple.
- 7. Trace mode = max hold.
- 8. Allow trace to fully stabilize.
- 9. Use the peak marker function to determine the maximum amplitude level within the RBW.
- 10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

4.1.2 DEVIATION FROM STANDARD

No deviation.

4.1.3 TEST SETUP



4.1.4 EUT OPERATION CONDITIONS

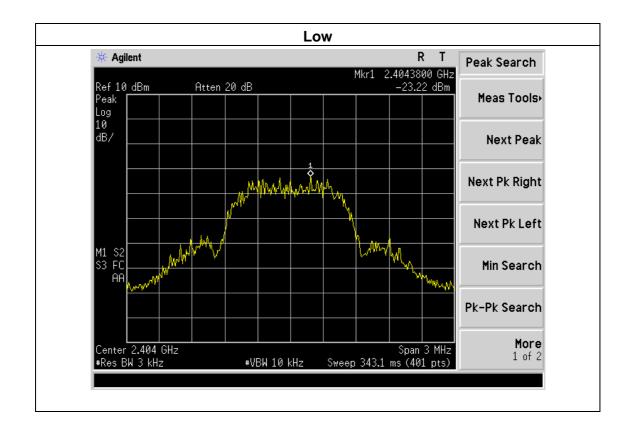
The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.



4.1.5 TEST RESULTS

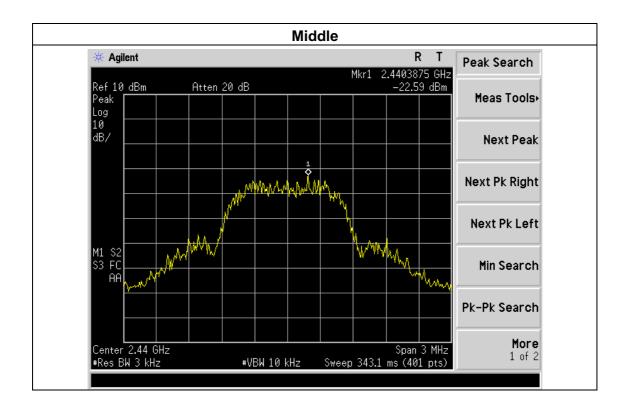
EUT:	Remote control	Model Name :	GLINT 2.0
Temperature:	25 ℃	Relative Humidity:	60%
Pressure :	1015 hPa	Test Voltage :	DC 7.4V
Test Mode :	TX		

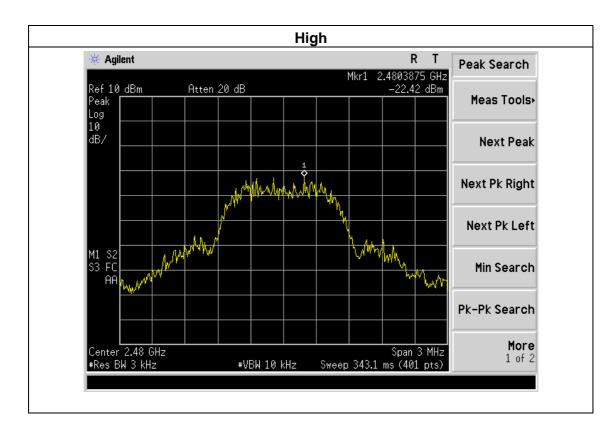
Channel	Power Density (dBm) ANT1 ANT2		Limit (dBm)	Result
			(ubiii)	
Low	-23.22	-24.13	8	PASS
Middle	-22.53	-22.85	8	PASS
High	-22.42	-22.64	8	PASS



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Note: the data of ANT1 only show the worst result.

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5. BANDWIDTH TEST

5.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247), Subpart C					
Section	Test Item	Limit	Frequency Range (MHz)	Result	
15.247(a)(2)	Bandwidth	>= 500KHz (6dB bandwidth)	2400-2483.5	PASS	

5.1.1 TEST PROCEDURE

- 1. Set RBW = 100 kHz.
- 2. Set the video bandwidth (VBW) \geq 3 x RBW.
- 3. Detector = Peak.
- 4. Trace mode = max hold.
- 5. Sweep = auto couple.
- 6. Allow the trace to stabilize.
- 7. Measure the maximum width of the emission that is constrained by the frequencies associated with he two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

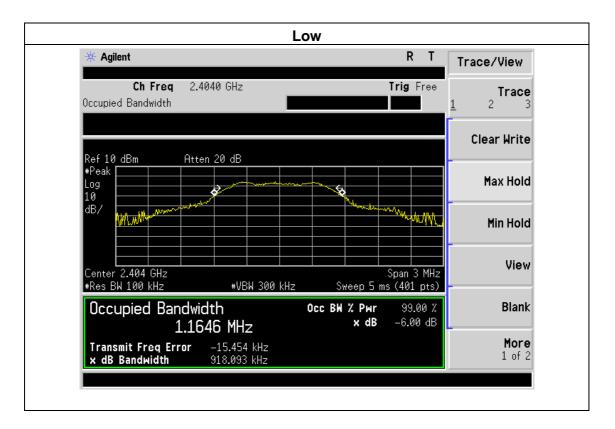
The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.



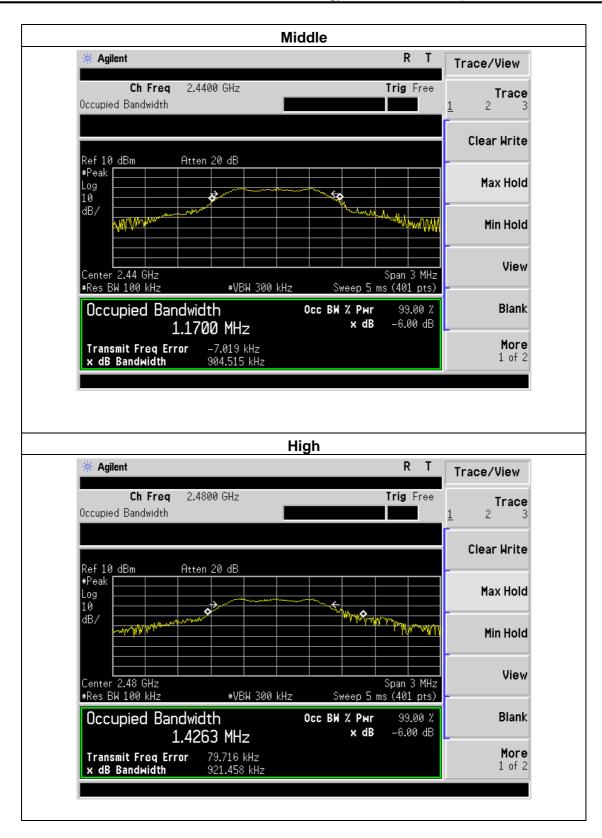
5.1.5 TEST RESULTS

EUT:	Remote control	Model Name :	GLINT 2.0
Temperature:	25 ℃	Relative Humidity:	60%
Pressure :	1012 hPa	Test Voltage :	DC 7.4V
Test Mode :	TX		

Channel	Frequency (MHz)		ndwidth Hz)	Limit (kHz)	Result
	(1411 12)	ANT1	ANT2	(KI 12)	
Low	2404	918.093	912.546	500	Pass
Middle	2440	904.515	902.265	500	Pass
High	2480	921.458	918.254	500	Pass







Note: the data of ANT1 only show the worst result.



6. PEAK OUTPUT POWER TEST

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C					
Section	Test Item	Limit	Frequency Range (MHz)	Result	
15.247(b)(3)	Peak Output Power	1 watt or 30dBm	2400-2483.5	PASS	

6.1.1 TEST PROCEDURE

a. The EUT was directly connected to the Power meter

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

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6.1.5 TEST RESULTS

EUT:	Remote control	Model Name :	GLINT 2.0
Temperature :	25 ℃	Relative Humidity:	60%
Pressure :	1012 hPa	Test Voltage :	DC 7.4V
Test Mode :	TX		

Test	Frequency	Maximum Cond Power(/	·	LIMIT
Channe		ANT1	ANT2	
	(MHz)	(dBm)		dBm
Low	2404	8.50	7.89	30
Middle	2440	8.38	7.78	30
High	2480	8.45	7.65	30



7. 100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE

APPLICABLE STANDARD

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 §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

TEST PROCEDURE

- a) Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- b) Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
- c) Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
- d) Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
- e) Repeat above procedures until all measured frequencies were complete.

7.1 DEVIATION FROM STANDARD

No deviation.



7.2 TEST SETUP

EUT	SPECTRUM
	ANALYZER

7.3 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.



8. ANTENNA REQUIREMENT

8.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

8.2 EUT ANTENNA

The EUT antenna is permanent connection and non-detachable (External) antenna. It comply with the standard requirement.



9. EUT TEST PHOTO





Radiated Measurement Photos











10. EUT TEST PHOTO



