

TEST REPORT

Applicant:	Shenzhen Intellirocks Tech. Co., Ltd.		
Address of Applicant:	Room 502, Building 9, Yungu Phase 2 Pingshan 1st Road, Taoyuan Street, Nanshan District, Shenzhen, Guangdong, China		
Manufacturer:	Shenzhen Intellirocks Tech. Co., Ltd.		
Address of Manufacturer:	Room 502, Building 9, Yungu Phase 2 Pingshan 1st Road, Taoyuan Street, Nanshan District, Shenzhen, Guangdong, China		
Equipment Under Test (E	UT)		
Product Name:	Car LED Strip Light		
Model No.:	H6185		
FCC ID:	2AQA6-H6185		
Applicable standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247		
Date of sample receipt:	May 15, 2020		
Date of Test:	May 15, 2020-June 02, 2020		
Date of report issued:	June 03, 2020		
Test Result :	PASS *		

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Laboratory Manager

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2 Version

Version No.	Date	Description
00	June 03, 2020	Original

Prepared By:

hand

Date:

June 03, 2020

Project Engineer

Check By:

Binson Reviewer

Date:

June 03, 2020



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4 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203/15.247 (c)	Pass
AC Power Line Conducted Emission	15.207	N/A
Conducted Output Power	15.247 (b)(3)	Pass
Channel Bandwidth	15.247 (a)(2)	Pass
Power Spectral Density	15.247 (e)	Pass
Band Edge	15.247(d)	Pass
Spurious Emission	15.205/15.209	Pass

Remarks:

- 1. Pass: The EUT complies with the essential requirements in the standard.
- 2. Test according to ANSI C63.10:2013

Measurement Uncertainty

Test Item	Frequency Range	Measurement Uncertainty	Notes		
Radiated Emission	30MHz-200MHz	3.8039dB	(1)		
Radiated Emission	200MHz-1GHz	3.9679dB	(1)		
Radiated Emission	1GHz-18GHz 4.29dB		(1)		
Radiated Emission	18GHz-40GHz	3.30dB	(1)		
AC Power Line Conducted 0.15MHz ~ 30MHz 3.44dB		(1)			
Note (1): The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.					



5 General Information

5.1 General Description of EUT

Product Name:	Car LED Strip Light
Model No.:	H6185
Test sample(s) ID:	GTS202005000106-1
Sample(s) Status:	Engineer sample
Serial No.:	6185AAB9450537
Operation Frequency:	2402MHz~2480MHz
Channel Numbers:	40
Channel Separation:	2MHz
Modulation Type:	GFSK
Antenna Type:	PCB Antenna
Antenna Gain:	2.1dBi(Declare by applicant)
Power Supply:	DC 12V



Operation Frequency each of channel							
Channel	Frequency	Channel Frequency		Channel	Frequency	Channel	Frequency
1	2402 MHz	11	2422 MHz	21	2442 MHz	31	2462 MHz
2	2404 MHz	12	2424 MHz	22	2444 MHz	32	2464 MHz
3	2406 MHz	13	2426 MHz	23	2446 MHz	33	2466 MHz
4	2408 MHz	14	2428 MHz	24	2448 MHz	34	2468 MHz
5	2410 MHz	15	2430 MHz	25	2450 MHz	35	2470 MHz
6	2412 MHz	16	2432 MHz	26	2452 MHz	36	2472 MHz
7	2414 MHz	17	2434 MHz	27	2454 MHz	37	2474 MHz
8	2416 MHz	18	2436 MHz	28	2456 MHz	38	2476 MHz
9	2418 MHz	19	2438 MHz	29	2458 MHz	39	2478 MHz
10	2420 MHz	20	2440 MHz	30	2460 MHz	40	2480 MHz

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The lowest channel	2402MHz
The middle channel	2440MHz
The Highest channel	2480MHz



5.2 Test mode

Transmitting mode	Keep the EUT in continuously transmitting mode
	the test voltage was tuned from 85% to 115% of the nominal rated supply e worst case was under the nominal rated supply condition. So the report just ta.

5.3 Description of Support Units

Manufacturer Description		Model	Serial Number	
GS Lead–Acid battery		S5D26R-MFZ	9442804454	

5.4 Deviation from Standards

None.

5.5 Abnormalities from Standard Conditions

None.

5.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• FCC — Registration No.: 381383

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 381383.

• IC — Registration No.: 9079A

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A

• NVLAP (LAB CODE:600179-0)

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP). LAB CODE:600179-0

5.7 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd. Address: No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102 Tel: 0755-27798480 Fax: 0755-27798960

5.8 Additional Instructions

Test Software	Special test command provided by manufacturer	
Power level setup	Default	



6 Test Instruments list

Rad	Radiated Emission:							
ltem			Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)		
1	3m Semi- Anechoic Chamber ZhongYu Electron 9		9.2(L)*6.2(W)* 6.4(H)	GTS250	July. 03 2015	July. 02 2020		
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A		
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	June. 26 2019	June. 25 2020		
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	June. 26 2019	June. 25 2020		
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	June. 26 2019	June. 25 2020		
6	Horn Antenna	ETS-LINDGREN	3160	GTS217	June. 26 2019	June. 25 2020		
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A		
8	Coaxial Cable	GTS	N/A	GTS213	June. 26 2019	June. 25 2020		
9	Coaxial Cable	GTS	N/A	GTS211	June. 26 2019	June. 25 2020		
10	Coaxial cable	GTS	N/A	GTS210	June. 26 2019	June. 25 2020		
11	Coaxial Cable	GTS	N/A	GTS212	June. 26 2019	June. 25 2020		
12	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	June. 26 2019	June. 25 2020		
13	Amplifier(2GHz-20GHz)	HP	84722A	GTS206	June. 26 2019	June. 25 2020		
14	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June. 26 2019	June. 25 2020		
15	Band filter	Amindeon	82346	GTS219	June. 26 2019	June. 25 2020		
16	Power Meter	Anritsu	ML2495A	GTS540	June. 26 2019	June. 25 2020		
17	Power Sensor	Anritsu	MA2411B	GTS541	June. 26 2019	June. 25 2020		
18	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	June. 26 2019	June. 25 2020		
19	Splitter	Agilent	11636B	GTS237	June. 26 2019	June. 25 2020		
20	Loop Antenna	ZHINAN	ZN30900A	GTS534	June. 26 2019	June. 25 2020		
21	Breitband hornantenne	SCHWARZBECK	BBHA 9170	GTS579	Oct. 19 2019	Oct. 18 2020		
22	Amplifier	TDK	PA-02-02	GTS574	Oct. 19 2019	Oct. 18 2020		
23	Amplifier	TDK	PA-02-03	GTS576	Oct. 19 2019	Oct. 18 2020		
24	PSA Series Spectrum Analyzer	Rohde & Schwarz	FSP	GTS578	June. 26 2019	June. 25 2020		



RF C	onducted Test:					
ltem	Test Equipment	Manufacturer	Model No.	Serial No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	MXA Signal Analyzer	Agilent	N9020A	GTS566	June. 26 2019	June. 25 2020
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 26 2019	June. 25 2020
3	Spectrum Analyzer	Agilent	E4440A	GTS533	June. 26 2019	June. 25 2020
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	June. 26 2019	June. 25 2020
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	June. 26 2019	June. 25 2020
6	USB RF Power Sensor	DARE	RPR3006W	GTS569	June. 26 2019	June. 25 2020
7	RF Switch Box	Shongyi	RFSW3003328	GTS571	June. 26 2019	June. 25 2020
8	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	June. 26 2019	June. 25 2020

Gene	eral used equipment:					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Humidity/ Temperature Indicator	KTJ	TA328	GTS243	June. 26 2019	June. 25 2020
2	Barometer	ChangChun	DYM3	GTS255	June. 26 2019	June. 25 2020



7 Test results and Measurement Data

7.1 Antenna requirement

Standard requirement:	FCC Part15 C Section 15.203 /247(c)
15.203 requirement:	
responsible party shall be us antenna that uses a unique	be designed to ensure that no antenna other than that furnished by the sed with the device. The use of a permanently attached antenna or of an coupling to the intentional radiator, the manufacturer may design the unit n be replaced by the user, but the use of a standard antenna jack or bited.
15.247(c) (1)(i) requiremen	t:
operations may employ trans	2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point smitting antennas with directional gain greater than 6dBi provided the power of the intentional radiator is reduced by 1 dB for every 3 dB that the na exceeds 6dBi.
E.U.T Antenna:	
The antenna is PCB antenna for details	a, the best case gain of the antenna is 2.1dBi, reference to the appendix II



7.2 Conducted Output Power

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance v05r02
Limit:	30dBm
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

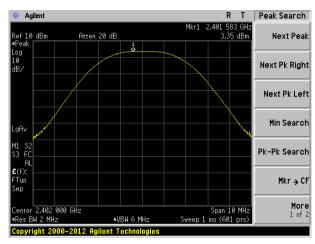
Measurement Data

Test channel	Peak Output Power (dBm)	Limit(dBm)	Result
Lowest	3.35		
Middle	3.15	30.00	Pass
Highest	2.76		

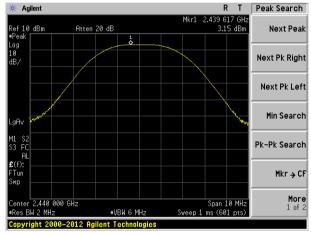


Test plot as follows:

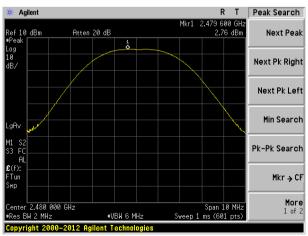
Report No.: GTS202005000106F01



Lowest channel



Middle channel



Highest channel



7.3 Channel Bandwidth

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance v05r02
Limit:	>500KHz
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

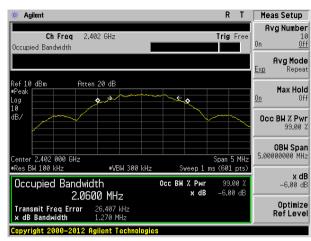
Measurement Data

Test channel	Channel Bandwidth (MHz)	Limit(KHz)	Result
Lowest	1.270		
Middle	1.268	>500	Pass
Highest	1.236		

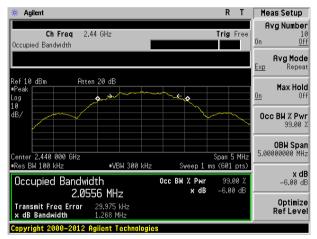


Test plot as follows:

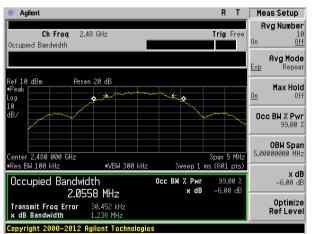
Report No.: GTS202005000106F01



Lowest channel



Middle channel



Highest channel



7.4 Power Spectral Density

Test Requirement:	FCC Part15 C Section 15.247 (e)
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance v05r02
Limit:	8dBm/3kHz
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

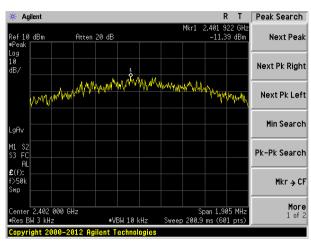
Measurement Data

Test channel	Power Spectral Density (dBm)	Limit(dBm/3kHz)	Result
Lowest	-11.39		
Middle	-11.41	8.00	Pass
Highest	-10.61		

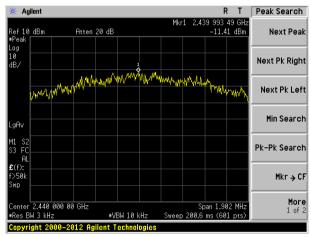


Test plot as follows:

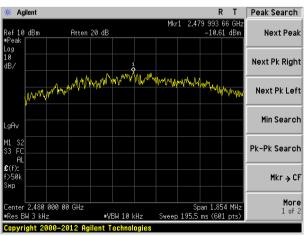
Report No.: GTS202005000106F01



Lowest channel



Middle channel



Highest channel

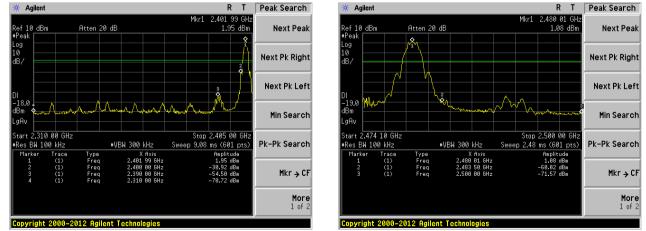


7.5 Band edges

7.5.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance v05r02
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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.
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Test plot as follows:



Lowest channel

Highest channel



7.5.2 Radiated Emission Method

Test Requirement:	FCC Part15 C S	Section 15.20	9 and 15.205		
Test Method:	ANSI C63.10:20)13			
Test Frequency Range:	All of the restric 2500MHz) data			the worst ba	and's (2310MHz to
Test site:	Measurement D	istance: 3m			
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	Above 1GHz	Peak	1MHz	3MHz	Peak
	Above TGHZ	RMS	1MHz	3MHz	Average
Limit:	Freque	ncy	Limit (dBuV/	/m @3m)	Value
	Above 1	GH7	54.0		Average
Test setup:	7,00701	0112	74.0	0	Peak
	Tum Tables <150cm>		Test Antenna < 1m 4m >	*	
Test Procedure:	 the ground a determine the ground a determine the 2. The EUT was antenna, whi tower. 3. The antenna ground to de horizontal an measuremen 4. For each sus and then the and the rota a the maximum 5. The test-rece Specified Ba 6. If the emission the limit specified Ba 6. If the emission the limit specified Ba 7. The radiation And found th worst case measuremen 	t a 3 meter ca e position of t s set 3 meters ch was moun height is vari termine the m d vertical pola it. pected emiss antenna was table was turn n reading. siver system v ndwidth with on level of the ified, then tes ould be repor hargin would be age method a measurement e X axis positioned is record	amber. The tal he highest rac s away from th ted on the top ed from one m naximum value arizations of th sion, the EUT tuned to heig ned from 0 de was set to Pea Maximum Hol EUT in peak sting could be ted. Otherwis be re-tested of as specified ar ints are perform ioning which i led in the repo	ble was rota diation. The interference of a variable neter to four e of the field the antenna a was arrange hts from 1 m grees to 360 ak Detect Fu d Mode. mode was 1 stopped and e the emission of then report med in X, Y, t is worse ca	e-height antenna meters above the strength. Both are set to make the ed to its worst case heter to 4 meters 0 degrees to find anction and
Test Instruments:	Refer to section				
Test mode:	Refer to section	5.2 for detail	S		
Test results:	Pass				

Global United Technology Services Co., Ltd. No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102 Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960



Measurement Data

Lowest

Test channel: Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	40.55	27.91	5.30	24.64	49.12	74.00	-24.88	Horizontal
2390.00	44.00	27.59	5.38	24.71	52.26	74.00	-21.74	Horizontal
2400.00	45.68	27.41	5.39	24.72	53.76	74.00	-20.24	Horizontal
2310.00	40.87	27.91	5.30	24.64	49.44	74.00	-24.56	Vertical
2390.00	44.79	27.59	5.38	24.71	53.05	74.00	-20.95	Vertical
2400.00	46.00	27.41	5.39	24.72	54.08	74.00	-19.92	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	31.62	27.91	5.30	24.64	40.19	54.00	-13.81	Horizontal
2390.00	32.72	27.59	5.38	24.71	40.98	54.00	-13.02	Horizontal
2400.00	33.16	27.41	5.39	24.72	41.24	54.00	-12.76	Horizontal
2310.00	31.40	27.91	5.30	24.64	39.97	54.00	-14.03	Vertical
2390.00	33.15	27.59	5.38	24.71	41.41	54.00	-12.59	Vertical
2400.00	34.42	27.41	5.39	24.72	42.50	54.00	-11.50	Vertical

Test channel:

Highest

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	42.37	27.53	5.47	24.80	50.57	74.00	-23.43	Vertical
2500.00	41.99	27.55	5.49	24.86	50.17	74.00	-23.83	Vertical
2483.50	42.83	27.53	5.47	24.80	51.03	74.00	-22.97	Horizontal
2500.00	42.77	27.55	5.49	24.86	50.95	74.00	-23.05	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	32.42	27.53	5.47	24.80	40.62	54.00	-13.38	Vertical
2500.00	32.76	27.55	5.49	24.86	40.94	54.00	-13.06	Vertical
2483.50	33.75	27.53	5.47	24.80	41.95	54.00	-12.05	Horizontal
2500.00	32.49	27.55	5.49	24.86	40.67	54.00	-13.33	Horizontal

Remarks:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

2. The emission levels of other frequencies are very lower than the limit and not show in test report.

3. The pre-test were performed on lowest, middle and highest frequencies, only the worst case's (lowest and highest frequencies) data was showed.

Global United Technology Services Co., Ltd. No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102 Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960



7.6 Spurious Emission

7.6.1 Conducted Emission Method

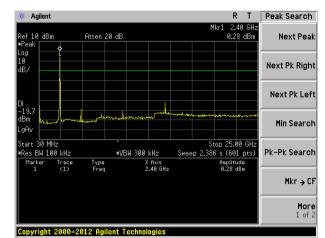
Test Requirement:	FCC Part15 C Section 15.247 (d)					
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance v05r02					
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by 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.					
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane					
Test Instruments:	Refer to section 6.0 for details					
Test mode:	Refer to section 5.2 for details					
Test results:	Pass					



Test plot as follows:

Lowest channel

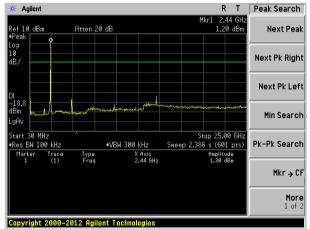
Report No.: GTS202005000106F01



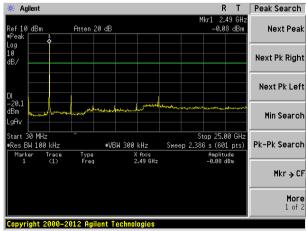
30MHz~25GHz

Middle channel

Highest channel



30MHz~25GHz



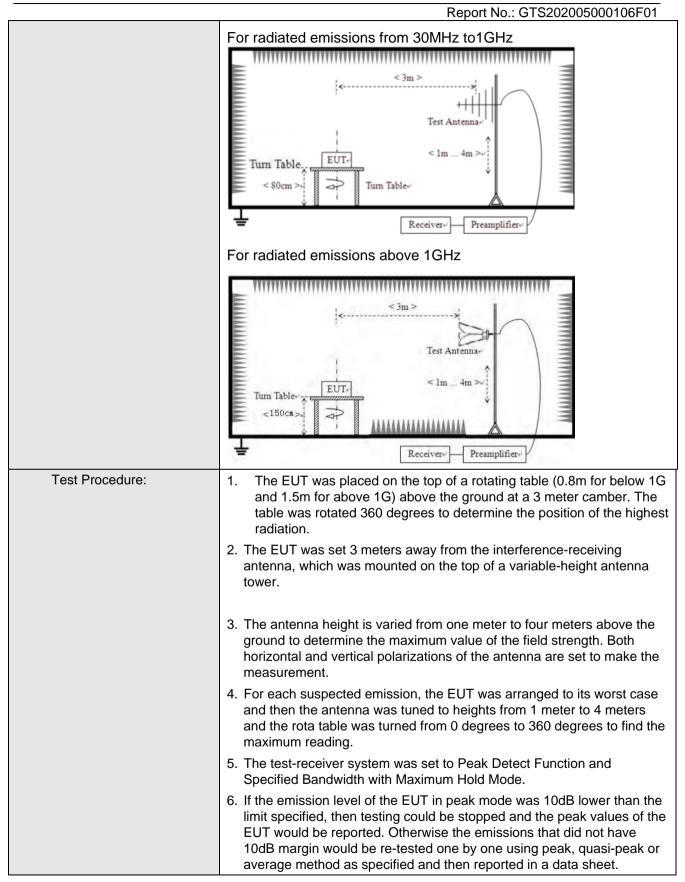




7.6.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209								
Test Method:	ANSI C63.10:2013								
Test Frequency Range:	9kHz to 25GHz								
Test site:	Measurement Distar	nce: (3m						
Receiver setup:	Frequency	Ľ	Detector	RB	W	VBW	V	alue	
	9KHz-150KHz	Qu	lasi-peak	200	Hz	600Hz	z Qua	si-peak	
	150KHz-30MHz	Qi	ıasi-peak	9Kł	Ηz	30KH:	z Qua	si-peak	
	30MHz-1GHz	Qı	lasi-peak	120k	(Hz	300KH	lz Qua	si-peak	
	Above 1GHz		Peak	1MI	Ηz	3MHz	: P	eak	
	Above IGHZ		Peak	1MI	Ηz	10Hz	Ave	erage	
Limit:	Frequency		Limit (u∖	//m)	V	alue/	Measu Dista		
	0.009MHz-0.490M	Hz	2400/F(k	(Hz)		QP	300)m	
	0.490MHz-1.705MHz		24000/F(KHz)		QP		30m		
	1.705MHz-30MH	Z	30		QP		30m		
	30MHz-88MHz		100			QP			
	88MHz-216MHz		150			QP		3m	
	216MHz-960MH	Z	200			QP	3r		
	960MHz-1GHz		500		QP				
	Above 1GHz		500		Average				
			5000		Peak				
Test setup:	For radiated emiss	ions	from 9kH	z to 30	OMH	Z			
	<pre></pre>								







Report No.: GTS202005000106						00106F01	
Test Instruments:	Refer to section 6.0 for details						
Test mode:	Refer to section 5.2 for details						
Test environment:	Temp.:	25 °C	Humid.:	52%	Press.:	1012mbar	
Test voltage:	AC 120V, 60Hz						
Test results:	Pass						

Measurement data:

Remark:

Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.

■ 9kHz~30MHz

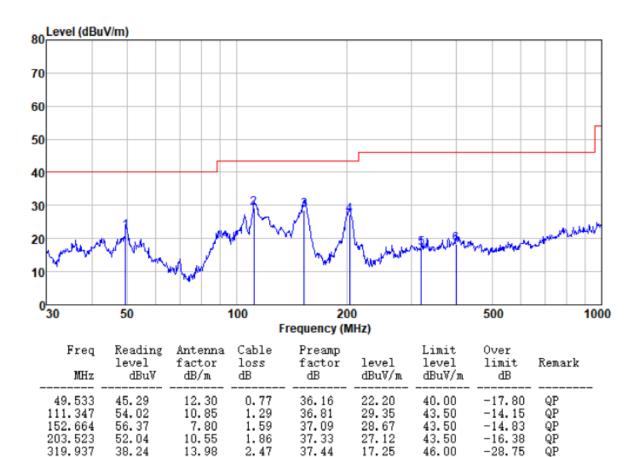
The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.



Below 1GHz

Pre-scan all test modes, found worst case at 2480MHz, and so only show the test result of 2480MHz

Horizontal:



37.52

18.28

46.00

2.85

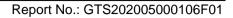
15.30

37.65

399.030

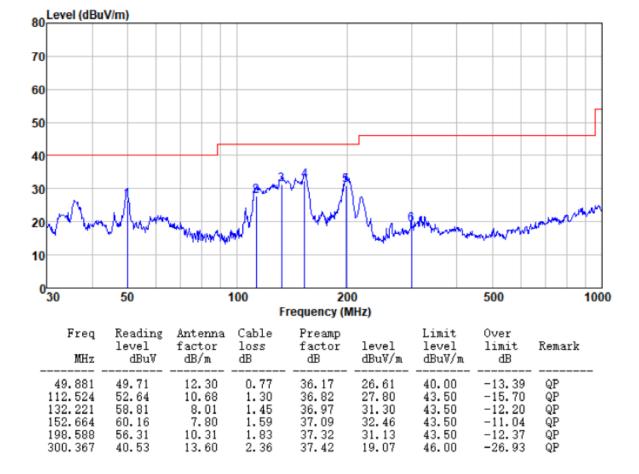
-27.72

QP





Vertical:





Above 1GHz

Report No.: GTS202005000106F01

Test channel	:			Lov	vest			
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4804.00	35.62	31.78	8.60	32.09	43.91	74.00	-30.09	Vertical
7206.00	30.71	36.15	11.65	32.00	46.51	74.00	-27.49	Vertical
9608.00	30.47	37.95	14.14	31.62	50.94	74.00	-23.06	Vertical
12010.00	*					74.00		Vertical
14412.00	*					74.00		Vertical
4804.00	39.56	31.78	8.60	32.09	47.85	74.00	-26.15	Horizontal
7206.00	32.32	36.15	11.65	32.00	48.12	74.00	-25.88	Horizontal
9608.00	29.74	37.95	14.14	31.62	50.21	74.00	-23.79	Horizontal
12010.00	*					74.00		Horizontal
14412.00	*					74.00		Horizontal
Average val	ue:							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4804.00	24.75	31.78	8.60	32.09	33.04	54.00	-20.96	Vertical
7206.00	19.59	36.15	11.65	32.00	35.39	54.00	-18.61	Vertical
9608.00	18.77	37.95	14.14	31.62	39.24	54.00	-14.76	Vertical
12010.00	*					54.00		Vertical
14412.00	*					54.00		Vertical
4804.00	28.79	31.78	8.60	32.09	37.08	54.00	-16.92	Horizontal
7206.00	21.65	36.15	11.65	32.00	37.45	54.00	-16.55	Horizontal
9608.00	18.36	37.95	14.14	31.62	38.83	54.00	-15.17	Horizontal
12010.00	*					54.00		Horizontal
14412.00	*					54.00		Horizontal



Test channel	:			Mid	ldle			
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4880.00	35.61	31.85	8.67	32.12	44.01	74.00	-29.99	Vertical
7320.00	30.71	36.37	11.72	31.89	46.91	74.00	-27.09	Vertical
9760.00	30.47	38.35	14.25	31.62	51.45	74.00	-22.55	Vertical
12200.00	*					74.00		Vertical
14640.00	*					74.00		Vertical
4880.00	39.55	31.85	8.67	32.12	47.95	74.00	-26.05	Horizontal
7320.00	32.31	36.37	11.72	31.89	48.51	74.00	-25.49	Horizontal
9760.00	29.73	38.35	14.25	31.62	50.71	74.00	-23.29	Horizontal
12200.00	*					74.00		Horizontal
14640.00	*					74.00		Horizontal
Average val	ue:	-			-			
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4880.00	24.75	31.85	8.67	32.12	33.15	54.00	-20.85	Vertical
7320.00	19.59	36.37	11.72	31.89	35.79	54.00	-18.21	Vertical
9760.00	18.77	38.35	14.25	31.62	39.75	54.00	-14.25	Vertical
12200.00	*					54.00		Vertical
14640.00	*					54.00		Vertical
4880.00	28.79	31.85	8.67	32.12	37.19	54.00	-16.81	Horizontal
7320.00	21.65	36.37	11.72	31.89	37.85	54.00	-16.15	Horizontal
9760.00	18.36	38.35	14.25	31.62	39.34	54.00	-14.66	Horizontal
12200.00	*					54.00		Horizontal
14640.00	*					54.00		Horizontal



Test channel	:			Hig	hest			
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4960.00	35.53	31.93	8.73	32.16	44.03	74.00	-29.97	Vertical
7440.00	30.65	36.59	11.79	31.78	47.25	74.00	-26.75	Vertical
9920.00	30.42	38.81	14.38	31.88	51.73	74.00	-22.27	Vertical
12400.00	*					74.00		Vertical
14880.00	*					74.00		Vertical
4960.00	39.45	31.93	8.73	32.16	47.95	74.00	-26.05	Horizontal
7440.00	32.25	36.59	11.79	31.78	48.85	74.00	-25.15	Horizontal
9920.00	29.67	38.81	14.38	31.88	50.98	74.00	-23.02	Horizontal
12400.00	*					74.00		Horizontal
14880.00	*					74.00		Horizontal
Average val	ue:							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4960.00	24.71	31.93	8.73	32.16	33.21	54.00	-20.79	Vertical
7440.00	19.56	36.59	11.79	31.78	36.16	54.00	-17.84	Vertical
9920.00	18.75	38.81	14.38	31.88	40.06	54.00	-13.94	Vertical
12400.00	*					54.00		Vertical
14880.00	*					54.00		Vertical
4960.00	28.75	31.93	8.73	32.16	37.25	54.00	-16.75	Horizontal
7440.00	21.62	36.59	11.79	31.78	38.22	54.00	-15.78	Horizontal
9920.00	18.33	38.81	14.38	31.88	39.64	54.00	-14.36	Horizontal
12400.00	*					54.00		Horizontal
14880.00	*					54.00		Horizontal

Remarks:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor

2. "*", means this data is the too weak instrument of signal is unable to test.

3. The emission levels of other frequencies are very lower than the limit and not show in test report.



8 Test Setup Photo

Reference to the **appendix I** for details.

9 EUT Constructional Details

Reference to the **appendix II** for details.

-----End-----