

TEST REPORT

Applicant:	Feit Electric Company
Address of Applicant:	4901 Gregg Road, Pico Rivera, California 90660, United States
Manufacturer:	Signcomplex Limited
Address of Manufacturer:	No.70 Hexiang West Road, Heshan Industrial Park, Heshan, Guangdong, China
Factory:	SIGNCOMPLEX (THAILAND) COMPANY LIMITED
Address of Factory:	No.368/2 Moo.8 Mapkha Sub District, Nikhom phatthana District, Rayong 21180, Thailand.
Equipment Under Test (E	EUT)
Product Name:	Smart TV Backlight
Model No.:	TAPETV85/RGB/AG
FCC ID:	SYW-T34IMOD
Applicable standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247
Date of sample receipt:	August 19, 2024
Date of Test:	August 20-29, 2024
Date of report issued:	August 29, 2024
Test Result :	PASS *

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

Authorized Signature:



Robinson Luo Laboratory Manager

This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.



2 Version

Version No.	Date	Description		
00	August 29, 2024	Original		

brantly **Prepared By:** Date: August 29, 2024 Project Engineer opinson lund Check By: Date: August 29, 2024 Reviewer

GTS

Report No.: GTS2024080192F01

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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	Pass
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

No.	Item	Measurement Uncertainty
1	Radio Frequency	±7.25×10 ⁻⁸
2	Duty cycle	±0.37%
3	Occupied Bandwidth	±3%
4	RF conducted power	±0.75dB
5	RF power density	±3dB
6	Conducted Spurious emissions	±2.58dB
7	AC Power Line Conducted Emission	±3.44dB (0.15MHz ~ 30MHz)
13355		±3.1dB (9kHz-30MHz)
Carlos a	Radiated Spurious emission test	±3.8039dB (30MHz-200MHz)
8		±3.9679dB (200MHz-1GHz)
		±4.29dB (1GHz-18GHz)
		±3.30dB (18GHz-40GHz)
9	Temperature test	±1°C
10	Humidity test	±3%
11	Time	±3%



5 General Information

5.1 General Description of EUT

Product Name:	Smart TV Backlight
Model No.:	TAPETV85/RGB/AG
Test sample(s) ID:	GTS2024080192-1
Sample(s) Status:	Engineer sample
S/N:	TAPETV85RGBAG
Operation Frequency:	2402MHz~2480MHz
Channel Numbers:	40
Channel Separation:	2MHz
Modulation Type:	GFSK
Data Rate:	LE 1M PHY: 1 Mb/s
Antenna Type:	PCB Antenna
Antenna Gain:	-1.3dBi(Declared by applicant)
Power Supply:	Class 2 power unit
	Model: FEI12V1A/PA
	Input: AC 100-240V, 50/60Hz, 0.3A Max
	Output: DC 12V, 1.0A

Remark:

1. Antenna gain information provided by the customer

2. The relevant information of the sample is provided by the entrusting company, and the laboratory is not responsible for its authenticity.



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

mode Keep the EUT in continuously transmitting mode.

5.3 Description of Support Units

None.

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 Designation Number: CN5029 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. • ISED—Registration No.: 9079A CAB identifier: CN0091

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of ISED for radio equipment testing

• NVLAP (LAB CODE:600179-0)

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).

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
1.1.1.1	Road, Baoan District, Shenzhen, Guangdong, China 518102
	Tel: 0755-27798480
	Fax: 0755-27798960

5.8 Additional Instructions

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

6 Test Instruments list

Radia	Radiated Emission:							
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)		
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS250	June 22, 2024	June 21, 2027		
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	April 11, 2024	April 10, 2025		
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9168	GTS640	March 19, 2023	March 18, 2025		
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	April 17, 2023	April 16, 2025		
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A		
7	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	April 11, 2024	April 10, 2025		
8	Loop Antenna	ZHINAN	ZN30900A	GTS534	Nov. 13, 2023	Nov.12, 2024		
9	Broadband Preamplifier	SCHWARZBECK	BBV9718	GTS535	April 11, 2024	April 10, 2025		
10	Amplifier(1GHz-26.5GHz)	HP	8449B	GTS601	April 11, 2024	April 10, 2025		
11	Horn Antenna (18- 26.5GHz)	/	UG-598A/U	GTS664	Oct. 29, 2023	Oct. 28, 2024		
12	Horn Antenna (26.5-40GHz)	A.H Systems	SAS-573	GTS665	Oct. 29, 2023	Oct. 28, 2024		
13	FSV-Signal Analyzer (10Hz-40GHz)	Keysight	FSV-40-N	GTS666	March 12, 2024	March 11, 2025		
14	Amplifier	/	LNA-1000-30S	GTS650	April 11, 2024	April 10, 2025		
15	CDNE M2+M3-16A	НСТ	30MHz-300MHz	GTS692	Nov. 08, 2023	Nov.07, 2024		
16	Wideband Amplifier	1	WDA-01004000-15P35	GTS602	April 11, 2024	April 10, 2025		
17	Thermo meter	JINCHUANG	GSP-8A	GTS643	April 18, 2024	April 17, 2025		
18	RE cable 1	GTS	N/A	GTS675	July 02. 2024	July 01. 2025		
19	RE cable 2	GTS	N/A	GTS676	July 02. 2024	July 01. 2025		
20	RE cable 3	GTS	N/A	GTS677	July 02. 2024	July 01. 2025		
21	RE cable 4	GTS	N/A	GTS678	July 02. 2024	July 01. 2025		
22	RE cable 5	GTS	N/A	GTS679	July 02. 2024	July 01. 2025		
23	RE cable 6	GTS	N/A	GTS680	July 02. 2024	July 01. 2025		
24	RE cable 7	GTS	N/A	GTS681	July 05. 2024	July 04. 2025		
25	RE cable 8	GTS	N/A	GTS682	July 05. 2024	July 04. 2025		



Cond	Conducted Emission								
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)			
1	Shielding Room	ZhongYu Electron	7.3(L)x3.1(W)x2.9(H)	GTS252	July 12, 2022	July 11, 2027			
2	EMI Test Receiver	R&S	ESCI 7	GTS552	April 11, 2024	April 10, 2025			
3	LISN	ROHDE & SCHWARZ	ENV216	GTS226	April 11, 2024	April 10, 2025			
4	Coaxial Cable	GTS	N/A	GTS227	N/A	N/A			
5	EMI Test Software	AUDIX	E3	N/A	N/A	N/A			
6	Thermo meter	JINCHUANG	GSP-8A	GTS642	April 18, 2024	April 17, 2025			
7	Absorbing clamp	Elektronik- Feinmechanik	MDS21	GTS229	April 11, 2024	April 10, 2025			
8	ISN	SCHWARZBECK	NTFM 8158	GTS565	April 11, 2024	April 10, 2025			
9	High voltage probe	SCHWARZBECK	TK9420	GTS537	April 11, 2024	April 10, 2025			
10	Antenna end assembly	Weinschel	1870A	GTS560	April 11, 2024	April 10, 2025			

RF Co	RF Conducted Test:							
Item	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	April 11, 2024	April 10, 2025		
2	EMI Test Receiver	R&S	ESCI 7	GTS552	April 11, 2024	April 10, 2025		
3	PSA Series Spectrum Analyzer	Agilent	E4440A	GTS536	April 11, 2024	April 10, 2025		
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	April 11, 2024	April 10, 2025		
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	April 11, 2024	April 10, 2025		
6	USB RF Power Sensor	DARE	RPR3006W	GTS569	April 11, 2024	April 10, 2025		
7	RF Switch Box	Shongyi	RFSW3003328	GTS571	April 11, 2024	April 10, 2025		
8	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	April 11, 2024	April 10, 2025		
9	Thermo meter	JINCHUANG	GSP-8A	GTS641	April 18, 2024	April 17, 2025		
10	EXA Signal Analyzer	Keysight	N9010B	MY60241168	Nov. 03, 2023	Nov. 02, 2024		

Ger	General used equipment:							
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)		
1	Barometer	KUMAO	SF132	GTS647	April 18, 2024	April 17, 2025		



7 Test results and Measurement Data

7.1 Antenna requirement

Standard requirement:	Standard requirement: FCC Part15 C Section 15.203 /247(c)						
15.203 requirement:							
responsible party shall be use antenna that uses a unique co so that a broken antenna can	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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.						
15.247(c) (1)(i) requirement:	15.247(c) (1)(i) requirement:						
operations may employ transmaximum conducted output p	(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.						
E.U.T Antenna:	E.U.T Antenna:						
The antenna is PCB antenna,	The antenna is PCB antenna, reference to the appendix II for details						



7.2 Conducted Emissions

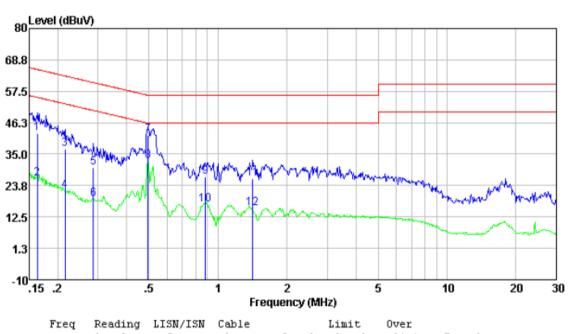
Test Requirement:	FCC Part15 C Section 15.207							
Test Method:	ANSI C63.10:2013							
Test Frequency Range:	150KHz to 30MHz							
Receiver setup:	RBW=9KHz, VBW=30KHz, S	weep time=auto						
Limit:	Frequency range (MHz)							
		Quasi-peak Average						
	0.15-0.5 66 to 56* 56 to 46*							
	0.5-5 56 46 5-30 60 50							
	* Decreases with the logarithm							
Test setup:	Reference Plane							
	AUX E.U.T Equipment E.U.T Test table/Insulation plane Remark E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m	EMI Receiver	AC power					
Test procedure:	 The E.U.T and simulators a line impedance stabilization 50ohm/50uH coupling impediate 2. The peripheral devices are LISN that provides a 50ohr termination. (Please refer to photographs). Both sides of A.C. line are interference. In order to find positions of equipment and according to ANSI C63.10: 	n network (L.I.S.N.). T edance for the measu also connected to th n/50uH coupling impe the block diagram of checked for maximur d the maximum emiss all of the interface ca 2013 on conducted n	This provides a uring equipment e main power edance with 50 of the test setu m conducted sion, the relative ables must be	a ht. through a Dohm p and ve				
Test Instruments:	Refer to section 6.0 for details							
Test mode:	Refer to section 5.2 for details							
Test environment:	Temp.: 25 °C Hun	nid.: 52%	Press.:	1012mbar				
Test voltage:	AC 120V, 60Hz							
Test results:	Pass							



Measurement data

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Pre-scan all test modes, found worst case at 2402MHz, and so only show the test result of 2402MHz Line

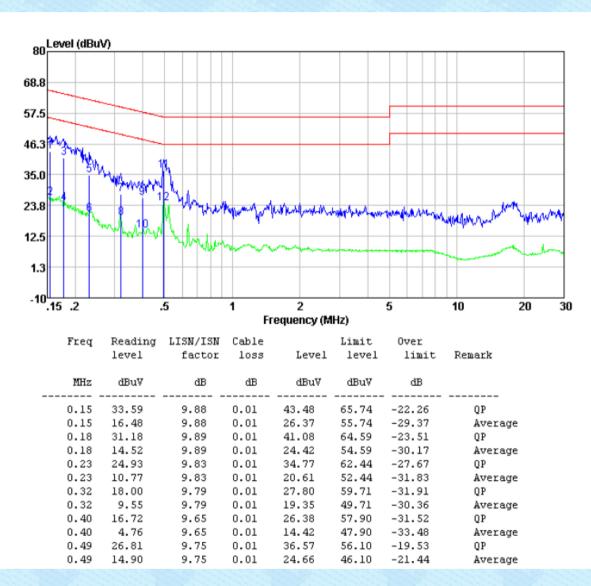


	level	factor	loss	Level	level	limit	Remark
MHz	dBuV	dB	dB	dBuV	dBuV	dB	
0.16	32.53	9.94	0.01	42.48	65.34	-22.86	QP
0.16	16.39	9.94	0.01	26.34	55.34	-29.00	Average
0.22	27.10	9.56	0.01	36.67	63.01	-26.34	QP
0.22	12.42	9.56	0.01	21.99	53.01	-31.02	Average
0.29	20.54	9.65	0.01	30.20	60.63	-30.43	QP
0.29	9.31	9.65	0.01	18.97	50.63	-31.66	Average
0.49	31.96	9.86	0.01	41.83	56.10	-14.27	QP
0.49	22.67	9.86	0.01	32.54	46.10	-13.56	Average
0.88	17.10	9.71	0.03	26.84	56.00	-29.16	QP
0.88	7.00	9.71	0.03	16.74	46.00	-29.26	Average
1.42	16.53	9.51	0.04	26.08	56.00	-29.92	QP
1.42	5.88	9.51	0.04	15.43	46.00	-30.57	Average

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Neutral

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Notes:

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss
- 4. If the average limit is met when using a quasi-peak detector receiver, the EUT shall be deemed to meet both limits and measurement with the average detector receiver is unnecessary.



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7.3 Conducted Output Power

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)					
Test Method:	ANSI C63.10:2013					
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					

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7.4 Channel Bandwidth

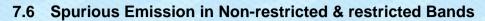
Test Requirement:	FCC Part15 C Section 15.247 (a)(2)					
Test Method:	ANSI C63.10:2013					
Limit:	>500KHz					
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane					
Test Instruments:	Refer to section 6.0 for details					
Test mode:	Refer to section 5.2 for details				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



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7.5 Power Spectral Density

Test Requirement:	FCC Part15 C Section 15.247 (e)					
Test Method:	ANSI C63.10:2013					
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					



7.6.1 Conducted Emission Method

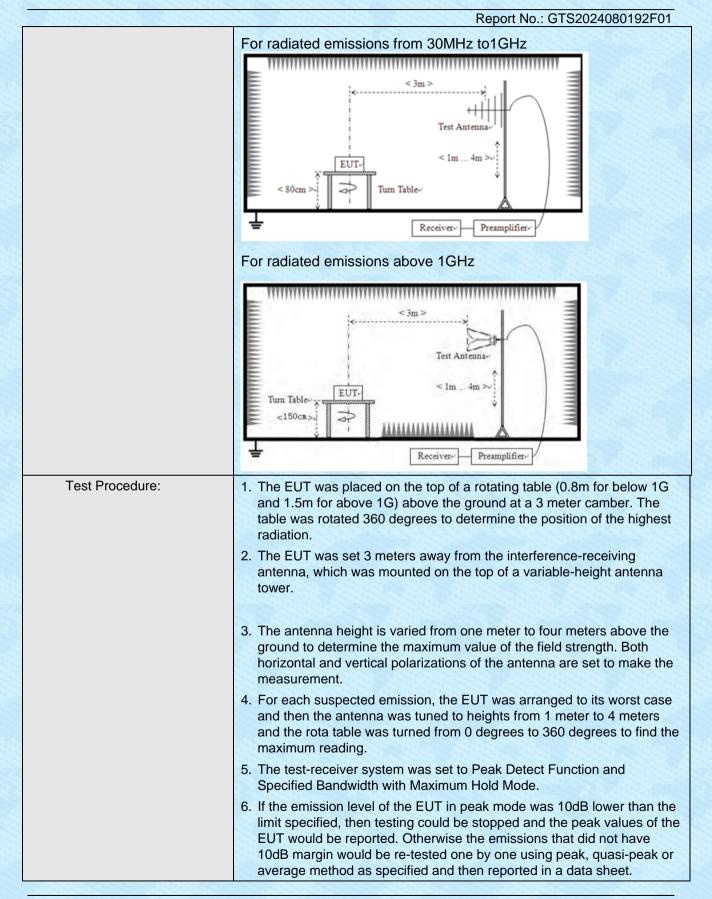
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Test Requirement:	FCC Part15 C Section 15.247 (d)					
Test Method:	ANSI C63.10:2013					
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced 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					

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 Distance: 3m						
Receiver setup:	Frequency Detector RBW VBW Va						
	9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak		
	150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak		
	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak		
	Above 1GHz	Peak	1MHz	3MHz	Peak		
	Above ronz	Peak	1MHz	10Hz	Average		
	Note: For Duty cycle cycle < 98%, averag				A DAY THE TAX A DAY A DAY AND A		
Limit:	Frequency	Limit (u\	//m)	Value	Measurement Distance		
	0.009MHz-0.490M	IHz 2400/F(ł	(Hz) QI	P/PK/AV	300m		
	0.490MHz-1.705M	KHz)	QP	30m			
	1.705MHz-30MH	lz 30		QP	30m		
	30MHz-88MHz	100		QP			
	88MHz-216MHz	z 150		QP			
	216MHz-960MH	z 200		QP	3m		
	960MHz-1GHz	500	1211	QP	Sin		
	Above 1GHz	500	A	verage			
	710010112	5000)	Peak			
Test setup:	For radiated emiss	sions from 9kH	z to 30MH	z			
	<pre>< 3m ></pre>						

7.6.2 Radiated Emission Method





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



Report No.: GTS2024080192F01								
Test Instruments:	Refer to see	Refer to section 6.0 for details						
Test mode:	Refer to see	Refer to section 5.2 for details						
Test environment:	Temp.:	Temp.: 25 °C Humid.: 52% Press.: 1012						
Test voltage:	AC 120V, 6	AC 120V, 60Hz						
Test results:	Pass	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.

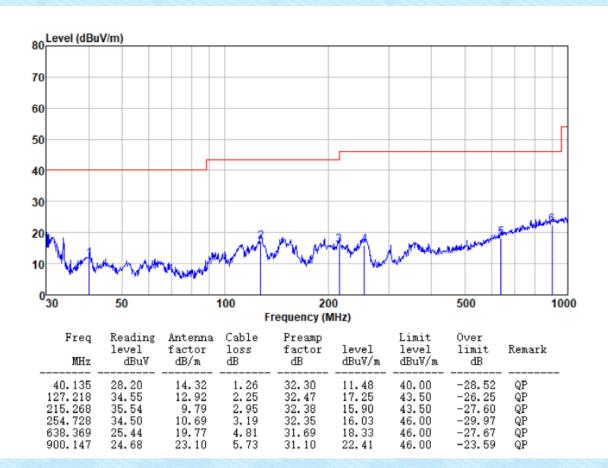
■ 9kHz~30MHz

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

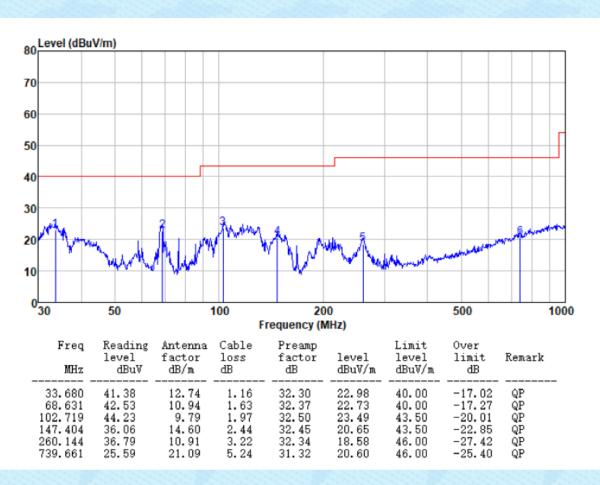
Pre-scan all test modes, found worst case at 2402MHz, and so only show the test result of 2402MHz Horizontal



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Vertical

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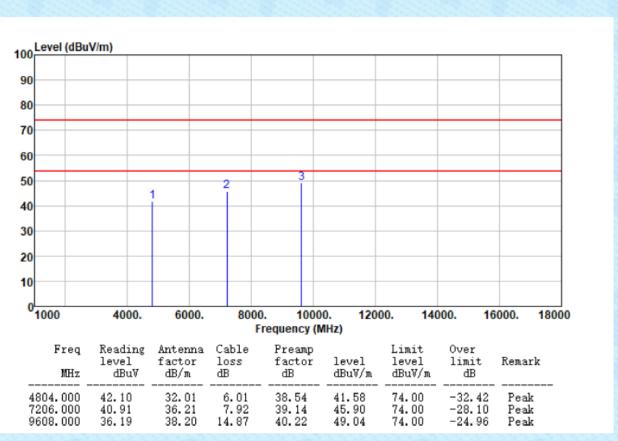


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Above 1GHz

Unwanted Emissions in Non-restricted Frequency Bands

	Test channel:	Lowest	Polarization:	Horizontal
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Test channel:	Lowest		Polarization:	V	/ertical
100 Level (dBu	V/m)				
90					
80					
70					
60					
50	1	2	3		
40					
30					
20					
10					
0 ¹ 1000	4000. 6000		10000. 120 uency (MHz)	000. 14000.	16000. 18000
Freq MHz	Reading Antenna level factor dBuV dB/m		Preamp Sactor level dB dBuV/m		ver imit Remark dB
4804.000 7206.000 9608.000	42.03 32.01 42.78 36.21 35.93 38.20	7.92 3	38.54 41.51 39.14 47.77 40.22 48.78	74.00 -:	 32.49 Peak 26.23 Peak 25.22 Peak



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Test channel:		Mid	dle		Pola	rization:		Hori	zontal
100	Level (dBu	V/m)							
90									
80									
70									
60									
50			1	2	3				
40									
30									
20									
10 0									
	1000	4000.	6000.	800)0. 1000 Frequency (N		00. 140	00. 16	000. 1800
	Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBu∛/m	Limit level dBuV/m	Over limit dB	Remark
7	1880.000 7320.000 9760.000	41.94 42.07 40.15	32.10 36.30 38.20	6.03 8.04 11.35	38.52 39.22 40.25	41.55 47.19 49.45	74.00 74.00 74.00	-32.45 -26.81 -24.55	Peak Peak Peak



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est channel:		Midd	le		Polari	zation:		Vertica	al
100	Level (dBu)	//m)							
90									
80									
70									
60									
50) 		4	2	3				
40									
30									
20									
10									
(1000	4000.	6000.	8000 Fr	1000 equency (N		00. 140	00. 16	000. 18000
	Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBu∛/m	Limit level dBu∛/m	Over limit dB	Remark
	4880.000 7320.000 9760.000	40.78 39.76 39.71	32.10 36.30 38.20	6.03 8.04 11.35	38.52 39.22 40.25	40.39 44.88 49.01	74.00 74.00 74.00 74.00	-33.61 -29.12 -24.99	Peak Peak Peak

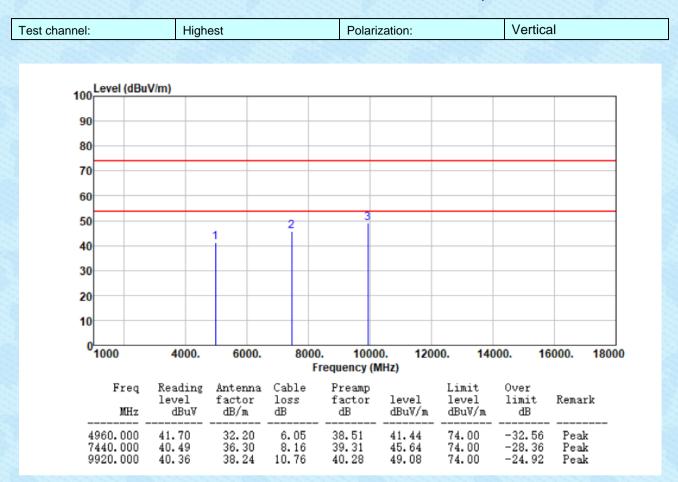


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Highest	Po	larization:	Horizontal
V/m)			
	2 3		
1			
4000. 6000.			14000. 16000. 1800
Reading Antenna level factor dBuV dB/m			limit Remark
40.93 32.20 40.68 36.30 41.03 38.24	6.05 38.51 8.16 39.31 10.76 40.28	40.67 74.00 45.83 74.00 49.75 74.00	-28.17 Peak
	V/m) V/m) 4000. 6000. Reading level factor dBuV dB/m 40.93 32.20 40.68 36.30	V/m) V/m) 4000. 6000. 8000. 100 Frequency Reading Antenna Cable Preamp level factor loss factor dBuV dB/m dB dB 40.93 32.20 6.05 38.51 40.68 36.30 8.16 39.31	V/m)



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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.



channel:	Lowest	Polarization:	Horizontal
Lovel (dPuV/m	, ,		
100 Level (dBuV/m)		
90			<u>A</u>
80			
70			
60			
50			
		and the state of the second	4
30	der er Rannak (der andere ander der Reining der son gester en der	₽₽₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩	ALL AND ALL ALL ALL ALL ALL ALL ALL ALL ALL AL
20			
10			
⁰ 2310 2320.	2330. 2340.	2350. 2360. 2370. Frequency (MHz)	2380. 2390. 2404
	eading Antenna Cab evel factor los dBuV dB/m dB	s factor level	Limit Over level limit Remark dBuV/m dB
2310.000 46	6.33 27.00 4.	13 39.14 38.32	54.00 -25.53 Average 74.00 -35.68 Peak 54.00 -26.79 Average

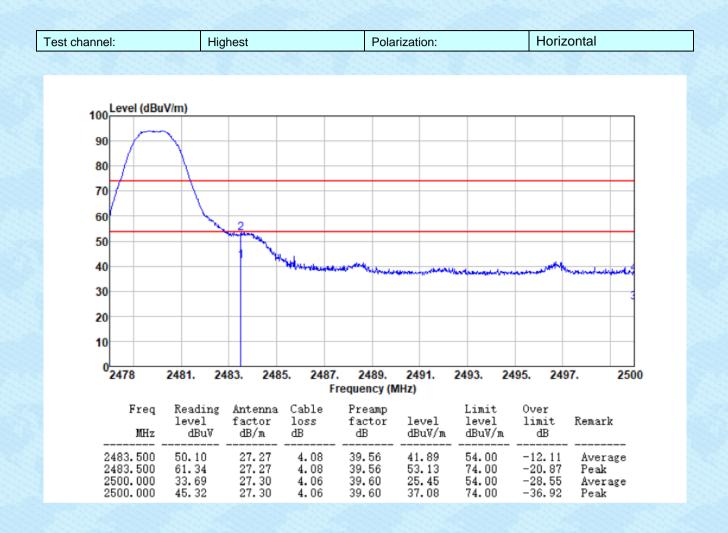
Unwanted Emissions in Restricted Frequency Bands



Report No.: GTS2024080192F01

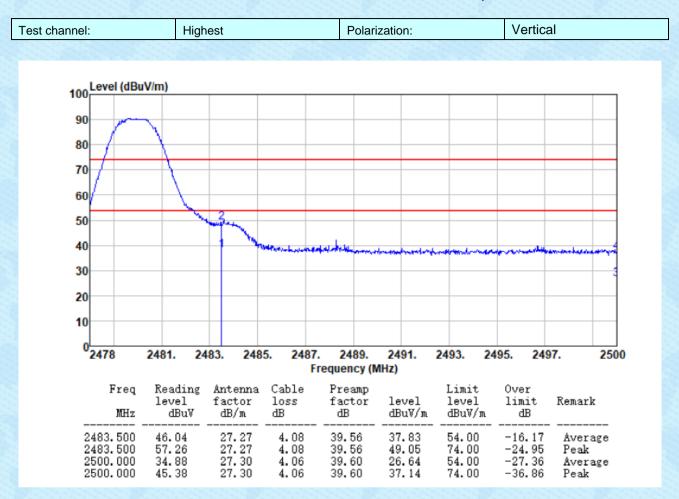
est channel:	Lo	owest		Po	larization:		Ver	tical
100 Level (dB	ıV/m)							
90								^
80								
70								
60								
50								
							4	1
30	nije Williamski de _{ser} ije na le	يذيرهم معهدهما الايم	*******	4~~~*****************************	en aleman an a			- aprend
							Î	
20								
10								
0 ² 2310 2	320. 233	30. 234		50. 236 requency (0. 2380). 2390	. 2404
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	dBu∛/m	Limit level dBuV/m	Over limit dB	Remark
2310.000 2310.000 2390.000 2390.000 2390.000	34.15 46.03 35.10 47.24	27.00 27.00 27.08 27.08	4.13 4.13 4.17 4.17	39.14 39.14 39.34 39.34	26.14 38.02 27.01 39.15	54.00 74.00 54.00 74.00 74.00	-27.86 -35.98 -26.99 -34.85	Average Peak Average Peak
2330.000	11.24	21.00	7.11	50.54	55.10	14.00	54.00	reak







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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.

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8 Test Setup Photo

Reference to the appendix I for details.

9 EUT Constructional Details

Reference to the appendix II for details.

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