



FCC TEST REPORT

For

Huizhou Jishunkang Industrial Co., Ltd

Extension Socket (with power adapter)

Test Model: GS-FT02WC

Additional Model No.: GS-FT02UW-2, GS-FT02UW-4

Prepared for : Huizhou Jishunkang Industrial Co., Ltd
Address : NO.5 FLOOR 7, BAFANGXINYUE PLAZA, NO.110 JIANGBEI
OF HUIZHOU ROAD, HUIZHOU CITY, GUANGDONG, CHINA

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.
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Date of receipt of test sample : October 27, 2022
Number of tested samples : 2
Serial number : A102522103-1(Engineer sample), A102522103-2(Normal
sample)
Date of Test : October 27, 2022 ~ November 02, 2022
Date of Report : November 03, 2022



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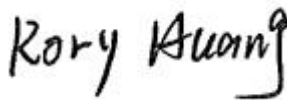
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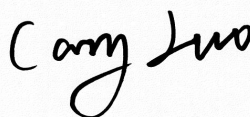
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**FCC TEST REPORT
FCC CFR 47 PART 15C****Report Reference No.** : LCSA102522103EA**Date Of Issue** : November 03, 2022**Testing Laboratory Name** : Shenzhen LCS Compliance Testing Laboratory Ltd.**Address** : 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Shajing Street,
Baoan District, Shenzhen, China**Testing Location/ Procedure** : Full application of Harmonised standards ■
Partial application of Harmonised standards □
Other standard testing method □**Applicant's Name** : Huizhou Jishunkang Industrial Co., Ltd**Address** : NO.5 FLOOR 7, BAFANGXINYUE PLAZA, NO.110 JIANGBEI OF
HUIZHOU ROAD, HUIZHOU CITY, GUANGDONG, CHINA**Test Specification****Standard** : FCC CFR 47 PART 15C**Test Report Form No.** : LCSEMC-1.0**TRF Originator** : Shenzhen LCS Compliance Testing Laboratory Ltd.**Master TRF** : Dated 2011-03**Shenzhen LCS Compliance Testing Laboratory Ltd. All rights reserved.**

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Test Item Description : Extension Socket (with power adapter)**Trade Mark** : JEOSTORM,  GEOS吉顺**Test Model** : GS-FT02WC**Power Supply** : Please Refer to Page 6**Result** : Positive**Compiled by:**

Rory Huang/ Administrator

Supervised by:

Cary Luo/ Technique principal

Approved by:

Gavin Liang/ Manager



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**FCC TEST REPORT**

Test Report No. : LCSA102522103EA	<u>November 03, 2022</u> Date of issue
---	---

Test Model.....	: GS-FT02WC
EUT.....	: Extension Socket (with power adapter)
Applicant.....	: Huizhou Jishunkang Industrial Co., Ltd
Address.....	: NO.5 FLOOR 7, BAFANGXINYUE PLAZA, NO.110 JIANGBEI OF HUIZHOU ROAD, HUIZHOU CITY, GUANGDONG, CHINA
Telephone.....	: /
Fax.....	: /
Manufacturer.....	: Huizhou Jishunkang Industrial Co., Ltd
Address.....	: NO.5 FLOOR 7, BAFANGXINYUE PLAZA, NO.110 JIANGBEI OF HUIZHOU ROAD, HUIZHOU CITY, GUANGDONG, CHINA
Telephone.....	: /
Fax.....	: /
Factory.....	: Guangdong Jishun Electrical Co.,Ltd
Address.....	: No.6, South District, Fuyu Village Industrial Zone, Zhanlong Town, Puning City, Guangdong Province 515300, China
Telephone.....	: /
Fax.....	: /

Test Result	Positive
--------------------	-----------------

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.



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Revision History

Report Version	Issue Date	Revision Content	Revised By
000	November 03, 2022	Initial Issue	--





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1. GENERAL INFORMATION

1.1 Description of Device (EUT)

EUT : Extension Socket (with power adapter)
Test Model : GS-FT02WC
Additional Model No. : GS-FT02UW-2, GS-FT02UW-4
Model Declaration : Only the power part of the circuit is different, everything else is the same.
Power Supply : Power rating: 15A 125Vac 1875W 60Hz
GS-FT02WC:
Single Type C port output: DC5V, 3A; DC9V, 2.2A; DC12V, 1.67A, 20W Max
Single USB-A1 port output: DC5V, 3A; DC9V, 2A; DC12V, 1.5A, 18W Max
Single USB-A2 port output: DC5V, 2.4A
Three port simultaneously total output DC5V, 3.4A (without wireless charging)
Three port simultaneously total output DC5V, 1.5A (while wireless charging)
Wireless Charging: DC 9V, 1.12A / (10W)
GS-FT02UW-2:
USB output: DC5V, 3A MAX
Single USB port output: DC5V, 1A MAX
Wireless Charging: DC 9V, 1.12A / (10W)
GS-FT02UW-4:
USB output: DC5V, 4.8A MAX
Single USB port output: DC5V, 2A MAX
Wireless Charging: DC 9V, 1.12A / (10W)
Hardware Version : /
Software Version : /
Wireless Charging :
Operating Frequency : 110.3~205.0KHz
Modulation Type : Continuous Wave
Antenna Type : Coil Antenna

1.2 Support equipment List

Manufacturer	Description	Model	Serial Number	Certificate
Huawei	Mobile phone	FRD-AL10	FRD-AL10C00B373	FCC

Note: Auxiliary equipment is provided by the laboratory.

1.3 External I/O Cable

I/O Port Description	Quantity	Cable
USB Port	2	N/A
Type-C USB Port	1	N/A



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1.4 Description of Test Facility

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024

CAB identifier is CN0071.

CNAS Registration Number is L4595.

Test Firm Registration Number: 254912.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4:2014 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.

1.5 Statement of the Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

1.6 Measurement Uncertainty

Test Item	Frequency Range	Uncertainty	Note
Radiation Uncertainty	9KHz~30MHz	3.10dB	(1)
	30MHz~200MHz	2.96dB	(1)
	200MHz~1000MHz	3.10dB	(1)
	1GHz~26.5GHz	3.80dB	(1)
	26.5GHz~40GHz	3.90dB	(1)
Conduction Uncertainty	150kHz~30MHz	1.63dB	(1)
Power disturbance	30MHz~300MHz	1.60dB	(1)

(1). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

1.7 Description of Test Modes

Equipment under test was operated during the measurement under the following conditions:

☒ Charging and communication mode

Modulation Type: CW (Continuous Wave)

Test Modes		
Mode 1	EUT + Mobile phone (Battery Status: <1%)	Record
Mode 2	EUT + Mobile phone (Battery Status: <50%)	Pre-tested
Mode 3	EUT + Mobile phone (Battery Status: 100%)	Pre-tested
Note: All test modes were pre-tested, but we only recorded the worst case in this report.		



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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10-2013, FCC CFR PART 15C 15.207.

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

The EUT was operated in the normal operating mode for Hopping Numbers and Dwell Time test and a continuous transmits mode for other tests.

According to its specifications, the EUT must comply with the requirements of the Section 15.207 under the FCC Rules Part 15 Subpart C.

2.3 General Test Procedures

2.3.1 Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 6.2.1 of ANSI C63.10-2013 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using Quasi-peak and average detector modes.

2.3.2 Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane below 1GHz and 1.5 m above ground plane above 1GHz. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 6.3 of ANSI C63.10-2013

2.4. Test Sample

The application provides 2 samples to meet requirement;

Sample Number	Description
Sample 1(A102522103-1)	Engineer sample – continuous transmit
Sample 2(A102522103-2)	Normal sample – Intermittent transmit



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3. SYSTEM TEST CONFIGURATION

3.1 Justification

The system was configured for testing in a normal condition.

3.2 EUT Exercise Software

N/A.

3.3 Special Accessories

No.	Equipment	Manufacturer	Model No.	Serial No.	Length	shielded/ unshielded	Notes
/	/	/	/	/	/	/	/

3.4 Block Diagram/Schematics

Please refer to the related document.

3.5 Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.

3.6 Test Setup

Please refer to the test setup photo.



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4. SUMMARY OF TEST EQUIPMENT

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	MXA Signal Analyzer	Agilent	N9020A	MY49100040	2022-06-16	2023-06-15
2	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2021-11-16	2022-11-15
3	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2022-06-16	2023-06-15
4	Positioning Controller	Max-Full	MF7802BS	MF780208586	N/A	N/A
5	EMI Test Software	AUDIX	E3	/	N/A	N/A
6	EMI Test Receiver	R&S	ESR 7	101181	2022-06-16	2023-06-15
7	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2021-08-29	2024-08-28
8	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2021-09-12	2024-09-11
9	EMI Test Receiver	R&S	ESPI	101940	2022-08-17	2023-08-16
10	Artificial Mains	R&S	ENV216	101288	2022-06-16	2023-06-15
11	10dB Attenuator	SCHWARZBECK	MTS-IMP-136	261115-001-0032	2022-06-16	2023-06-15
12	EMI Test Software	Farad	EZ	/	N/A	N/A
13	Broadband Preamplifier	SCHWARZBECK	BBV9745	9719-025	2022-06-16	2023-06-15



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5. SUMMARY OF TEST RESULT

FCC Rules	Description of Test	Test Sample	Result
§15.207(a)	AC Conducted Emissions	Sample 1	Compliant
§15.209	Radiated Spurious Emissions	Sample 1	Compliant
§15.215	20 dB Bandwidth	Sample 1	Compliant

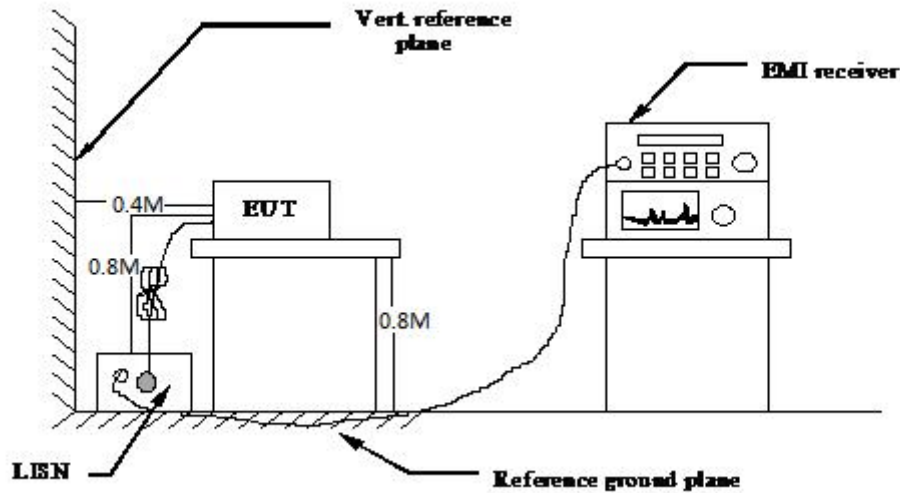
Remark: The measurement uncertainty is not included in the test result.
N/A – Not Applicable!!!





6. POWER LINE CONDUCTED MEASUREMENT

6.1. Block Diagram of Test Setup



6.2. Standard Applicable

According to §15.207: For all the consumer devices which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range are listed as follows:

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

* Decreasing linearly with the logarithm of the frequency

6.3 Test Results

PASS

The test data please refer to following page.

Temperature	23.9℃	Humidity	53.0%
Test Engineer	Nick Peng	Configurations	Transmit



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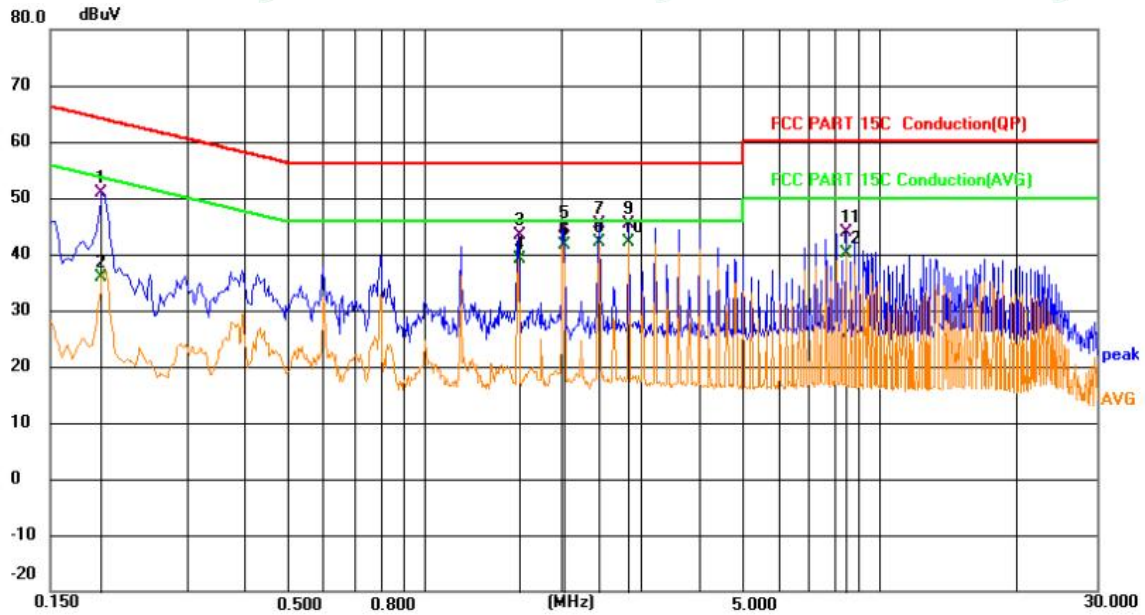
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**AC Power Line Conducted Emission (Power input to adapter @ AC 120V/60Hz (Worst Case))**

Model: GS-FT02WC

Line



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1951	31.25	19.63	50.88	63.82	-12.94	QP	
2		0.1951	16.35	19.63	35.98	53.82	-17.84	AVG	
3		1.6036	23.73	19.67	43.40	56.00	-12.60	QP	
4		1.6036	19.37	19.67	39.04	46.00	-6.96	AVG	
5		2.0221	24.92	19.68	44.60	56.00	-11.40	QP	
6		2.0221	22.01	19.68	41.69	46.00	-4.31	AVG	
7		2.4091	25.81	19.68	45.49	56.00	-10.51	QP	
8	*	2.4091	22.54	19.68	42.22	46.00	-3.78	AVG	
9		2.8096	25.71	19.68	45.39	56.00	-10.61	QP	
10		2.8096	22.41	19.68	42.09	46.00	-3.91	AVG	
11		8.4436	24.05	19.79	43.84	60.00	-16.16	QP	
12		8.4436	20.24	19.79	40.03	50.00	-9.97	AVG	



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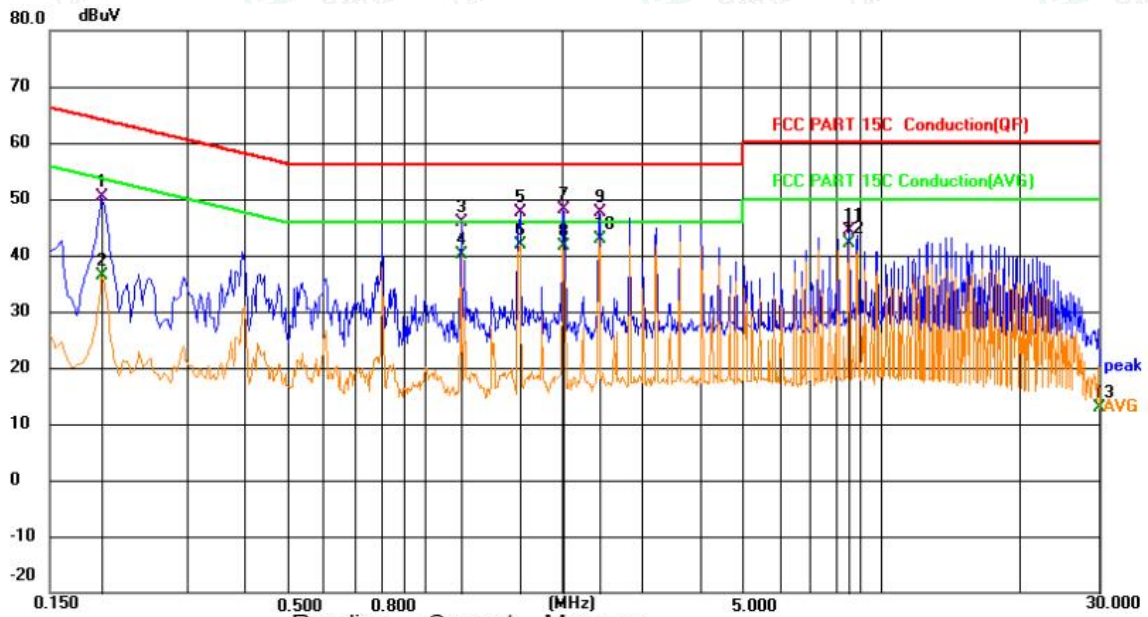
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Neutral



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
		MHz	Level dBuV	Factor dB	ment dBuV	dBuV	dB		
1		0.1951	30.86	19.63	50.49	63.82	-13.33	QP	
2		0.1951	16.87	19.63	36.50	53.82	-17.32	AVG	
3		1.1985	26.33	19.66	45.99	56.00	-10.01	QP	
4		1.1985	20.54	19.66	40.20	46.00	-5.80	AVG	
5		1.6171	27.91	19.67	47.58	56.00	-8.42	QP	
6		1.6171	22.16	19.67	41.83	46.00	-4.17	AVG	
7		2.0041	28.55	19.68	48.23	56.00	-7.77	QP	
8		2.0041	21.94	19.68	41.62	46.00	-4.38	AVG	
9		2.4046	27.98	19.70	47.68	56.00	-8.32	QP	
10	*	2.4046	23.07	19.70	42.77	46.00	-3.23	AVG	
11		8.5021	24.58	19.84	44.42	60.00	-15.58	QP	
12		8.5021	22.33	19.84	42.17	50.00	-7.83	AVG	
13		30.0000	-7.27	20.11	12.84	50.00	-37.16	AVG	



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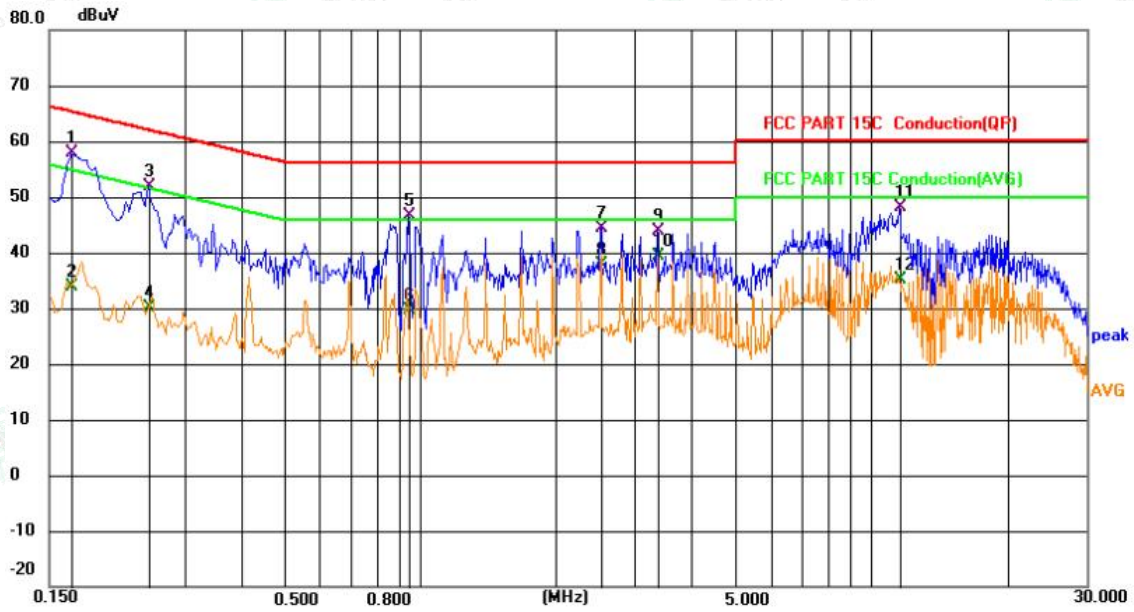
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Model: GS-FT02UW-4
Line



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector
		MHz	Level	Factor	ment			
			dBuV	dB	dBuV	dBuV	dB	
1		0.1681	38.13	19.63	57.76	65.05	-7.29	QP
2		0.1681	14.32	19.63	33.95	55.05	-21.10	AVG
3		0.2491	32.17	19.63	51.80	61.79	-9.99	QP
4		0.2491	10.41	19.63	30.04	51.79	-21.75	AVG
5		0.9421	26.97	19.65	46.62	56.00	-9.38	QP
6		0.9421	10.00	19.65	29.65	46.00	-16.35	AVG
7		2.5126	24.65	19.68	44.33	56.00	-11.67	QP
8		2.5126	18.16	19.68	37.84	46.00	-8.16	AVG
9		3.3541	24.15	19.70	43.85	56.00	-12.15	QP
10	*	3.3541	19.61	19.70	39.31	46.00	-6.69	AVG
11		11.5261	28.20	19.84	48.04	60.00	-11.96	QP
12		11.5261	15.41	19.84	35.25	50.00	-14.75	AVG



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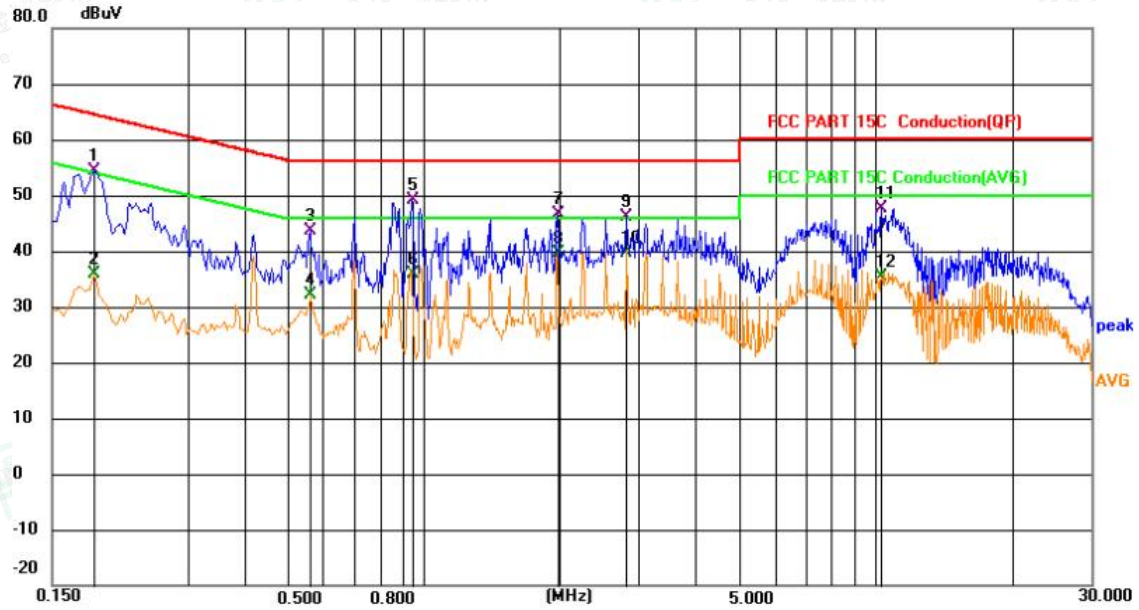
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Neutral



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	
		MHz	Level	Factor	ment			Detector
			dBuV	dB	dBuV	dBuV	dB	
1		0.1861	34.81	19.63	54.44	64.21	-9.77	QP
2		0.1861	16.31	19.63	35.94	54.21	-18.27	AVG
3		0.5596	24.04	19.65	43.69	56.00	-12.31	QP
4		0.5596	12.45	19.65	32.10	46.00	-13.90	AVG
5		0.9421	29.49	19.65	49.14	56.00	-6.86	QP
6		0.9421	16.12	19.65	35.77	46.00	-10.23	AVG
7		1.9726	26.85	19.68	46.53	56.00	-9.47	QP
8		1.9726	19.83	19.68	39.51	46.00	-6.49	AVG
9		2.8051	26.31	19.72	46.03	56.00	-9.97	QP
10	*	2.8051	19.99	19.72	39.71	46.00	-6.29	AVG
11		10.3201	27.74	19.85	47.59	60.00	-12.41	QP
12		10.3201	15.58	19.85	35.43	50.00	-14.57	AVG



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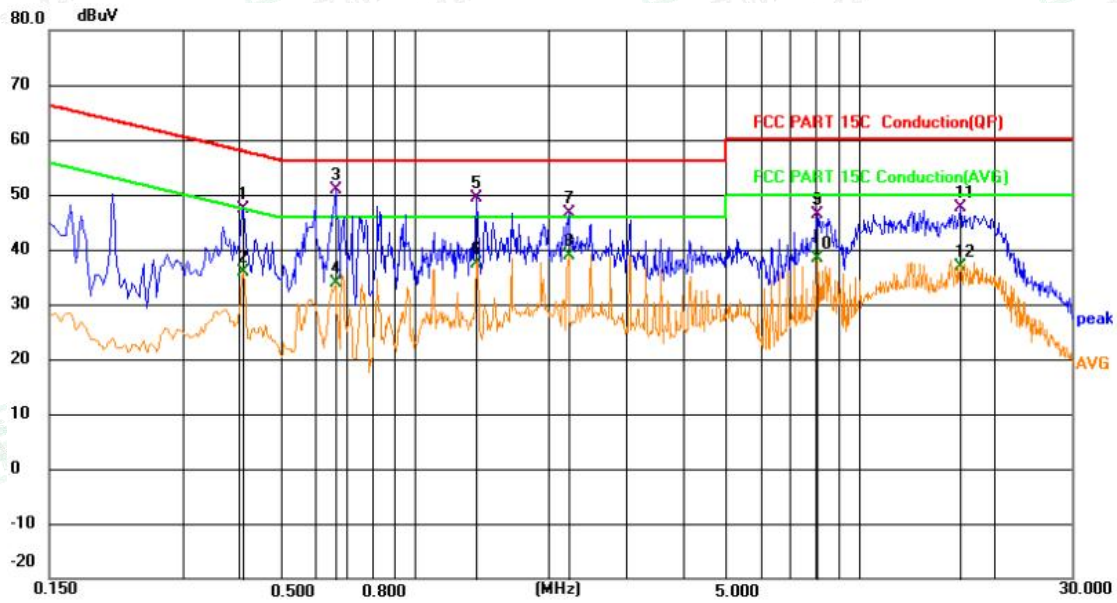
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Model: GS-FT02UW-2

Line



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	
		MHz	Level	Factor	ment			Detector
			dBuV	dB	dBuV	dBuV	dB	
1		0.4111	27.63	19.63	47.26	57.63	-10.37	QP
2		0.4111	16.17	19.63	35.80	47.63	-11.83	AVG
3	*	0.6630	31.12	19.65	50.77	56.00	-5.23	QP
4		0.6630	14.24	19.65	33.89	46.00	-12.11	AVG
5		1.3740	29.71	19.66	49.37	56.00	-6.63	QP
6		1.3740	17.72	19.66	37.38	46.00	-8.62	AVG
7		2.2155	27.06	19.68	46.74	56.00	-9.26	QP
8		2.2155	19.30	19.68	38.98	46.00	-7.02	AVG
9		8.0431	26.50	19.77	46.27	60.00	-13.73	QP
10		8.0431	18.73	19.77	38.50	50.00	-11.50	AVG
11		16.9126	27.59	20.02	47.61	60.00	-12.39	QP
12		16.9126	16.82	20.02	36.84	50.00	-13.16	AVG



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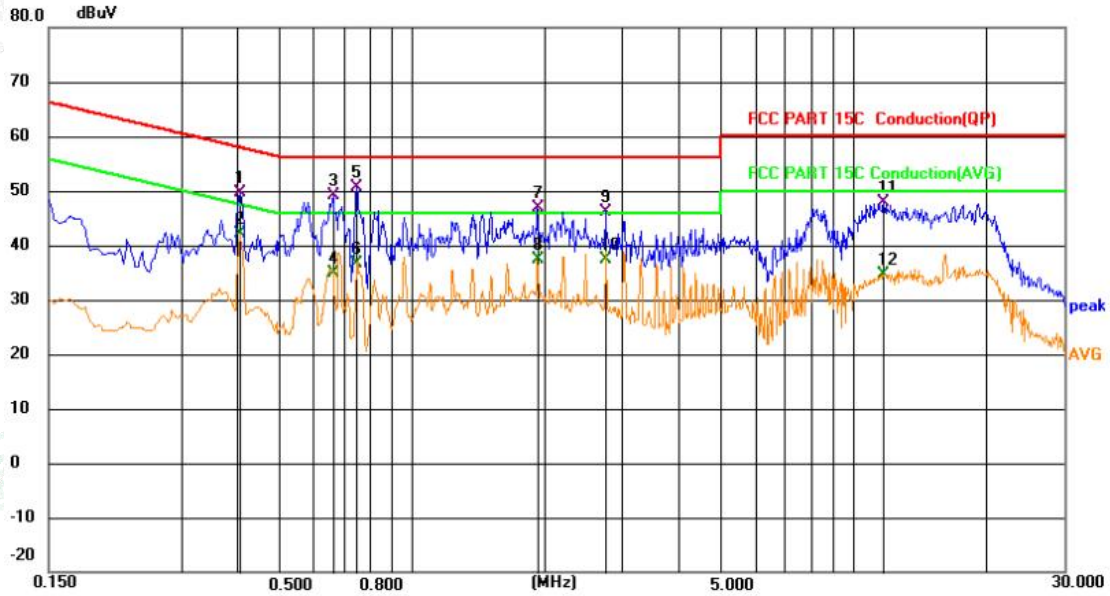
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Neutral



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	
		MHz	Level	Factor	ment			Detector
			dBuV	dB	dBuV	dBuV	dB	
1		0.4066	30.11	19.63	49.74	57.72	-7.98	QP
2		0.4066	22.40	19.63	42.03	47.72	-5.69	AVG
3		0.6630	29.58	19.65	49.23	56.00	-6.77	QP
4		0.6630	15.28	19.65	34.93	46.00	-11.07	AVG
5	*	0.7485	31.09	19.65	50.74	56.00	-5.26	QP
6		0.7485	16.99	19.65	36.64	46.00	-9.36	AVG
7		1.9275	27.14	19.68	46.82	56.00	-9.18	QP
8		1.9275	17.69	19.68	37.37	46.00	-8.63	AVG
9		2.7466	26.36	19.72	46.08	56.00	-9.92	QP
10		2.7466	17.58	19.72	37.30	46.00	-8.70	AVG
11		11.6926	27.96	19.84	47.80	60.00	-12.20	QP
12		11.6926	14.89	19.84	34.73	50.00	-15.27	AVG

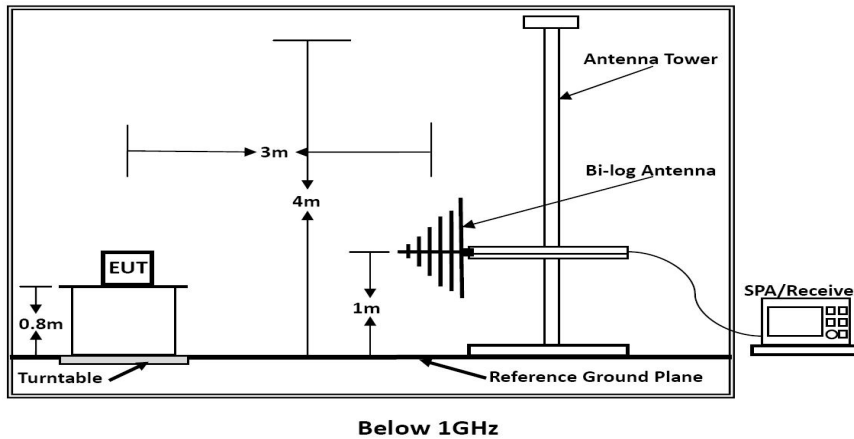
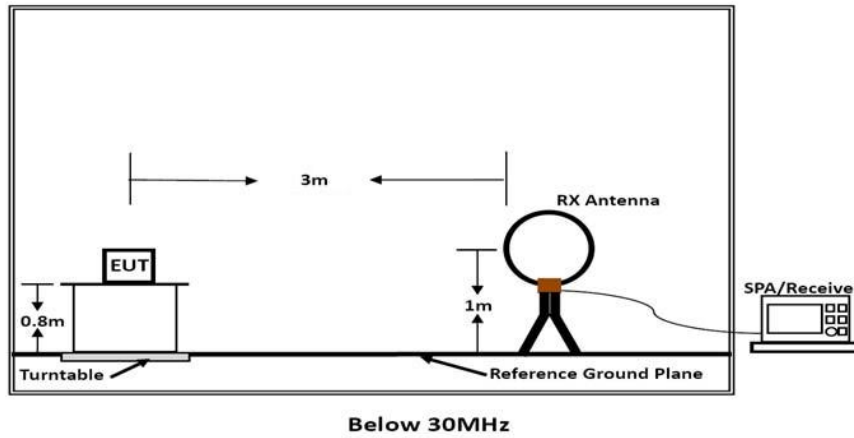
***Note: Pre-scan all modes and recorded the worst case results in this report.
Margin=Reading level + Correct - Limit





7. RADIATED EMISSION MEASUREMENT

7.1. Block Diagram of Test Setup



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7.2. Radiated Emission Limit

15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
\1\ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(\2\)
13.36-13.41			

\1\ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

\2\ Above 38.6

According to §15.247 (d): 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 (MHz)	Field Strength (microvolts/meter)	Measurement Distance (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

7.3. EUT Configuration on Measurement

The following equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

7.4. Operating Condition of EUT

(1) Setup the EUT as shown in Section 7.1.



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7.5. Measuring Setting

The following table is the setting of spectrum analyzer and receiver.

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP/Average
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP/Average
Start ~ Stop Frequency	30MHz~1000MHz / RB 100kHz for QP

7.6. Test Procedure

1) Sequence of testing 9 kHz to 30 MHz

Setup:

- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- If the EUT is a tabletop system, a rotatable table with 0.8 m height is used.
- If the EUT is a floor standing device, it is placed on the ground.
- Auxiliary equipment and cables were positioned to simulate normal operation conditions.
- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- The measurement distance is 3 meter.
- The EUT was set into operation.

Premeasurement:

- The turntable rotates from 0° to 315° using 45° steps.
- The antenna height is 1.0 meter.
- At each turntable position the analyzer sweeps with peak detection to find the maximum of all emissions

Final measurement:

- Identified emissions during the premeasurement the software maximizes by rotating the turntable position (0° to 360°) and by rotating the elevation axes (0° to 360°).
- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QPK detector.
- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.





2) Sequence of testing 30 MHz to 1 GHz

Setup:

- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- If the EUT is a tabletop system, a table with 0.8 m height is used, which is placed on the ground plane.
- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.
- Auxiliary equipment and cables were positioned to simulate normal operation conditions
- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- The measurement distance is 3 meter.
- The EUT was set into operation.

Premeasurement:

- The turntable rotates from 0° to 315° using 45° steps.
- The antenna is polarized vertical and horizontal.
- The antenna height changes from 1 to 3 meter.
- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.

Final measurement:

- The final measurement will be performed with minimum the six highest peaks.
- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position ($\pm 45^\circ$) and antenna movement between 1 and 4 meter.
- The final measurement will be done with QP detector with an EMI receiver.
- The final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

7.7. Test Results

PASS.

Only report the worst test data (Mode 1) in test report;

The test data please refer to following page:

Temperature	23.8°C	Humidity	52.5%
Test Engineer	Nick Peng	Configurations	Transmit



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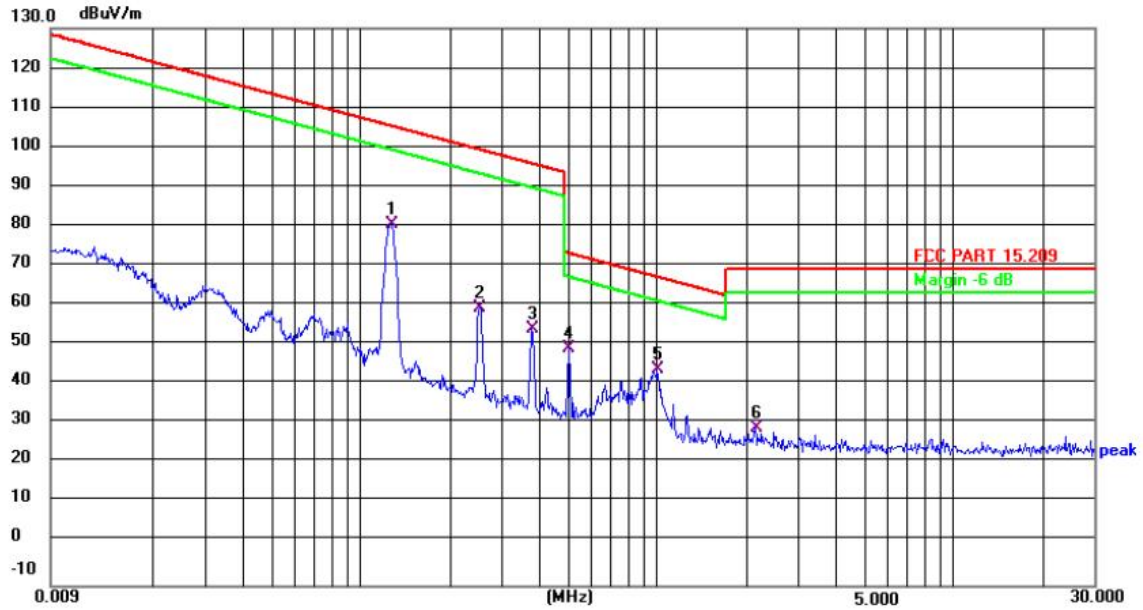
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0.009 MHz – 30 MHz
0 degree



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.1266	90.22	-9.48	80.74	105.49	-24.75	QP
2	0.2524	68.99	-9.00	59.99	99.53	-39.54	QP
3	0.3786	63.37	-8.76	54.61	96.03	-41.42	QP
4	0.5070	58.25	-8.51	49.74	73.50	-23.76	QP
5	1.0023	51.66	-7.25	44.41	67.58	-23.17	QP
6	2.1487	34.90	-5.07	29.83	69.54	-39.71	QP

Remark: 1). Measured at antenna position 0 degree and 90 degree, recorded worst case at 0 degree.

2). $\text{Margin} = \text{Reading level} + \text{Factor} - \text{Limit}$



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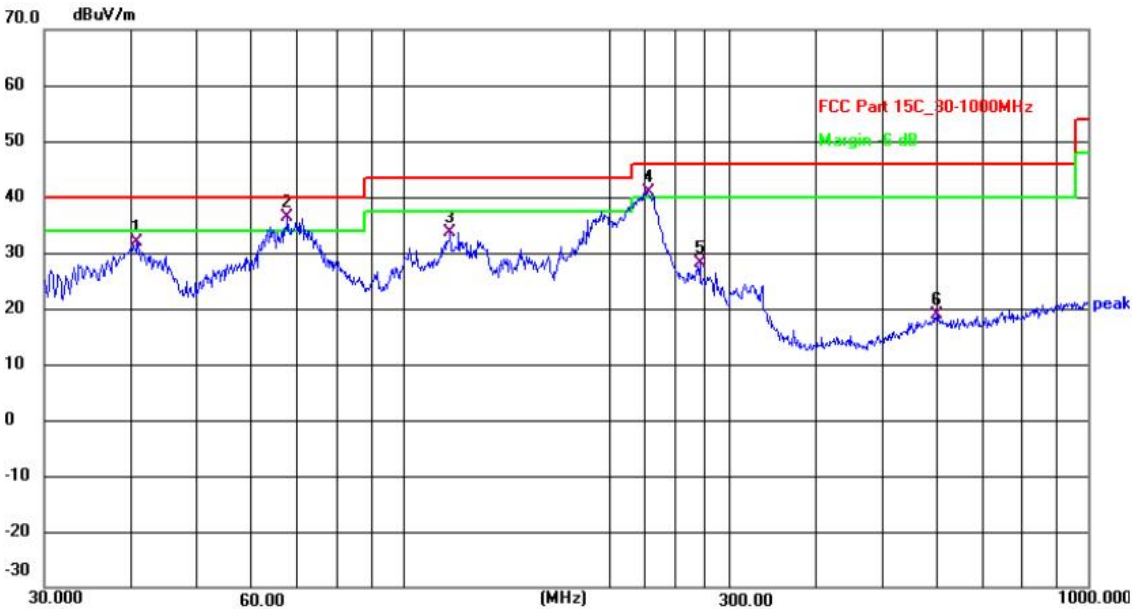
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Temperature	23.8℃	Humidity	52.1%
Test Engineer	Nick Peng	Configurations	Transmit

Below 1GHz

Model: GS-FT02WC
Horizontal

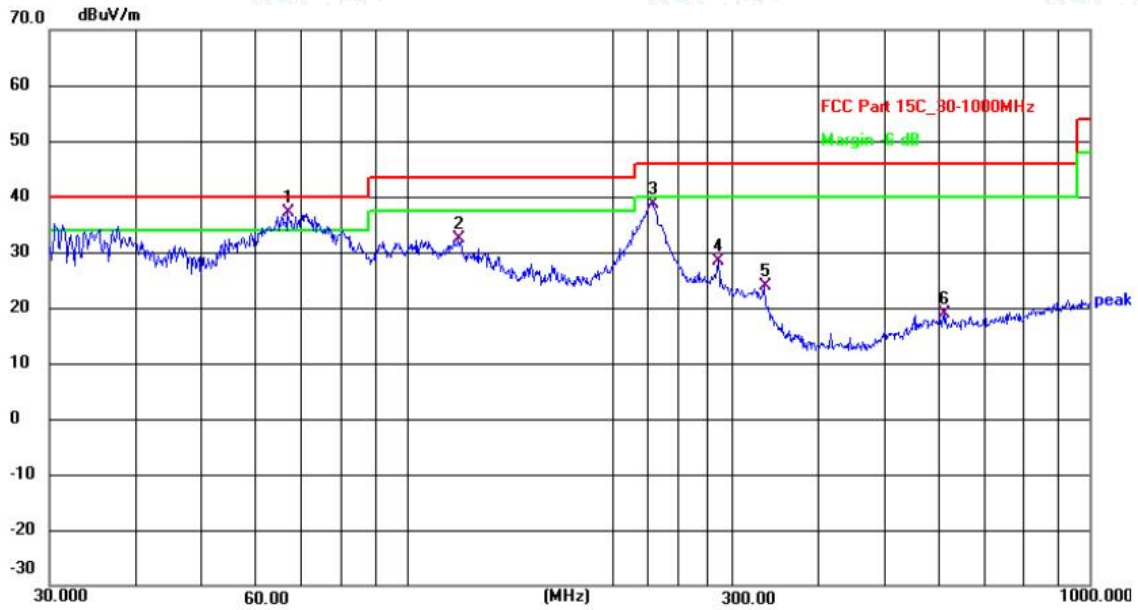


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	40.9879	49.21	-17.41	31.80	40.00	-8.20	QP
2	67.9128	55.62	-19.33	36.29	40.00	-3.71	QP
3	117.3602	53.45	-19.71	33.74	43.50	-9.76	QP
4	227.6905	57.40	-16.62	40.78	46.00	-5.22	QP
5	271.3245	43.47	-15.40	28.07	46.00	-17.93	QP
6	601.4265	29.43	-10.47	18.96	46.00	-27.04	QP





Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	66.9669	56.42	-19.29	37.13	40.00	-2.87	QP
2	119.0179	52.18	-19.85	32.33	43.50	-11.17	QP
3	228.4904	55.34	-16.59	38.75	46.00	-7.25	QP
4	285.9777	43.97	-15.48	28.49	46.00	-17.51	QP
5	333.6867	38.31	-14.43	23.88	46.00	-22.12	QP
6	614.2142	29.63	-10.80	18.83	46.00	-27.17	QP



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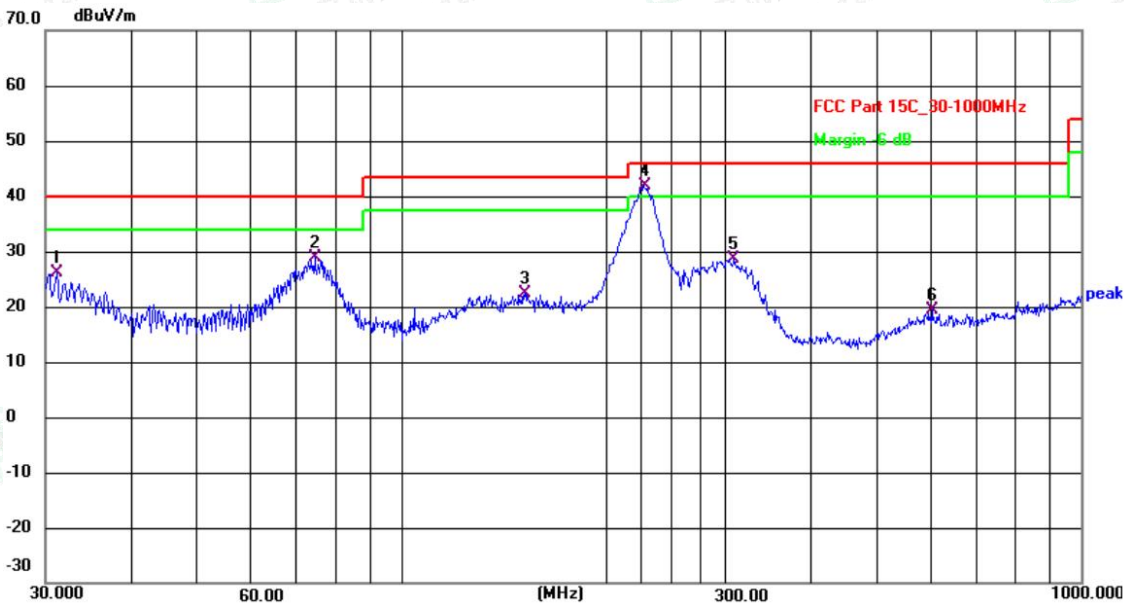
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Model: GS-FT02UW-4
Horizontal

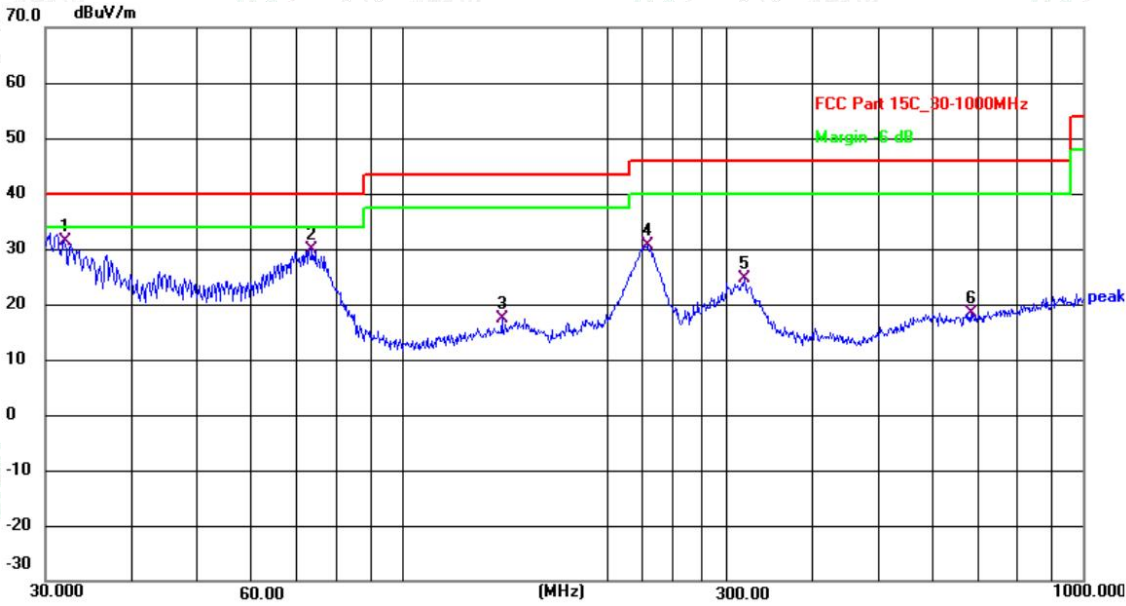


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	31.1797	44.33	-18.30	26.03	40.00	-13.97	QP
2	74.6568	48.65	-19.66	28.99	40.00	-11.01	QP
3	152.1297	42.26	-19.80	22.46	43.50	-21.04	QP
4	227.6906	58.54	-16.62	41.92	46.00	-4.08	QP
5	308.9125	43.69	-15.12	28.57	46.00	-17.43	QP
6	603.5391	29.90	-10.52	19.38	46.00	-26.62	QP





Vertical



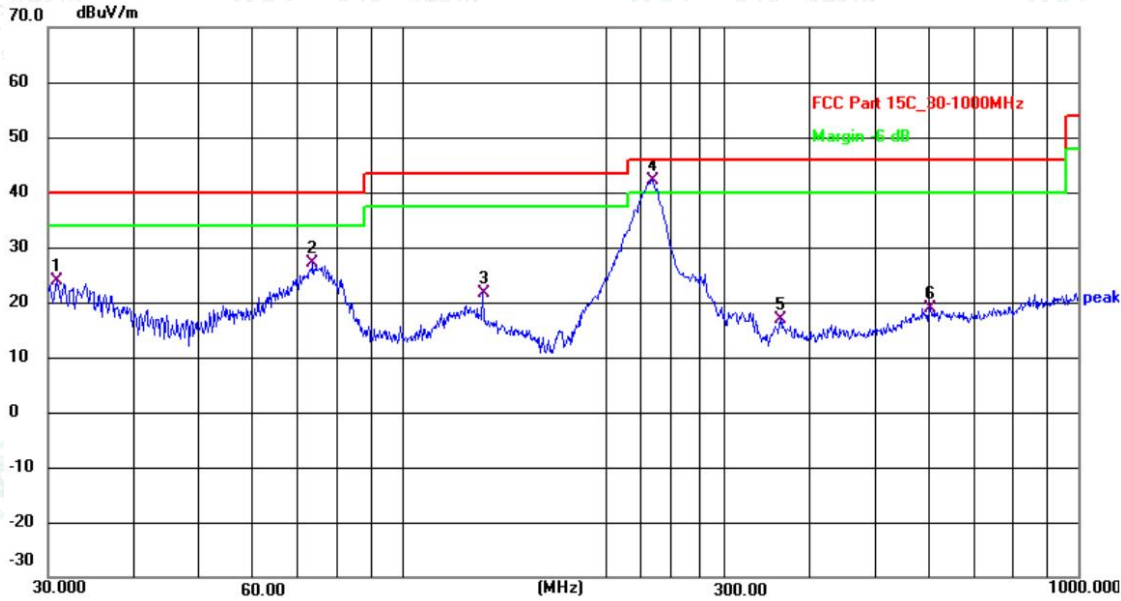
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	31.9545	49.51	-18.20	31.31	40.00	-8.69	QP
2	73.8756	49.54	-19.63	29.91	40.00	-10.09	QP
3	140.3420	38.32	-20.86	17.46	43.50	-26.04	QP
4	230.0985	47.16	-16.52	30.64	46.00	-15.36	QP
5	318.8170	39.21	-14.54	24.67	46.00	-21.33	QP
6	684.7453	29.41	-11.01	18.40	46.00	-27.60	QP





Model: GS-FT02UW-2

Horizontal

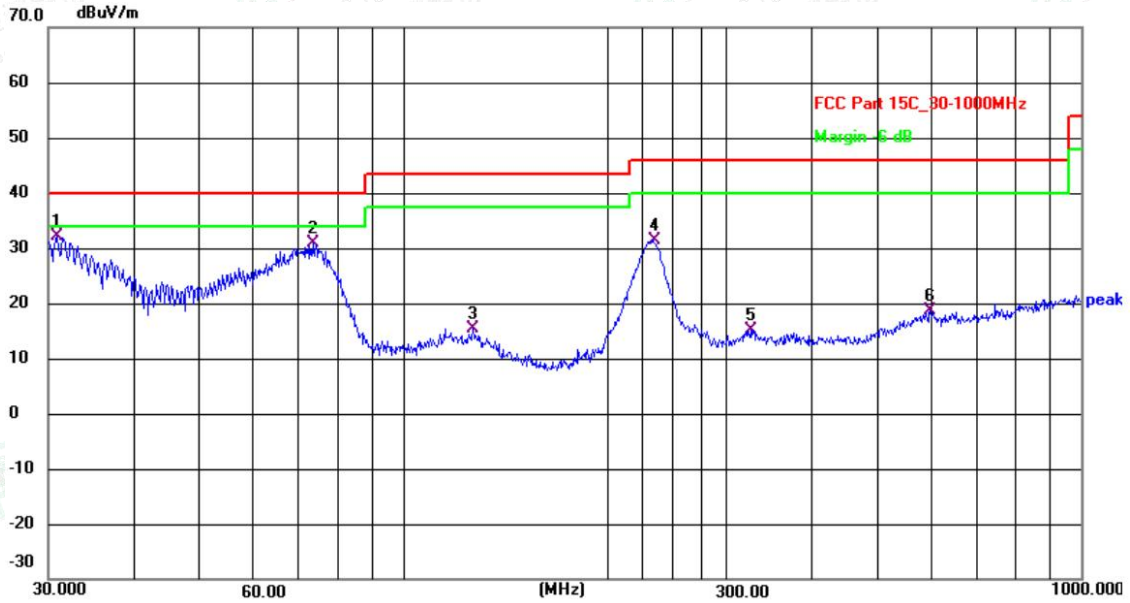


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30.8534	42.34	-18.34	24.00	40.00	-16.00	QP
2	73.8756	46.80	-19.63	27.17	40.00	-12.83	QP
3	131.7576	42.18	-20.63	21.55	43.50	-21.95	QP
4	234.9909	58.42	-16.29	42.13	46.00	-3.87	QP
5	362.9843	31.69	-14.80	16.89	46.00	-29.11	QP
6	605.6592	29.49	-10.59	18.90	46.00	-27.10	QP





Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30.8535	50.47	-18.34	32.13	40.00	-7.87	QP
2	73.6170	50.48	-19.61	30.87	40.00	-9.13	QP
3	126.7723	35.72	-20.37	15.35	43.50	-28.15	QP
4	234.1684	47.82	-16.33	31.49	46.00	-14.51	QP
5	325.5958	29.42	-14.21	15.21	46.00	-30.79	QP
6	599.3212	29.04	-10.44	18.60	46.00	-27.40	QP

1). Emission level (dBuV/m) = 20 log Emission level (uV/m).

2). Margin=Reading level + Factor- Limit.



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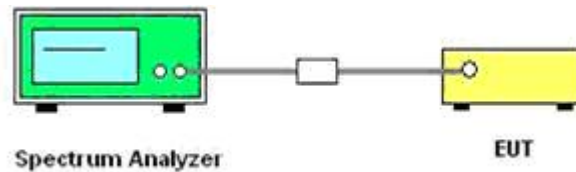
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8. 20 DB BANDWIDTH MEASUREMENT

8.1. Block Diagram of Test Setup



8.2. Test Procedure

Use the following spectrum analyzer settings:

Span = 500Hz

RBW = 100Hz

VBW = 300Hz

Sweep = auto

Detector function = peak

Trace = max hold

The EUT should be transmitting at its maximum data rate. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to measure 20 dB down one side of the emission. Reset the marker-delta function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference marker level. The marker-delta reading at this point is the 20 dB bandwidth of the emission. If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s).



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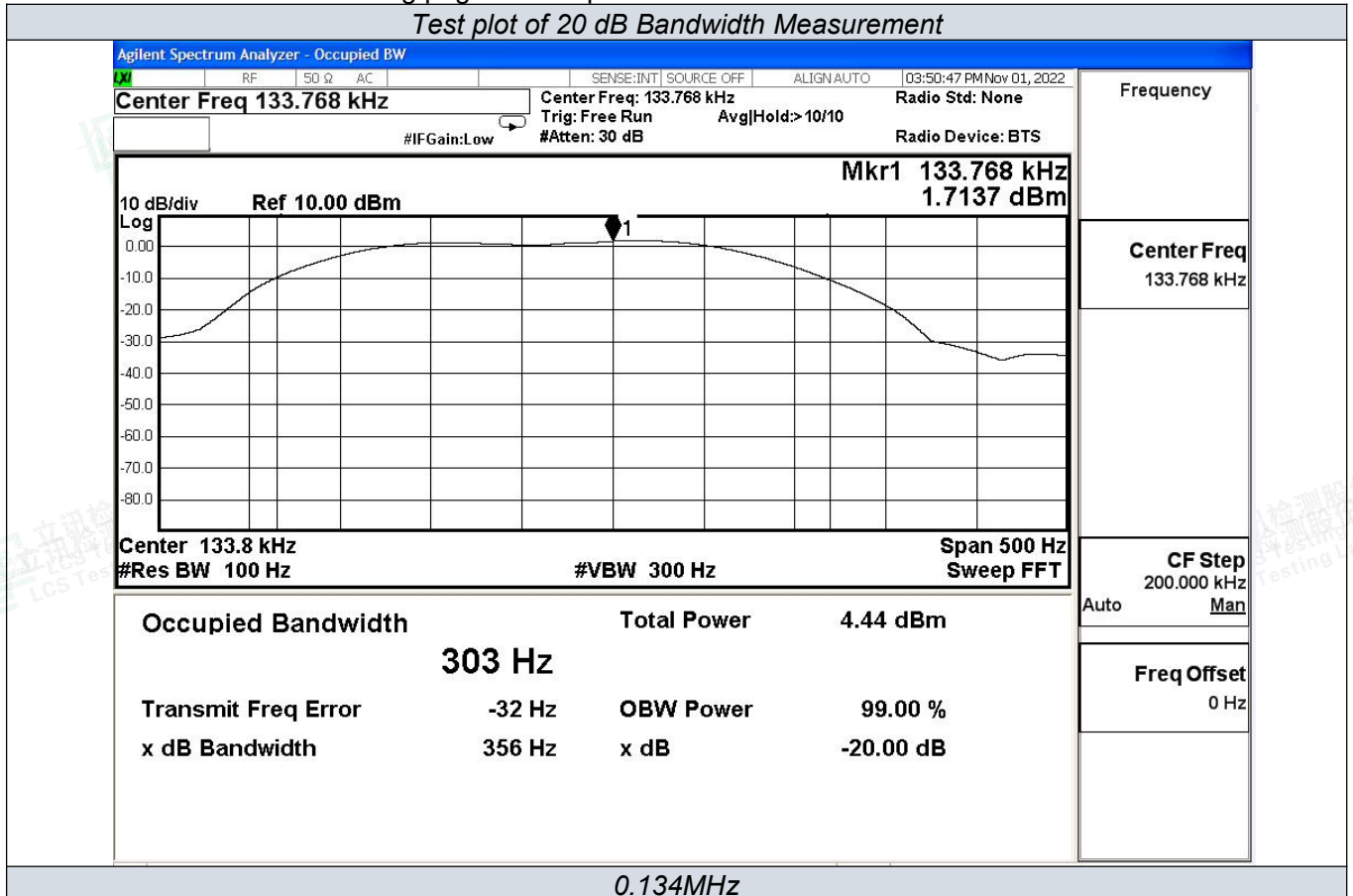
8.3. Test Results

Test Result Of 20dB Bandwidth Measurement		
Test Frequency (MHz)	20dB Bandwidth (kHz)	Limit (kHz)
0.134	0.356	Non-Specified

Result: Pass

Please refer to the following page for test plot.

Test plot of 20 dB Bandwidth Measurement



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9. PHOTOGRAPHS OF TEST SETUP

Please refer to separated files for Test Setup Photos of the EUT.

10. EXTERNAL PHOTOGRAPHS OF THE EUT

Please refer to separated files for External Photos of the EUT.

11. INTERNAL PHOTOGRAPHS OF THE EUT

Please refer to separated files for Internal Photos of the EUT.

-----THE END OF REPORT-----



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