

FCC TEST REPORT

FCC ID:2ATXW-BT-300PRO

Report No. : SSP24090232-1E

Applicant : Serene Group, Inc.

Product Name : TV-SoundBox

Model Name : BT-300 PRO

Test Standard : FCC Part 15.249

Date of Issue : 2024-09-29



Shenzhen CCUT Quality Technology Co., Ltd.

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This test report is limited to the above client company and the product model only. It may not be duplicated without prior permission by Shenzhen CCUT Quality Technology Co., Ltd.

Test Report Basic Information

Applicant.....: Serene Group, Inc.
Address of Applicant.....: 3401 E University Dr. Suite 206 Denton, TX, United States, 76208

Manufacturer.....: ShenZhen GoHunger Tech Co. Ltd
Building 6, Huidebao Industrial Park, South of Dawaihuan Road, Guangming
Address of Manufacturer.....: Street, Guangming District, Shenzhen

Product Name.....: TV-SoundBox
Brand Name.....: -
Main Model.....: BT-300 PRO
Series Models.....: BT-300B PRO, BT-300G PRO

Test Standard.....: FCC Part 15 Subpart C
ANSI C63.4-2014
Date of Test: 2024-09-20 to 2024-09-29
Test Result.....: PASS

Tested By: Coke Huang (Coke Huang)

Reviewed By: Lieber Ouyang (Lieber Ouyang)

Authorized Signatory: Lahm Peng (Lahm Peng)



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Revision History

Revision	Issue Date	Description	Revised By
V1.0	2024-09-29	Initial Release	Lahm Peng

1. General Information

1.1 Product Information

Product Name:	TV-SoundBox
Trade Name:	-
Main Model:	BT-300 PRO
Series Models:	BT-300B PRO, BT-300G PRO
Rated Voltage:	DC 5V by adapter
Power Adapter:	INPUT:100-240V 50/60Hz, 0.35A MAX, OUTPUT:5V=2000mA
Battery:	-
Test Sample No:	SSP24090232-1
Hardware Version:	V1.0
Software Version:	V1.0
Note 1: The test data is gathered from a production sample, provided by the manufacturer.	
Note 2: The model name of the listed series of models is different from the main model, but the circuit and electronic structure are the same, which is declared by the manufacturer.	

Wireless Specification	
Wireless Standard:	2.4GHz RF
Operating Frequency:	2403MHz ~2478MHz
Max. Field Strength:	93.77dBuV/m
Quantity of Channel:	26
Channel Separation:	3MHz
Modulation:	GFSK
Antenna Gain:	-0.68dBi
Type of Antenna:	Integral Antenna
Type of Device:	<input checked="" type="checkbox"/> Portable Device <input type="checkbox"/> Mobile Device <input type="checkbox"/> Modular Device

1.2 Test Setup Information

List of Test Modes		
Test Mode	Description	Remark
TM1	Transmitting	2403/2439/2478MHz
TM2	-	-
TM3	-	-

List and Details of Auxiliary Cable

Description	Length (cm)	Shielded/Unshielded	With/Without Ferrite
-	-	-	-
-	-	-	-

List and Details of Auxiliary Equipment

Description	Manufacturer	Model	Serial Number
-	-	-	-
-	-	-	-

List of Channels

No. of Channel	Frequency (MHz)						
01	2403	02	2406	03	2409	04	2412
05	2415	06	2418	07	2421	08	2424-
09	2427	10	2430	11	2433	12	2436
13	2439	14	2442	15	2445	16	2448
17	2451	18	2454	19	2457	20	2460
21	2463	22	2466	23	2469	24	2472
25	2475	26	2478	-	-	-	-

1.3 Compliance Standards

Compliance Standards	
FCC Part 15 Subpart C	FEDERAL COMMUNICATIONS COMMISSION, RADIO FREQUENCY DEVICES, Intentional Radiators
All measurements contained in this report were conducted with all above standards	
According to standards for test methodology	
FCC Part 15 Subpart C	FEDERAL COMMUNICATIONS COMMISSION, RADIO FREQUENCY DEVICES, Intentional Radiators
ANSI C63.4-2014	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.
ANSI C63.10-2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
Maintenance of compliance is the responsibility of the manufacturer or applicant. Any modification of the product, which result is lowering the emission, should be checked to ensure compliance has been maintained.	

1.4 Test Facilities

Laboratory Name:	Shenzhen CCUT Quality Technology Co., Ltd. 1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China
CNAS Laboratory No.:	L18863
A2LA Certificate No.:	6893.01
FCC Registration No.:	583813
ISED Registration No.:	CN0164
All measurement facilities used to collect the measurement data are located at 1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China.	

1.5 List of Measurement Instruments

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
Conducted Emissions					
AMN	ROHDE&SCHWARZ	ENV216	101097	2024-08-07	2025-08-06
EMI Test Receiver	ROHDE&SCHWARZ	ESPI	100242	2024-08-07	2025-08-06
Test Cable	N/A	Cable 5	N/A	2024-08-07	2025-08-06
EMI Test Software	FARA	EZ-EMC	EMEC-3A1+	N/A	N/A
Radiated Emissions					
EMI Test Receiver	ROHDE&SCHWARZ	ESPI	100154	2024-08-07	2025-08-06
Spectrum Analyzer	KEYSIGHT	N9020A	MY48030972	2024-08-07	2025-08-06
Spectrum Analyzer	ROHDE&SCHWARZ	FSV40-N	101692	2024-08-07	2025-08-06
Amplifier	SCHWARZBECK	BBV 9743B	00251	2024-08-07	2025-08-06
Amplifier	HUABO	YXL0518-2.5-45	--	2024-08-07	2025-08-06
Amplifier	COM-MW	DLAN-18G-4G-02	10229104	2024-08-07	2025-08-06
Loop Antenna	DAZE	ZN30900C	21104	2024-08-03	2025-08-02
Broadband Antenna	SCHWARZBECK	VULB 9168	01320	2024-08-03	2025-08-02
Horn Antenna	SCHWARZBECK	BBHA 9120D	02553	2024-08-03	2025-08-02
Horn Antenna	COM-MW	ZLB7-18-40G-950	12221225	2024-08-03	2025-08-02
Attenuator	QUANJUDA	6dB	220731	2024-08-07	2025-08-06
Test Cable	N/A	Cable 1	N/A	2024-08-07	2025-08-06
Test Cable	N/A	Cable 2	N/A	2024-08-07	2025-08-06
Test Cable	N/A	Cable 3	N/A	2024-08-07	2025-08-06
Test Cable	N/A	Cable 4	N/A	2024-08-07	2025-08-06
Test Cable	N/A	Cable 8	N/A	2024-08-07	2025-08-06
Test Cable	N/A	Cable 9	N/A	2024-08-07	2025-08-06
EMI Test Software	FARA	EZ-EMC	FA-03A2 RE+	N/A	N/A
Conducted RF Testing					
RF Test System	MWRFTest	MW100-RFCB	220418SQS-37	2024-08-07	2025-08-06
Spectrum Analyzer	KEYSIGHT	N9020A	ATO-90521	2024-08-07	2025-08-06
RF Test Software	MWRFTest	MTS 8310	N/A	N/A	N/A
Laptop	Lenovo	ThlnkPad E15 Gen 3	SPPOZ22485	N/A	N/A

1.6 Measurement Uncertainty

Test Item	Conditions	Uncertainty
Conducted Emissions	9kHz ~ 30MHz	±1.64 dB
Radiated Emissions	9kHz ~ 30MHz	±2.88 dB
	30MHz ~ 1GHz	±3.32 dB
	1GHz ~ 18GHz	±3.50 dB
	18GHz ~ 40GHz	±3.66 dB
Occupied Bandwidth	9kHz ~ 26GHz	±4.0 %

2. Summary of Test Results

FCC Rule	Description of Test Item	Result
FCC Part 15.203	Antenna Requirement	Passed
FCC Part 15.207	Conducted Emissions	Passed
FCC Part 15.209, 15.249(a)&(d)	Radiated Emissions	Passed
FCC Part 15.249(d)	Band-edge Emissions	Passed
FCC Part 15.215(c)	Occupied Bandwidth	Passed

Passed: The EUT complies with the essential requirements in the standard
Failed: The EUT does not comply with the essential requirements in the standard
N/A: Not applicable

3. Antenna Requirement

3.1 Standard and Limit

According to FCC Part 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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

3.2 Test Result

This product has an Integral antenna, fulfill the requirement of this section.

4. Conducted Emissions

4.1 Standard and Limit

According to the rule FCC Part 15.207, Conducted emissions limit, the limit for a wireless device as below:

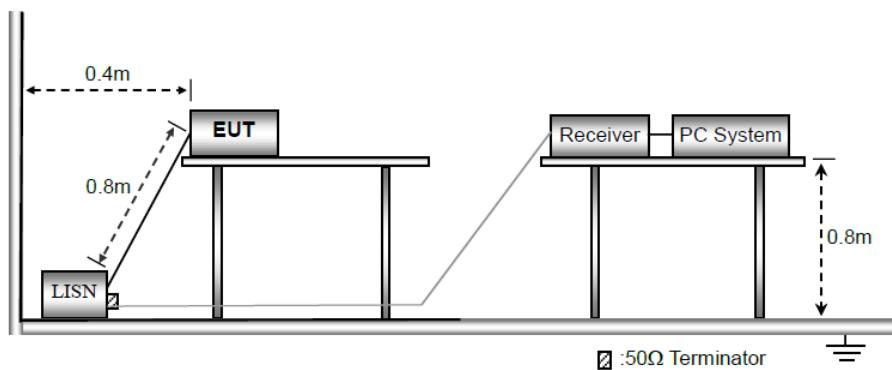
Frequency of Emission (MHz)	Conducted emissions (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

Note 1: Decreases with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz

Note 2: The lower limit applies at the band edges

4.2 Test Procedure

Test is conducted under the description of ANSI C63.10 - 2013 section 6.2.



Test Setup Block Diagram

- a) 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.

- b) The following is the setting of the receiver
 - Attenuation: 10dB
 - Start Frequency: 0.15MHz
 - Stop Frequency: 30MHz
 - IF Bandwidth: 9kHz

- c) 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 equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

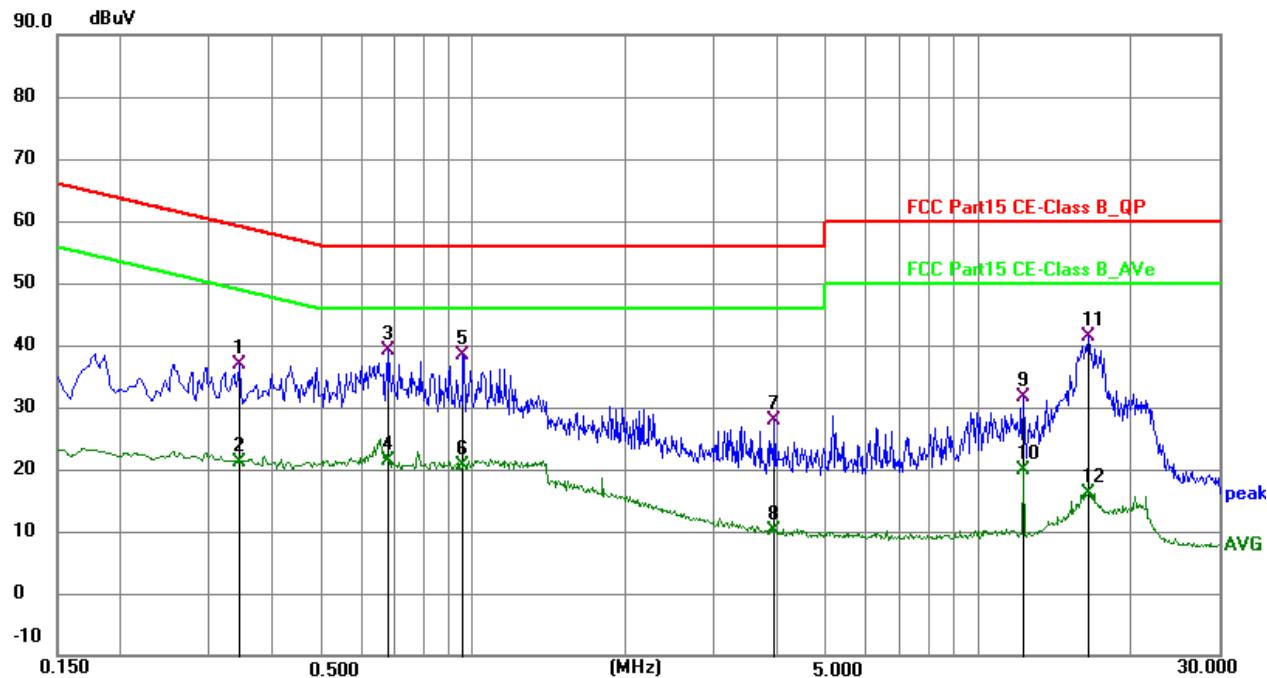
- d) Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- e) I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using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

4.3 Test Data and Results

Based on all tested data, the EUT complied with the FCC Part 15.207 standard limit for a wireless device, and with the worst case as below:

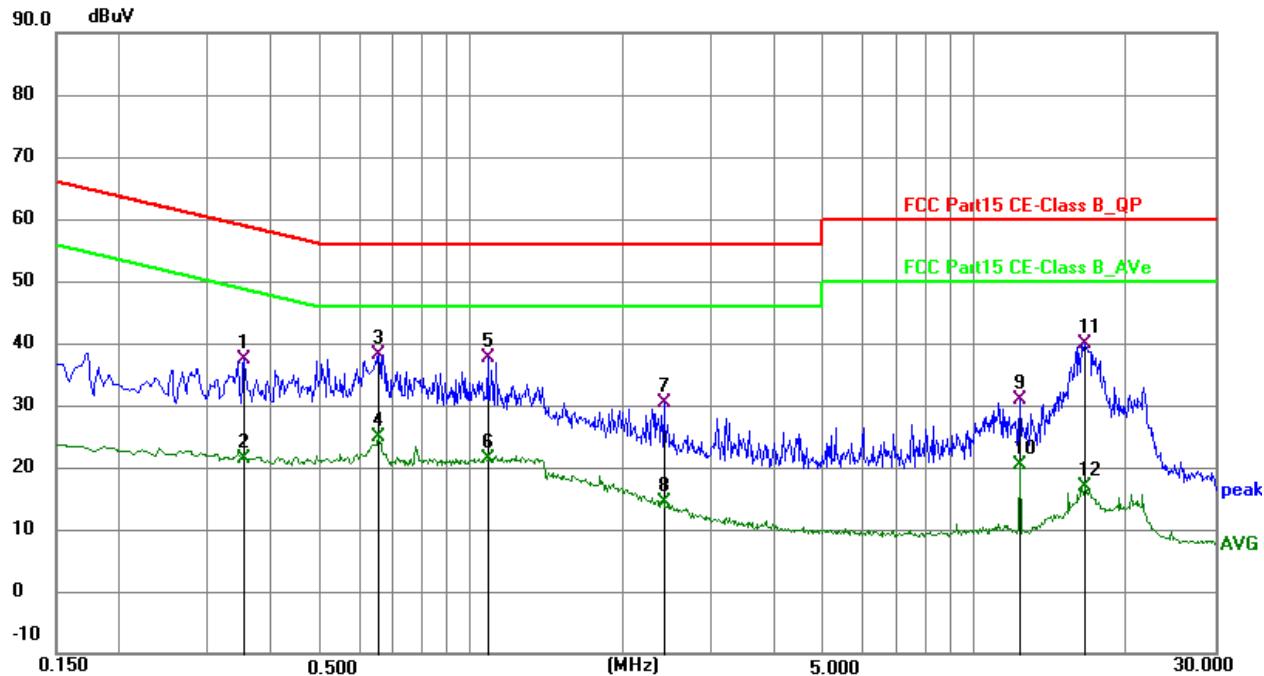
Remark: Level = Reading + Factor, Margin = Level - Limit

Test Plots and Data of Conducted Emissions	
Tested Mode:	TM1
Test Voltage:	AC 120V/60Hz
Test Power Line:	Neutral
Remark:	



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.3435	27.37	9.39	36.76	59.12	-22.36	QP	P	
2	0.3435	11.66	9.39	21.05	49.12	-28.07	AVG	P	
3 *	0.6809	29.86	9.36	39.22	56.00	-16.78	QP	P	
4	0.6809	12.13	9.36	21.49	46.00	-24.51	AVG	P	
5	0.9555	28.87	9.40	38.27	56.00	-17.73	QP	P	
6	0.9555	11.28	9.40	20.68	46.00	-25.32	AVG	P	
7	3.9434	18.27	9.53	27.80	56.00	-28.20	QP	P	
8	3.9434	0.51	9.53	10.04	46.00	-35.96	AVG	P	
9	12.2865	22.15	9.55	31.70	60.00	-28.30	QP	P	
10	12.2865	10.32	9.55	19.87	50.00	-30.13	AVG	P	
11	16.5300	31.78	9.67	41.45	60.00	-18.55	QP	P	
12	16.5300	6.52	9.67	16.19	50.00	-33.81	AVG	P	

Test Plots and Data of Conducted Emissions	
Tested Mode:	TM1
Test Voltage:	AC 120V/60Hz
Test Power Line:	Live
Remark:	



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.3525	27.73	9.58	37.31	58.90	-21.59	QP	P	
2	0.3525	11.87	9.58	21.45	48.90	-27.45	AVG	P	
3 *	0.6540	28.62	9.57	38.19	56.00	-17.81	QP	P	
4	0.6540	15.30	9.57	24.87	46.00	-21.13	AVG	P	
5	1.0770	27.99	9.62	37.61	56.00	-18.39	QP	P	
6	1.0770	11.85	9.62	21.47	46.00	-24.53	AVG	P	
7	2.4090	20.77	9.68	30.45	56.00	-25.55	QP	P	
8	2.4090	4.78	9.68	14.46	46.00	-31.54	AVG	P	
9	12.2865	21.15	9.75	30.90	60.00	-29.10	QP	P	
10	12.2865	10.71	9.75	20.46	50.00	-29.54	AVG	P	
11	16.4985	30.16	9.82	39.98	60.00	-20.02	QP	P	
12	16.4985	7.04	9.82	16.86	50.00	-33.14	AVG	P	

5. Radiated Emissions

5.1 Standard and Limit

According to §15.249(a), the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental frequency	Field strength of fundamental (milli-volts/meter)	Field strength of Harmonics (micro-volts/meter)
902-928 MHz	50	500
2400-2483.5 MHz	50	500
5725-5875 MHz	50	500
24.0-24.25 GHz	250	2500

According to §15.249(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

According to the rule FCC Part 15.209, Radiated emission limit for a wireless device as below:

Frequency of emission (MHz)	Radiated emissions (3m)
	Quasi-peak (dBuV/m)
30-88	40
88-216	43.5
216-960	46
Above 960	54

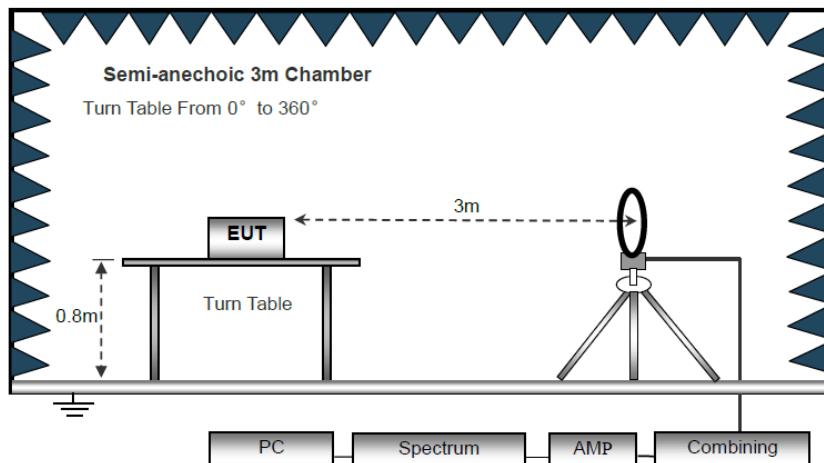
Note: The more stringent limit applies at transition frequencies.

The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply. Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

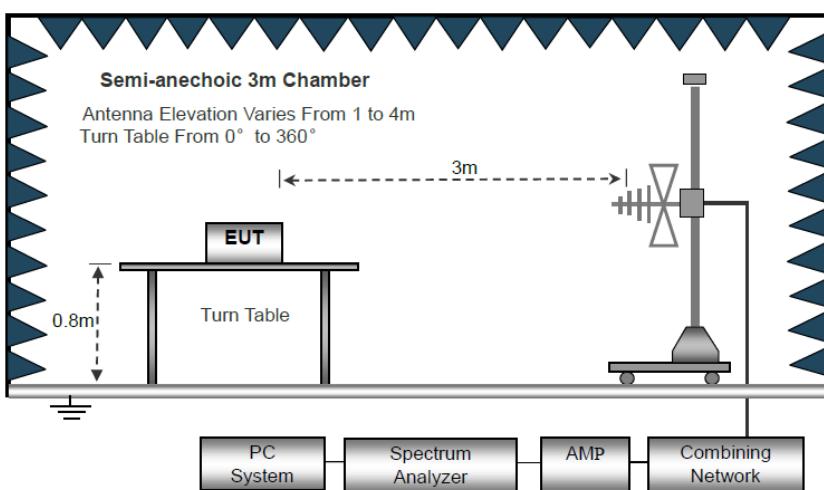
Note: Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

5.2 Test Procedure

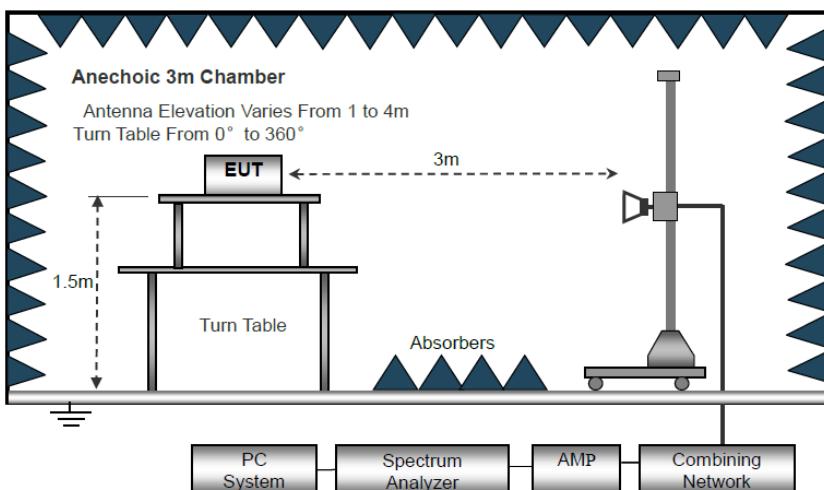
Test is conducting under the description of ANSI C63.10 - 2013 section 6.3 to 6.6.



Block Diagram of Radiated Emission Below 30MHz



Block Diagram of Radiated Emission From 30MHz to 1GHz



Block Diagram of Radiated Emission Above 1GHz

a) The EUT is placed on a turntable, which is 0.8m above ground plane for test frequency range below 1GHz, and 1.5m above ground plane for test frequency range above 1GHz.

b) EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.

c) Use the following spectrum analyzer settings:
Span = wide enough to fully capture the emission being measured
RBW = 1 MHz for $f \geq 1\text{GHz}$, 100 kHz for $f < 1\text{GHz}$, 10kHz for $f < 30\text{MHz}$
VBW \geq RBW, Sweep = auto
Detector function = peak
Trace = max hold

d) Follow the guidelines in ANSI C63.4-2014 with respect to maximizing the emission by rotating the EUT, adjusting the measurement antenna height and polarization, etc. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, submit this data. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.

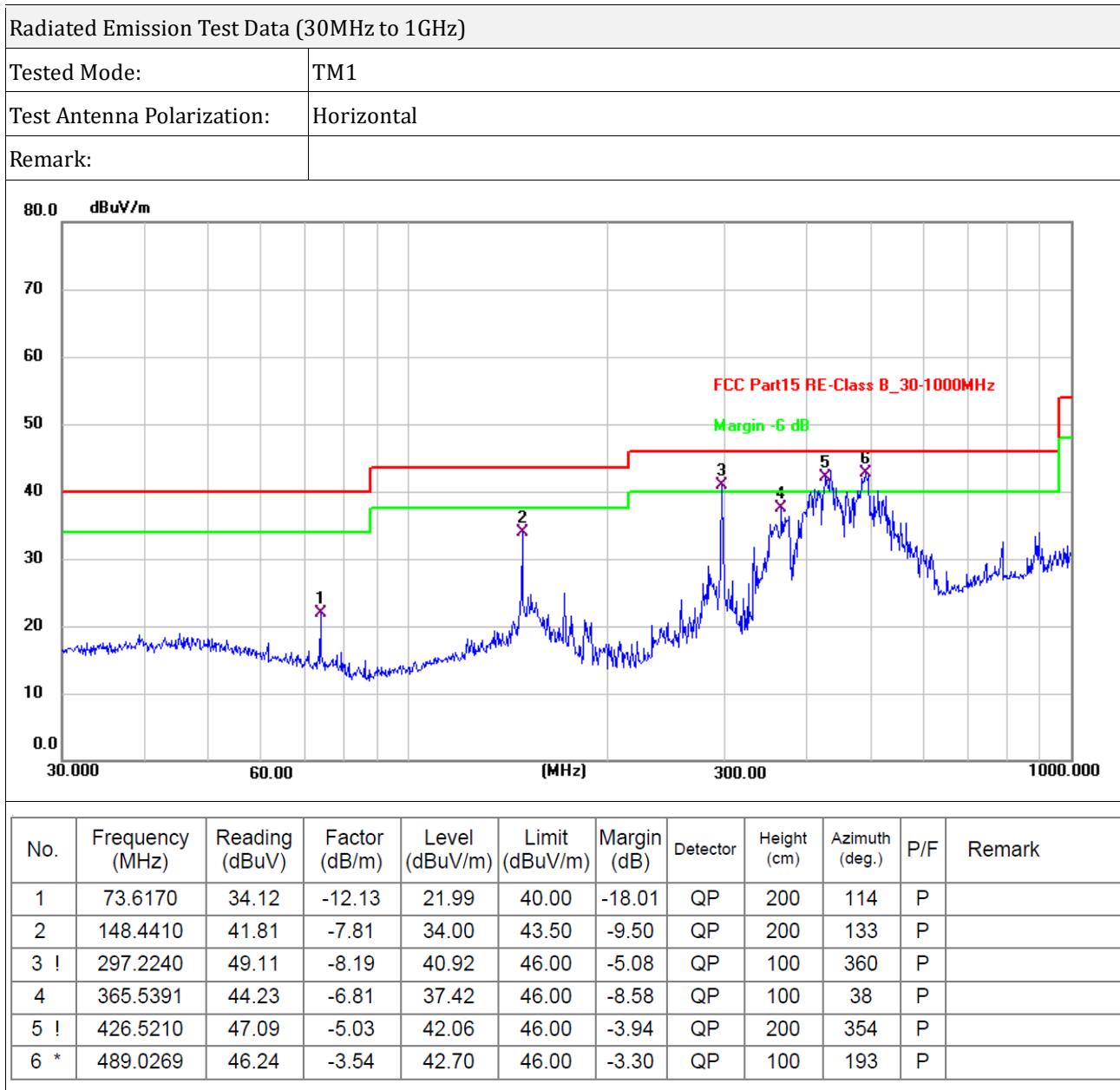
e) The peak level, once corrected, must comply with the limit specified in Section 15.209. Set the RBW = 1MHz, VBW = 10Hz, Detector = PK for AV value, while maintaining all of the other instrument settings.

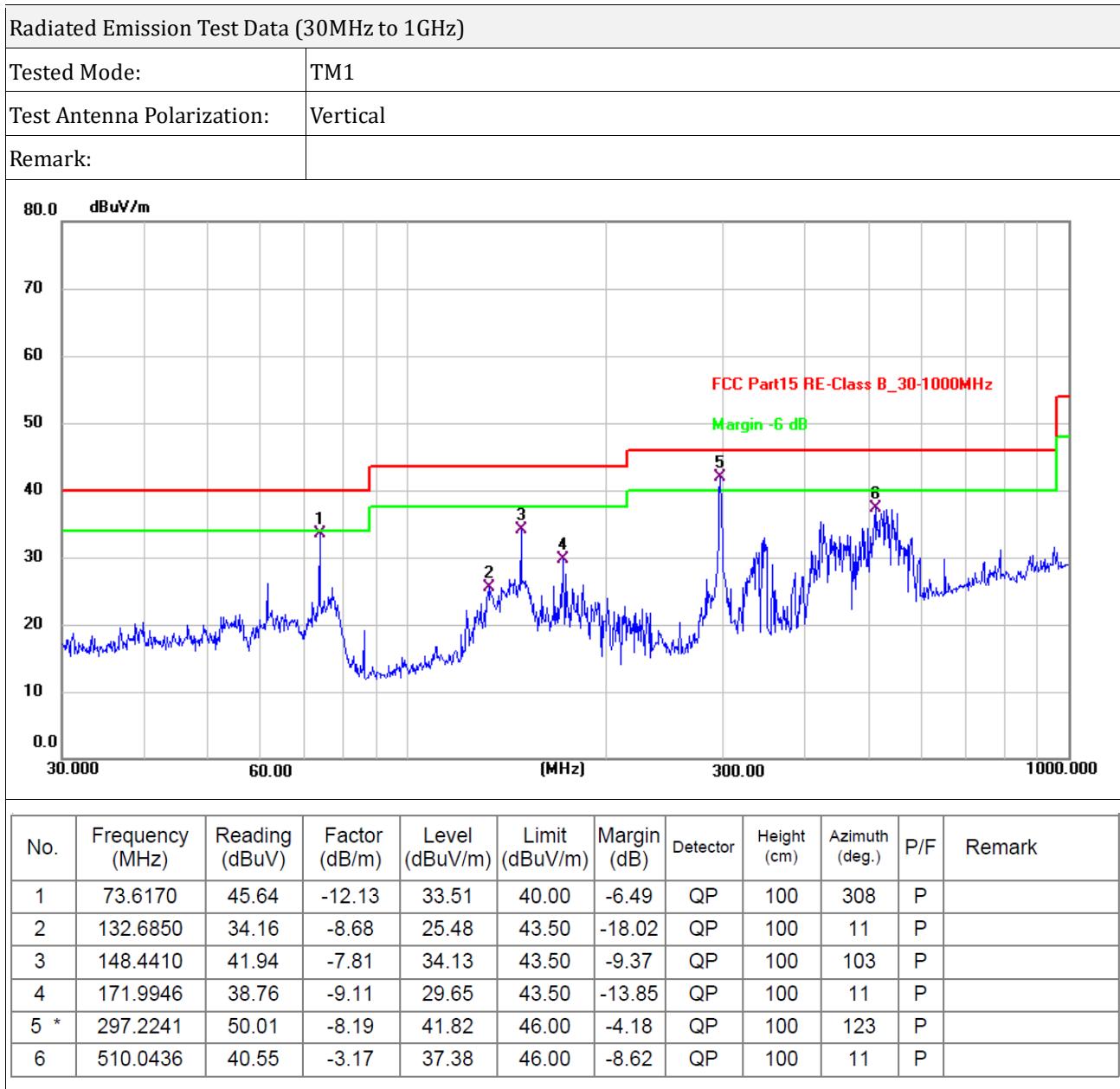
f) For the actual test configuration, please refer to the related item - EUT test photos.

5.3 Test Data and Results

All of the modes have been tested, the EUT complied with the FCC Part 15.249 standard limit for a wireless device, and with the worst case 2403MHz as below:

Remark: Level = Reading + Factor, Margin = Level - Limit





Radiated Emission Test Data (Above 1GHz)							
Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	PK/AV
Lowest Channel (2403MHz)							
2403	104.15	-20.89	83.26	114	-30.74	H	PK
2403	92.47	-20.89	71.58	94	-22.42	H	AV
4806	77.35	-14.72	62.63	74	-11.37	H	PK
4806	60.36	-14.72	45.64	54	-8.36	H	AV
7209	63.82	-8.41	55.41	74	-18.59	H	PK
7209	49.04	-8.41	40.63	54	-13.37	H	AV
2403	112.67	-20.89	91.78	114	-22.22	V	PK
2403	90.02	-20.89	69.13	94	-24.87	V	AV
4806	73.98	-14.72	59.26	74	-14.74	V	PK
4806	57.4	-14.72	42.68	54	-11.32	V	AV
7209	65.16	-8.41	56.75	74	-17.25	V	PK
7209	48.13	-8.41	39.72	54	-14.28	V	AV
Middle Channel (2439MHz)							
2439	105.03	-20.7	84.33	114	-29.67	H	PK
2439	97.05	-20.7	76.35	94	-17.65	H	AV
4878	77.08	-14.64	62.44	74	-11.56	H	PK
4878	62.05	-14.64	47.41	54	-6.59	H	AV
7317	62.45	-8.28	54.17	74	-19.83	H	PK
7317	48.22	-8.28	39.94	54	-14.06	H	AV
2439	113.07	-20.7	92.37	114	-21.63	V	PK
2439	87.4	-20.7	66.7	94	-27.3	V	AV
4878	76.85	-14.64	62.21	74	-11.79	V	PK
4878	60.57	-14.64	45.93	54	-8.07	V	AV
7317	63.82	-8.28	55.54	74	-18.46	V	PK
7317	49.32	-8.28	41.04	54	-12.96	V	AV

Radiated Emission Test Data (Above 1GHz)							
Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	PK/AV
Highest Channel (2478MHz)							
2478	101.32	-20.55	80.77	114	-33.23	H	PK
2478	95.88	-20.55	75.33	94	-18.67	H	AV
4956	79.64	-14.53	65.11	74	-8.89	H	PK
4956	62.94	-14.53	48.41	54	-5.59	H	AV
7434	65.19	-8.13	57.06	74	-16.94	H	PK
7434	50.12	-8.13	41.99	54	-12.01	H	AV
2478	114.32	-20.55	93.77	114	-20.23	V	PK
2478	87.37	-20.55	66.82	94	-27.18	V	AV
4956	77.17	-14.53	62.64	74	-11.36	V	PK
4956	57.8	-14.53	43.27	54	-10.73	V	AV
7434	65.51	-8.13	57.38	74	-16.62	V	PK
7434	49.85	-8.13	41.72	54	-12.28	V	AV

Note 1: this EUT was tested in 3 orthogonal positions and the worst case position data was reported.

Note 2: Testing is carried out with frequency rang 9kHz to the tenth harmonics. The measurements greater than 20dB below the limit from 9kHz to 30MHz.

Note 3: Other emissions are attenuated 20dB below the limits from 9kHz to 30MHz, so it does not recorded report, 18GHz-26GHz not recorded for no spurious point have a margin of less than 6 dB with respect to the limits.

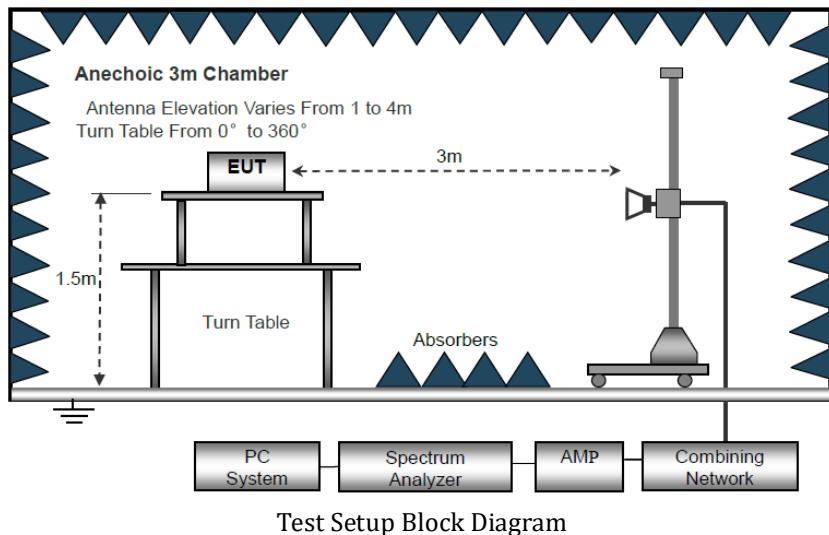
6. Band-edge Emissions

6.1 Standard and Limit

According to §15.249(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

6.2 Test Procedure

Test is conducting under the description of ANSI C63.10 - 2013 section 6.3 to 6.6 and section 6.10.



As the radiated emissions testing, set the Lowest and Highest Transmitting Channel, observed the outside band of 2310MHz to 2400MHz and 2483.5MHz to 2500MHz, than mark the higher-level emission for comparing with the FCC rules.

6.3 Test Data and Results

Based on all tested data, the EUT complied with the FCC Part 15.249 standard limit, and with the worst case as below:

Test Mode	Frequency	Limit	Result
	MHz	dBuV/dBc	
Lowest	2310.00	<54 dBuV	Pass
	2390.00	<54 dBuV	Pass
	2400.00	<54 dBuV	Pass
Highest	2483.50	<54 dBuV	Pass
	2500.00	<54 dBuV	Pass

Radiated Emission Test Data (Band edge emissions)							
Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	PK/AV
Lowest Channel (2403MHz)							
2310	68.23	-21.34	46.89	74	-27.11	H	PK
2310	50.27	-21.34	28.93	54	-25.07	H	AV
2390	65.08	-20.96	44.12	74	-29.88	H	PK
2390	52.86	-20.96	31.9	54	-22.1	H	AV
2400	73.25	-20.91	52.34	74	-21.66	H	PK
2400	52.12	-20.91	31.21	54	-22.79	H	AV
2310	67.03	-21.34	45.69	74	-28.31	V	PK
2310	51.86	-21.34	30.52	54	-23.48	V	AV
2390	65.19	-20.96	44.23	74	-29.77	V	PK
2390	51.8	-20.96	30.84	54	-23.16	V	AV
2400	67.62	-20.91	46.71	74	-27.29	V	PK
2400	52.88	-20.91	31.97	54	-22.03	V	AV
Highest Channel (2478MHz)							
2483.50	71.36	-20.51	50.85	74	-23.15	H	PK
2483.50	53.72	-20.51	33.21	54	-20.79	H	AV
2500	68.88	-20.43	48.45	74	-25.55	H	PK
2500	52.62	-20.43	32.19	54	-21.81	H	AV
2483.50	68.09	-20.51	47.58	74	-26.42	V	PK
2483.50	52.37	-20.51	31.86	54	-22.14	V	AV
2500	64.45	-20.43	44.02	74	-29.98	V	PK
2500	50.54	-20.43	30.11	54	-23.89	V	AV

Remark: Level = Reading + Factor, Margin = Level - Limit

7. Occupied Bandwidth

7.1 Standard and Limit

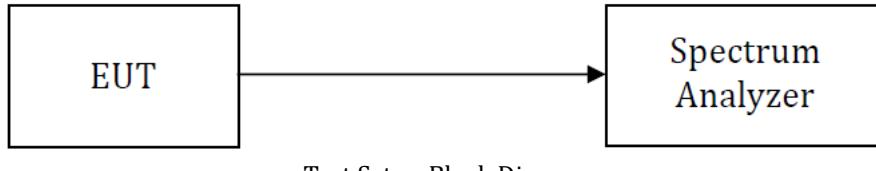
According to 15.215 (c), intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

7.2 Test Procedure

According to the ANSI 63.10-2013, section 6.9, the emission bandwidth test method as follows.

- 1) Remove the antenna from the EUT and connect to the spectrum analyzer via a low loss RF cable.
- 2) Set the spectrum analyzer to any one measured frequency within its operating range.
- 3) Set RBW = 62kHz, VBW = 180kHz, Sweep = Auto.
- 4) Set a reference level on the measuring instrument equal to the highest peak value.
- 5) Measure the frequency difference of two frequencies that were attenuated 20dB from the reference level. Record the frequency difference as the emission bandwidth.
- 6) Repeat the above procedures until all frequencies measured were complete.

All 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 and record the 20dB down and 99% bandwidth of the emission.



Test Setup Block Diagram

7.3 Test Data and Results

Test Channel	Test Frequency	20dB Bandwidth (MHz)	99% Bandwidth (MHz)
Lowest Channel	2403MHz	2.312	2.57
Middle Channel	2439MHz	3.590	2.903
Highest Channel	2478MHz	3.241	2.905



******* END OF REPORT *******