

Report Seal



TEST REPORT

Product: Wireless Pet Fence

Trade mark : PETZEE **Model/Type reference** : PZX-60

Serial Number : N/A

Report Number : EED32Q80050501 FCC ID : 2BLQG-PZX-60T

Date of Issue : Jan. 13, 2025

Test Standards : 47 CFR Part 15 Subpart C

Test result : PASS

Prepared for:

SHENZHEN SEABOOM CO.,LTD
Building 9,Yuanyiyuan Industrial Zone,Baotian,Xi'xiang Street,Bao'an
District,Shenzhen,China.

Prepared by:

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Approved by:	Japon Ma	Date:	Jan. 13, 2025	
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Check No.:1240110124









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	Description		
)	Original	63	6

1	Version			
	Version No.	Date	Descriptio	n
	00	Jan. 13, 2025	Original	
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Test Summary 2



Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15 Subpart C Section 15.203	ANSI C63.10-2013	PASS
AC Power Line Conducted Emission	47 CFR Part 15 Subpart C Section 15.207	ANSI C63.10-2013	PASS
Field Strength of the Fundamental Signal	47 CFR Part 15 Subpart C Section 15.249 (a)	ANSI C63.10-2013	PASS
Spurious Emissions	47 CFR Part 15 Subpart C Section 15.249 (a)/15.209	ANSI C63.10-2013	PASS
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15 Subpart C Section 15.249(a)/15.205	ANSI C63.10-2013	PASS
20dB Occupied Bandwidth	47 CFR Part 15 Subpart C Section 15.215 (c)	ANSI C63.10-2013	PASS

Remark:

Company Name and Address shown on Report, the sample(s) and sample Information were provided by











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General Information

4.1 Client Information

Applicant:	SHENZHEN SEABOOM CO.,LTD
Address of Applicant:	Building 9,Yuanyiyuan Industrial Zone,Baotian,Xi'xiang Street,Bao'an District,Shenzhen,China.
Manufacturer:	SHENZHEN SEABOOM CO.,LTD
Address of Manufacturer:	Building 9,Yuanyiyuan Industrial Zone,Baotian,Xi'xiang Street,Bao'an District,Shenzhen,China.
Factory:	SHENZHEN SEABOOM CO.,LTD
Address of Factory:	Building 9,Yuanyiyuan Industrial Zone,Baotian,Xi'xiang Street,Bao'an District,Shenzhen,China.

General Description of EUT

Product Name:	Wireless Pe	t Fence	6
Model No.:	PZX-60		
Trade mark:	PETZEE		
Product Type:	☐ Mobile	☐ Portable ☐ Fix Location	
Frequency Range:	915MHz		
Number of Channels:	1 (declared	by the client)	
Antenna Type:	Spring anter	nna	52
Antenna gain:	0.5dBi		(4
Test Software of EUT:	RF test		(0)
Test Power Grade:	Default		
	Battery:	DC 5.5V	
Power Supply:	Adapter:	Input:100V-240V~50/60Hz,0.35A; Output:5V,1A	
	USB Port:	DC 5.0V	
Test Voltage:	DC 5.0V		
Sample Received Date:	Dec. 16, 202	24	
Sample tested Date:	Dec. 16, 202	24 to Dec. 24, 2024	(4)





























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Operation Freque	ncy each of channel :
Channel	Frequency(MHz)
CH1	915



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

Channel	Frequency(MHz)
CH1	915



































































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4.3 Test Environment and Mode

Operating Environment:			
Temperature:	22~25.0 °C	(1)	100
Humidity:	50~55 % RH	(5,5)	(6)
Atmospheric Pressure:	1010mbar		100
Test mode:			
Transmitting mode:	Keep the EUT in transmitting	mode with modulation.	

4.4 Description of Support Units

The EUT has been tested independently.

4.5 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385

No tests were sub-contracted. FCC Designation No.: CN1164

4.6 Deviation from Standards

None.

4.7 Abnormalities from Standard Conditions

4.8 Other Information Requested by the Customer



















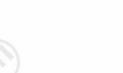


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4.9 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9 x 10 ⁻⁸
0	DE newer conducted	0.46dB (30MHz-1GHz)
2	RF power, conducted	0.55dB (1GHz-18GHz)
(73)	$(C_{L_{\omega}})$	3.3dB (9kHz-30MHz)
3	Dadiated Churique emission test	4.3dB (30MHz-1GHz)
3	Radiated Spurious emission test	4.5dB (1GHz-18GHz)
	(*)	3.4dB (18GHz-40GHz)
4	Conduction emission	3.5dB (9kHz to 150kHz)
4	Conduction emission	3.1dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	3.8%
7	DC power voltages	0.026%





































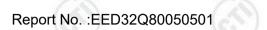














Equipment List

	3M Semi/full-anechoic Chamber(2#)										
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)						
3M Chamber & Accessory Equipment	TDK	SAC-3		05-22-2022	05-21-2025						
Receiver	R&S	ESCI7	100938-003	09-07-2024	09-06-2025						
Spectrum Analyzer	R&S	FSV40	101200	07-18-2024	07-17-2025						
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-076	04-16-2024	04-15-2025						
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	9163-618	05-18-2024	05-17-2025						
Horn Antenna	Schwarzbeck	Schwarzbeck BBHA 9120D		04-16-2024	04-15-2025						
Horn Antenna	A.H.SYSTEMS	SAS-574	374	07-02-2023	07-01-2026						
Preamplifier	Agilent	11909A	12-1	03-22-2024	03-21-2025						
Preamplifier	EMCI	EMC051845SE	980380	12-14-2023 12-05-2024	12-13-2024 12-04-2025						
Preamplifier	CD	PAP-1840-60	6041.6042	06-19-2024	06-18-2025						
Cable line	Fulai(7M)	SF106	5219/6A	05-22-2022	05-21-2025						
Cable line	Fulai(6M)	SF106	5220/6A	05-22-2022	05-21-2025						
Cable line	Fulai(3M)	SF106	5216/6A	05-22-2022	05-21-2025						
Cable line	Fulai(3M)	SF106	5217/6A	05-22-2022	05-21-2025						
Test software			EMEC-3A1- Pre		/						











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		3M full-anech			
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Fully Anechoic Chamber	TDK	FAC-3)	01-09-2024	01-08-2027
Receiver	Keysight	N9038A	MY57290136	01-09-2024	01-08-2025
Spectrum Analyzer	Keysight	N9020B	MY57111112	01-29-2024	01-28-2025
Spectrum Analyzer	Keysight	N9030B	MY57140871	01-23-2024	01-22-2025
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-28-2024	04-27-2025
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-16-2024	04-15-2025
Horn Antenna	ETS- LINDGREN	3117	57407	07-03-2024	07-02-2025
Preamplifier	EMCI	EMC001330	980563	03-08-2024	03-07-2025
Preamplifier	Tonscend	TAP-011858	AP21B806112	07-18-2024	07-17-2025
Preamplifier	Tonscend	EMC051845SE	980380	12-14-2023 12-05-2024	12-13-2024 12-04-2025
Communication test set	R&S	CMW500	104466	12-05-2024	12-04-2025
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631 04-07-202	04-07-2024	04-06-2025
RSE Automatic test software	JS Tonscend	JS36-RSE	V4.0.0.0		- 0
Cable line	Times	SFT205-NMSM- 2.50M	394812-0001	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMSM- 2.50M	394812-0002	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMSM- 2.50M	394812-0003	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMSM- 2.50M	393495-0001	01-09-2024	01-08-2027
Cable line	Times	EMC104-NMNM- 1000	SN160710	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMSM- 3.00M	394813-0001	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMNM- 1.50M	381964-0001	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMSM- 7.00M	394815-0001	01-09-2024	01-08-2027
		HF160-KMKM- 3.00M	393493-0001	01-09-2024	01-08-2027















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Equipment	quipment Manufacturer Model No.		Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)	
Receiver	R&S	ESCI	100435	04-18-2024	04-17-2025	
LISN	R&S	ENV216	100098	09-19-2024	09-18-2025	
Capacitive voltage probe			00124	06-18-2024	06-17-2025	
ISN	TESEQ	ISN T800	30297	12-14-2023 12-05-2024	12-13-2024 12-04-2025	
Barometer	Changchun	DYM3	1188			
Temperature/ Humidity Indicator	Defu	TH128		04-25-2024	04-24-2025	
Test software	Fara	EZ-EMC	EMC-CON 3A1.1	(⁽¹⁾)	(5	

BT/WIFI/SRD RF test system										
Equipment Manufacture		Mode No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)					
Communication test set	R&S	CMW500	107929	06-26-2024	06-25-2025					
Signal Generator	R&S	SMBV100A	1407.6004K02- 262149-CV	09-02-2024	09-01-2025					
Spectrum Analyzer	R&S FSV40		101200	07-18-2024	07-17-2025					
RF control unit(power unit)	MWRF-test	MWRF-test MW100-RFCB MW		06-25-2024	06-24-2025					
Temperature/ Humidity Indicator	biaozhi	HM10	1804186	05-29-2024	05-28-2025					
BT&WI-FI Automatic test software	st MWRF-test MTS 8310		V2.0.0.0							
Spectrum Analyzer	R&S	FSV3044	101509	01/17/2024	01/16/2025					





















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Test results and Measurement Data

6.1 Antenna Requirement

Standard requirement:

15.203 requirement:				
An intentional radiator shall be	designed to ensu	ire that no antenna	other than that furnished	by the
responsible party shall be used	with the device.	The use of a perm	nanently attached antenna	or of an
antenna that uses a unique cou	pling to the inten	ntional radiator, the	manufacturer may design	the unit so

47 CFR Part 15C Section 15.203

that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna: Please see Internal photos

The antenna is integrated on the main PCB and no consideration of replacement.



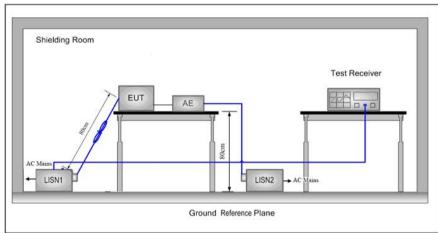


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6.2 AC Power Line Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.2	47 CFR Part 15C Section 15.207							
Test Method:	ANSI C63.10: 2013	ANSI C63.10: 2013							
Test Frequency Range:	150kHz to 30MHz	150kHz to 30MHz							
Receiver setup:	RBW=9 kHz, VBW=30 kHz, S	RBW=9 kHz, VBW=30 kHz, Sweep time=auto							
Limit:	Francisco (MIII-)	Limit (d							
	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	* Decreases with the logarithm of the frequency.							

Test Setup:



Test Procedure:

- The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a $50\Omega/50\mu H + 5\Omega$ linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement.

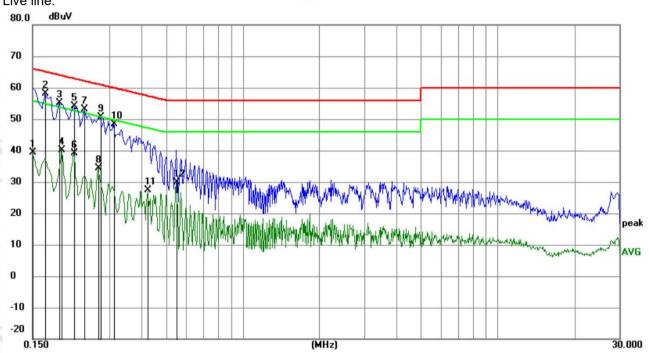


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Test Mode:	All modes were tested, only the worse case lowest channel of 1Mbps for 802.11b was recorded in the report.
Test Results:	Pass

Measurement Data

Live line:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	29.20	10.28	39.48	56.00	-16.52	AVG	
2	*	0.1680	47.79	10.26	58.05	65.06	-7.01	QP	
3		0.1905	44.96	10.22	55.18	64.01	-8.83	QP	
4		0.1949	29.97	10.22	40.19	53.83	-13.64	AVG	
5		0.2175	43.90	10.20	54.10	62.91	-8.81	QP	
6		0.2175	29.02	10.20	39.22	52.91	-13.69	AVG	
7		0.2400	43.05	10.18	53.23	62.10	-8.87	QP	
8		0.2714	24.21	10.15	34.36	51.07	-16.71	AVG	
9		0.2760	40.43	10.15	50.58	60.94	-10.36	QP	
10		0.3120	38.27	10.13	48.40	59.92	-11.52	QP	
11		0.4245	17.29	10.09	27.38	47.36	-19.98	AVG	
12		0.5505	19.72	10.09	29.81	46.00	-16.19	AVG	

Remark:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
- 3. If the Peak value under Average limit, the Average value is not recorded in the report.





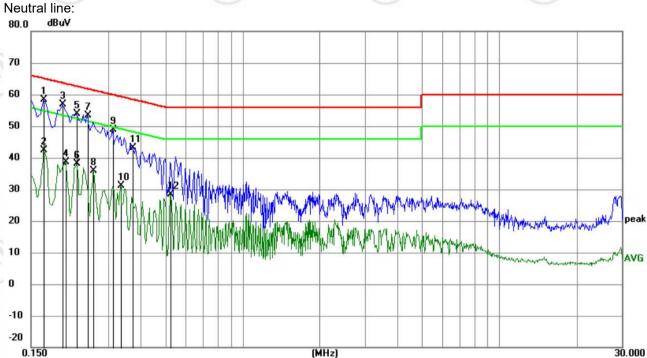








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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1680	48.19	10.26	58.45	65.06	-6.61	QP	
2		0.1680	32.01	10.26	42.27	55.06	-12.79	AVG	
3		0.1995	46.68	10.21	56.89	63.63	-6.74	QP	
4		0.2040	28.36	10.21	38.57	53.45	-14.88	AVG	
5		0.2265	43.59	10.19	53.78	62.58	-8.80	QP	
6		0.2265	27.88	10.19	38.07	52.58	-14.51	AVG	
7		0.2490	43.31	10.17	53.48	61.79	-8.31	QP	
8		0.2625	25.84	10.16	36.00	51.35	-15.35	AVG	
9		0.3120	38.72	10.13	48.85	59.92	-11.07	QP	
10		0.3345	21.01	10.12	31.13	49.34	-18.21	AVG	
11		0.3750	33.09	10.10	43.19	58.39	-15.20	QP	
12		0.5235	18.29	10.08	28.37	46.00	-17.63	AVG	

Remark:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
- 3. If the Peak value under Average limit, the Average value is not recorded in the report.















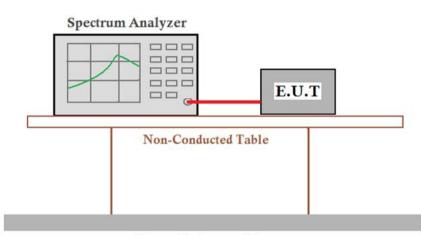
6.3 Radiated Spurious Emissions

6.3.1 Duty Cycle

Test Setup:

Test Requirement: 47 CFR Part 15C Section 15.35 (c)

Test Method: ANSI C63.10:2013



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Ground Reference Plane

Limit: N/A

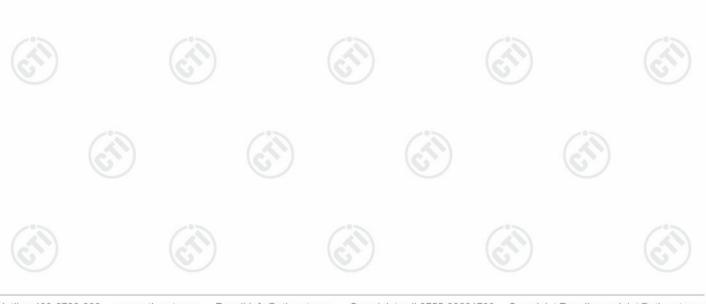
Test Mode: Transmitting mode

Test Results: Pass

T on time (ms)/100ms		
97.7	100	97.7%

Note:

Duty cycle=T on time(ms)/100ms/T period(ms)*100%;





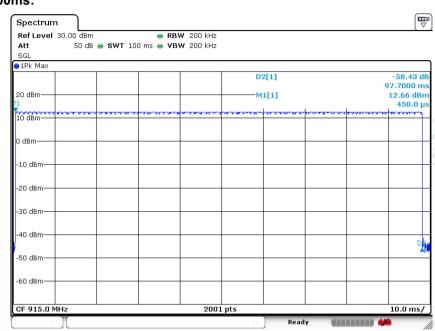






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Test plot as follows: T on time(ms)/100ms:























































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6.3.2 Radiated Spurious Emissions

Test Requirement: 47 CFR Part 15C Section 15.249 and 15.209 and 15.205

Test Method: ANSI C63.10

Test Site: Measurement Distance: 3m (Semi-Anechoic Chamber)

	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
	Above IGHZ	Peak	1MHz	10kHz	Average

Receiver Setup:

(Spurious Emissions)

	Frequency	Field strength	Limit	Remark	Measurement
	rrequericy	(microvolt/meter)	(dBµV/m)	Remark	distance (m)
	0.009MHz-0.490MHz	2400/F(kHz)	-		300
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz-30MHz	30	-	-	30
	30MHz-88MHz	100	40.0	Quasi-peak	3
1	88MHz-216MHz	150	43.5	Quasi-peak	3
0	216MHz-960MHz	200	46.0	Quasi-peak	3
3	960MHz-1GHz	500	54.0	Quasi-peak	3
	Above 1GHz	500	54.0	Average	3
100					

Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

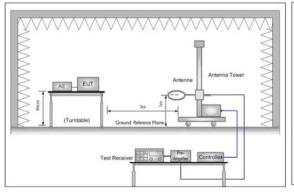
Limit:

Limit:

(Field strength of the fundamental signal)

Frequency	Limit(dBµV/m@3m)	Limit(dBm)	Remark
01111117 to 0101117	94.0	-1.23	Average Value
911MHz to 919MHz	114.0	18.77	Peak Value

Test Setup:



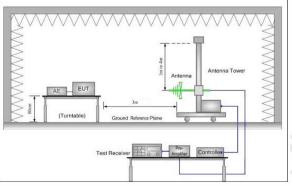




Figure 1. Below 30MHz

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Figure 2. 30MHz to 1GHz

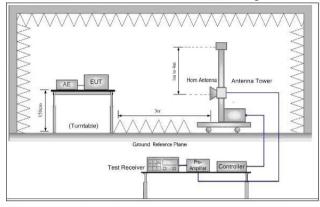


Figure 3. Above 1GHz

Test Procedure:

Below 1GHz test procedure as below:

The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.

The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rota table table was turned from 0 degrees to 360 degrees to find the maximum reading.

The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Above 1GHz test procedure as below:

Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 metre to 1.5 metre(Above 18GHz the distance is 1 meter and table is 1.5 metre).

Test the EUT in the only channel.

The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.

Repeat above procedures until all frequencies measured was complete.

Transmitting mode Test Mode:

Test Results: Pass















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Test data:

Field Strength of the Fundamental Signal:

Average value:			
)	Average value=Peak value + PDCF	(0)	(6)
Calculate Formula:	PDCF=20*log(Duty cycle)		
	Duty cycle= T on time / T period	19	
	T on time =97.7ms	(0	(1)
Test data:	T period =100ms		
	PDCF= -0.20		

Test channel:	CH1
	9111

Antenna pol	Antenna polarization: Horizontal												
Frequency (MHz)	Read Level (dBuV)	Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization							
915	49.48	26.01	75.49	114.00	-38.51	Peak							
915	-	-	75.29	94.00	-18.71	Average							

	Antenna pol	arization: Vertica					
	Frequency (MHz)	Read Level (dBuV)	Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
	915	51.72	26.01	77.73	114.00	-36.27	Peak
	915	<u>-</u>		77.53	94.00	-16.47	Average

Remark:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor







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Spurious Emissions

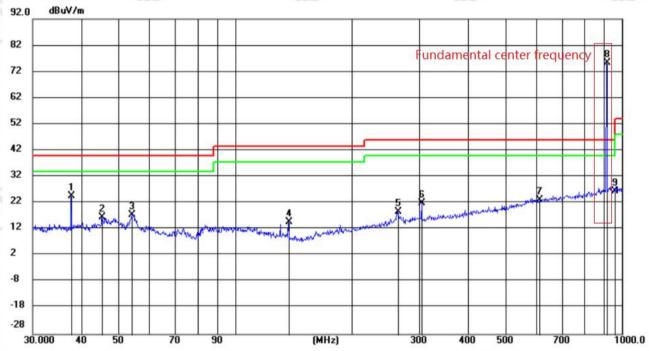
9kHz-30MHz:

9 kHz~30 MHz Field Strength of Unwanted Emissions. Quasi-Peak Measurement The measurements with active loop antenna were greater than 20dB below the limit, so the test data were not recorded in the test report.

30MHz-1GHz & Restricted bands:

	(6)
Test channel:	CH1

Horizontal:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	1	Antenna Height	Table Degree	L.
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		37.7856	11.43	13.32	24.75	40.00	-15.25	peak	100	17	
2		45.3039	2.83	13.58	16.41	40.00	-23.59	peak	200	352	
3		54.1184	4.27	13.30	17.57	40.00	-22.43	peak	200	247	
4		137.4924	5.51	9.33	14.84	43.50	-28.66	peak	100	69	
5		263.2645	4.01	14.76	18.77	46.00	-27.23	peak	100	213	
6		304.1830	5.61	16.23	21.84	46.00	-24.16	peak	100	69	
7		614.0000	0.66	22.36	23.02	46.00	-22.98	peak	100	120	
8	*	915.1055	49.48	26.01	75.49	46.00	29.49	peak	100	358	
9		960.0000	0.33	26.27	26.60	46.00	-19.40	peak	200	226	

Note: No.8 is the fundamental center frequency point of product operation.

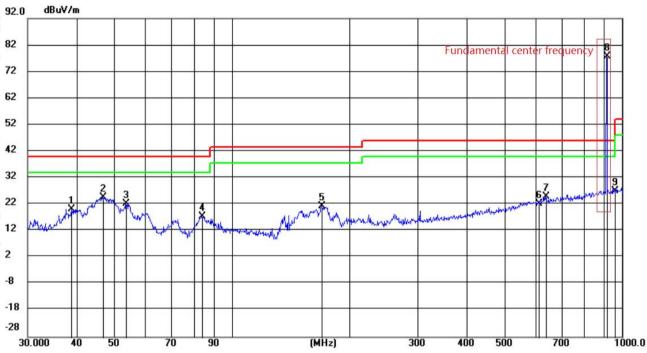






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Vertical:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		38.8878	6.83	13.47	20.30	40.00	-19.70	peak	100	13	
2		46.7073	11.17	13.57	24.74	40.00	-15.26	peak	100	268	
3		53.5615	8.90	13.33	22.23	40.00	-17.77	peak	100	310	
4		83.8156	7.28	10.12	17.40	40.00	-22.60	peak	100	13	
5		169.6288	10.13	11.21	21.34	43.50	-22.16	peak	100	246	
6	ĺ	614.0000	0.04	22.36	22.40	46.00	-23.60	peak	200	100	
7	ij	638.0329	2.28	22.54	24.82	46.00	-21.18	peak	200	309	
8	*	915.1055	51.72	26.01	77.73	46.00	31.73	peak	100	246	
9	1	960.0000	0.74	26.27	27.01	46.00	-18.99	peak	100	215	

Note: No.8 is the fundamental center frequency point of product operation.















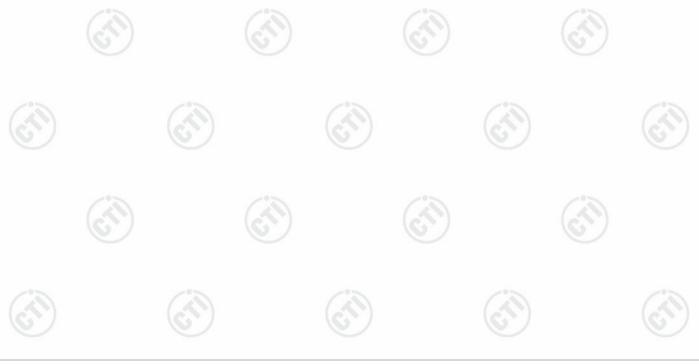
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Above 1GHz:

Test mod	le:				Transmitting (CH1)				
NO	Freq.	Factor	Reading	Level	Limit	Margin	D 14	D. L. Ster	D
NO	[MHz]	[dB]	[dBµV]	[dBµV/m]	[dBµV/m]	[dB]	Result	Polarity	Remark
1	1440.02	-22.58	62.11	39.53	74.00	34.47	PASS	Horizontal	PK
2	1710.04	-20.27	60.24	39.97	74.00	34.03	PASS	Horizontal	PK
3	2745.04	-16.25	56.30	40.05	74.00	33.95	PASS	Horizontal	PK
4	5490.16	-8.54	54.87	46.33	74.00	27.67	PASS	Horizontal	PK
5	8234.34	-3.90	48.21	44.31	74.00	29.69	PASS	Horizontal	PK
6	15894.8	13.52	38.53	52.05	74.00	21.95	PASS	Horizontal	PK
7	1439.76	-22.58	62.06	39.48	74.00	34.52	PASS	Vertical	PK
8	1829.65	-18.15	57.76	39.61	74.00	34.39	PASS	Vertical	PK
9	2550.10	-16.12	56.22	40.10	74.00	33.90	PASS	Vertical	PK
10	5490.16	-8.54	52.72	44.18	74.00	29.82	PASS	Vertical	PK
11	8235.34	-3.90	48.18	44.28	74.00	29.72	PASS	Vertical	PK
12	15890.8	13.37	38.99	52.36	74.00	21.64	PASS	Vertical	PK

Remark:

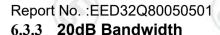
- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
 - Final Test Level =Receiver Reading + Correct Factor
 - Correct Factor = Antenna Factor + Cable Factor Preamplifier Factor
- 2) Scan from 9kHz to 18GHz, below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported .





Test Requirement:

Test Setup:



47 CFR Part 15C Section 15.215

Test Method: ANSI C63.10: 2013

> Spectrum Analyzer E.U.T Non-Conducted Table

Ground Reference Plane

Remark: Offset=Cable loss+ attenuation factor.

1) The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.

2) Set to the maximum power setting and enable the EUT transmit continuously.

3) Use the following spectrum analyzer settings for 20dB Bandwidth

measurement.

Span = approximately 2 to 5 times the 20 dB bandwidth, centered on a test

channel; 1%≤RBW ≤5% of the 20 dB bandwidth; VBW≥3*RBW; Sweep = auto; Detector function = peak; Trace = max hold.

4) Measure and record the results in the test report.

Limit: N/A

Test Mode: Transmitter mode

Test Results: Pass

Measurement Data

Test Procedure:

Test Channel	Frequency Left	Frequency Right	20dB bandwidth	Limit	Results	
	(MHz)	(MHz)	(kHz)	(kHz)		
CH1	914.92854	915.07921	150.67	N/A	Pass	

Note:20dB bandwidth=Frequency Right-Frequency Left;











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Test plot as follows:



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