FCC TEST REPORT				
	FCC ID: 2AY3E-TZ-925			
Report No.	: <u>SSP24040277-1E</u>			
Applicant	: <u>TIZE INTERNATIONAL CO.,LIMITED</u>			
Product Name	: Rechargeable and Waterproof Remote Dog Training Collar			
Model Name	: <u>TZ-925</u>			
Test Standard	: FCC Part 15.231			
Date of Issue	: 2024-05-07			
	CCUT			
	enzhen CCUT Quality Technology Co., Ltd. chnology Industrial Park, Yutang Street, Guangming District, Shenzhen,			
	(Tel.:+86-755-23406590 website: www.ccuttest.com)			
-	bove client company and the product model only. It may not be duplicated ermitted by Shenzhen CCUT Quality Technology Co., Ltd.			

Test Report Basic Information

Applicant: Address of Applicant	TIZE INTERNATIONAL CO.,LIMITED 3/F, Building 1, TianKou Industrial Area, Huang Tian, Xixiang, BaoAn District, ShenZhen, GuangDong Province, China		
Manufacturer: Address of Manufacturer:	ShenZhen TIZE Technology Co.,Ltd 205. Building 18, Jiatiangang Industrial Zone, Huangtian Community, Hangcheng Street, Bao'an District, Shenzhen, China		
Product Name	Rechargeable and Waterproof Remote Dog Training Collar		
Brand Name:	-		
Main Model	TZ-925		
Series Models	TZ-921, TZ-922, TZ-927, TZ-928, TZ-929, TZ-998, TZ-931, TZ-943		
Test Standard	FCC Part 15 Subpart C ANSI C63.4-2014 ANSI C63.10-2013		
Date of Test	2024-04-29 to 2024-05-07		
Test Result	PASS		
Tested By:	Walker Wu (Walker Wu)		
Reviewed By:	Lieber Ougang (Lieber Ouyang)		
Authorized Signatory	Lahm Peng (Lahm Peng)		
	to the above client company and the product model only. It may not be		
	ted by Shenzhen CCUT Quality Technology Co., Ltd All test data presented in		
this test report is only applicabl	e to presented test sample.		

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Revision History

Revision	Issue Date	Description	Revised By
V1.0	2024-05-07	Initial Release	Lahm Peng

1. General Information

1.1 Product Information

Product Name:	Rechargeable and Waterproof Remote Dog Training Collar	
Trade Name:	-	
Main Model:	TZ-925	
Series Models:	TZ-921, TZ-922, TZ-927, TZ-928, TZ-929, TZ-998, TZ-931, TZ-943	
Rated Voltage:	DC 3.7V by battery, USB 5V charging	
Battery:	DC 3.7V, 500mAh	
Hardware Version:	V1.0	
Software Version:	rsion: V1.0	
Note 1: The test data is gath	nered from a production sample, provided by the manufacturer.	
Note 2: The color of appear	rance and model name of series models listed are different from the main model, but	
the circuit and the electroni	ic construction are the same, declared by the manufacturer.	

Wireless Specification	
Operating Frequency:	433.92MHz
Max. Field Strength:	81.26dBuV/m
Modulation:	ASK
Antenna Gain:	-0.58dBi
Type of Antenna:	Internal Antenna
Type of Device:	Portable Device Device Mobile Device

1.2 Test Setup Information

List of Test Modes						
Test Mode	Description		Remark			
TM1	Transmitting			433.92MHz		
TM2	C	Charging		-		
List and Detai	List and Details of Auxiliary Cable					
Description Length (cm			Shielded/Unshielded	With/Without Ferrite		
			-	-		
List and Details of Auxiliary Equipment						
Description Manufacturer		r	Model	Serial Number		
Adapter Huawei			HW-100225C00	HC78E2N6A23645		

1.3 Compliance Standards

Compliance Standards		
ECC Devit 15 Calment C	FEDERAL COMMUNICATIONS COMMISSION, RADIO FREQUENCY DEVICES,	
FCC Part 15 Subpart C	Intentional Radiators	
All measurements contained in this	report were conducted with all above standards	
According to standards for test n	nethodology	
ECC Dort 15 Submort C	FEDERAL COMMUNICATIONS COMMISSION, RADIO FREQUENCY DEVICES,	
FCC Part 15 Subpart C	Intentional Radiators	
	American National Standard for Methods of Measurement of Radio-Noise Emissions	
ANSI C63.4-2014	from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.	
ANSI 662 10 2012	American National Standard of Procedures for Compliance Testing of Unlicensed	
ANSI C63.10-2013	Wireless Devices	
Maintenance of compliance is the re	esponsibility of the manufacturer or applicant. Any modification of the product, which	
result is lowering the emission, show	uld be checked to ensure compliance has been maintained.	

1.4 Test Facilities

	Shenzhen CCUT Quality Technology Co., Ltd.		
Laboratory Name:	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, Yut	ang Street, Guangming District, Shenzhen, Guangdong, China.		

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date		
	Conducted Emissions						
AMN	ROHDE&SCHWARZ	ENV216	101097	2023-10-21	2024-10-20		
EMI Test Receiver	ROHDE&SCHWARZ	ESPI	100242	2023-07-31	2024-07-30		
		Radiated Emissio	ons				
EMI Test Receiver	ROHDE&SCHWARZ	ESPI	100154	2023-07-31	2024-07-30		
Spectrum Analyzer	KEYSIGHT	N9020A	MY48030972	2023-07-31	2024-07-30		
Spectrum Analyzer	ROHDE&SCHWARZ	FSV40-N	101692	2023-07-31	2024-07-30		
Amplifier	SCHWARZBECK	BBV 9743B	00251	2023-07-31	2024-07-30		
Amplifier	HUABO	YXL0518-2.5-45		2023-07-31	2024-07-30		
Loop Antenna	DAZE	ZN30900C	21104	2023-08-07	2024-08-06		
Broadband Antenna	SCHWARZBECK	VULB 9168	01320	2023-08-07	2024-08-06		
Horn Antenna	SCHWARZBECK	BBHA 9120D	02553	2023-08-07	2024-08-06		
		Conducted RF Tes	ting				
RF Test System	MWRFTest	MW100-RFCB	220418SQS-37	2023-07-31	2024-07-30		
Spectrum Analyzer	KEYSIGHT	N9020A	ATO-90521	2023-07-31	2024-07-30		

1.5 List of Measurement Instruments

1.6 Measurement Uncertainty

Test Item	Conditions	Uncertainty
Conducted Emissions	9kHz ~ 30MHz	±1.64 dB
	9kHz ~ 30MHz	±2.88 dB
Radiated Emissions	$30 \text{MHz} \sim 1 \text{GHz}$	±3.32 dB
	1GHz ~ 18GHz	±3.50 dB
Transmission Time	9kHz ~ 26GHz	±1.0 %
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, 15.231(b)	Radiated Emissions	Passed
FCC Part 15.231(c)	Occupied Bandwidth	Passed
FCC Part 15.231(a)	Transmission Time	Passed
FCC Part 15.231(b)(2), 15.35(c)	Duty Cycle	Passed
Passed: The EUT complies with the esse	ntial requirements in the standard	
Failed: The EUT does not comply with th	e 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 internal antenna, fulfill the requirement of this section.

4. Conducted Emissions

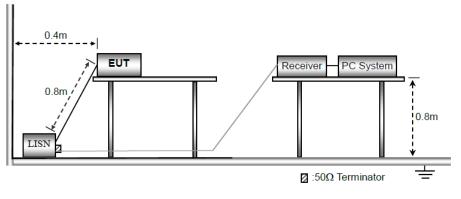
4.1 Standard and Limit

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

Frequency of Emission	Conducted emis	ssions (dBuV)						
(MHz)	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 log	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 conducting 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 F	Plots and Data of	f Conducte	ed Emissic	ons					
Teste	d Mode:	TM2							
Test V	Voltage:	AC 1	20V/60Hz	Z					
Test F	ower Line:	Neut	ral						
Rema	rk:								
90.0	dBuV								
80									
70									
60									FCC Part15 CE-Class B_QP
50									FCC Part15 CE-Class B_AVe
40		5	7	0					
30	YWW.		W B WWWW	Hound And And And And And And And And And A	WWG H	where you	2 00 <i>1</i> 0 0	m	
20	-	-		10	Www. 2	V V	<u>A.M.N.</u>	V	V starty manuscrimenter the start
10					- Concertainty	wowh	$\psi\psi\psi$	γhr	peak
0									AVG
-10	150		00		(MHz)				30.000
U.	150	0.5	00		נייינגן		5.0	00	50.000
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1860	28.91	9.39	38.30	64.21	-25.91	QP	Р	
2	0.1860	14.43	9.39	23.82	54.21	-30.39	AVG	P	
3	0.2805	25.20	9.68	34.88	60.80	-25.92	QP	P	
4	0.2805	12.97	9.68	22.65	50.80	-28.15	AVG	P	
5	0.3300	24.54	9.48	34.02	59.45	-25.43		P	
6	0.3300	13.29	9.48	22.77	49.45	-26.68		P	
7 *		29.04	9.67	38.71	56.00	-17.29	QP	P	
8	0.6450	15.22	9.67	24.89	46.00	-21.11		P	
9	1.0680	23.48	9.79	33.27	56.00	-22.73	QP	P	
10	1.0680	9.93	9.79	19.72	46.00	-26.28	AVG	P	
11	2.0535	17.61	10.05	27.66	56.00	-28.34	QP	P	
12	2.0535	4.44	10.05	14.49	46.00	-31.51	AVG	P	

Test P	lots and Data of	Conducte	ed Emissio	ons									
Testeo	d Mode:	TM2											
Test V	oltage:	AC 1	20V/60Hz										
Test P	ower Line:	Live											
Rema	rk:												
90.0	dBuV												
[1
80										$\left \right $			-
70													
ŀ									FUU	Part	t15 CE-Class B_	0P	
60													1
50									FCC	Part	t15 CE-Class B_	AVe	-
40	3		2										
40	MAMA	40 av			9								1
30 2		MM.	^K \$hvvm	("YMTPHWWWW	ment the week	M VM	VVV	\mathbb{W}	m	y m	Angen When		-
20	LAMA	when	Mark	hand			· ·				What was		
10					C. A. P. MA		$\sqrt{1}$	NV	rΜ	ψĄ	homen	MAN	peak
10											No.		AVG
0										+			
-10		0.50			(MHz)		5.0					30.0	្រា
		0.5	50		(5.0	00				00.0	
No.		Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Re	ema	ırk		
1	0.1500	32.11	9.27	41.38	66.00	-24.62	QP	Ρ					
2	0.1500	14.53	9.27	23.80	56.00	-32.20	AVG	Ρ					
3	0.1905	29.82	8.98	38.80	64.01	-25.21	QP	P					
4	0.1905	15.15	8.98	24.13	54.01	-29.88 -13.84	AVG	P					
5 °	0.6450	32.26 17.45	9.90 9.90	42.16 27.35	56.00 46.00	-13.84	QP AVG	P P					
7	1.0680	25.26	9.99	35.25	56.00	-20.75	QP	P					
8	1.0680	12.05	9.99	22.04	46.00	-23.96	AVG	P					
9	2.2200	23.58	10.06	33.64	56.00	-22.36	QP	P					
10	2.2200	8.44	10.06	18.50	46.00	-27.50	AVG	Ρ					
11	4.9560	19.08	10.23	29.31	56.00	-26.69	QP	Р					
12	4.9560	3.99	10.23	14.22	46.00	-31.78	AVG	Р					

5. Radiated Emissions

5.1 Standard and Limit

According to §15.231(b), the field strength of emissions from intentional radiators operated under this section shall not exceed the following.

Fundamental Frequency	Field Strength of Fundamental	Field Strength of Spurious Emissions							
(MHz)	(micorvolts/meter)	(micorvolts/meter)							
40.66 - 40.70	2250	225							
70 - 130	1250	125							
130 - 174	1250 to 3750	125 to 375							
174 - 260	3750	375							
260 - 470	3750 to 12500	375 to 1250							
Above 470	12500	1250							
Note: Linear interpolations									

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

Frequency of Emission	Field Strength	Measurement Distance								
(MHz)	(micorvolts/meter)	(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								
Note: The more stringent limit applie	Note: The more stringent limit applies at transition frequencies.									

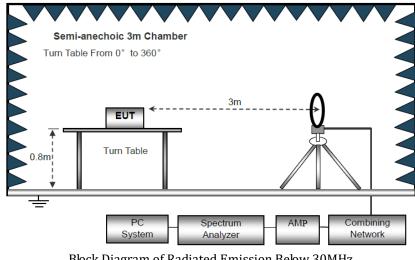
The limits on the field strength of the spurious emissions in the above table are based on the fundamental frequency of the intentional radiator. Spurious emissions shall be attenuated to the average (or, alternatively, CISPR quasi-peak) limits shown in this table or to the general limits shown in §15.209, whichever limit permits a higher field strength.

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.

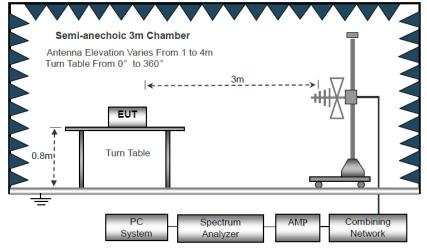
Note: Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

5.2 Test Procedure

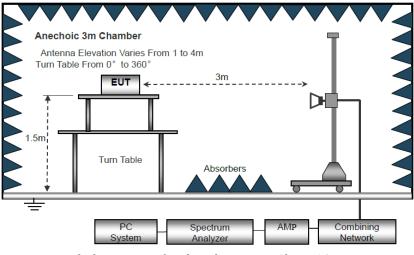
Test is conducting under the description of ANSI C63.10 - 2013 section 6.3 to 6.6.



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 blew 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 $f \ge 1$ GHz, 100 kHz for f < 1 GHz, 10kHz for f < 30MHz VBW \ge 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

Based on all tested data, the EUT complied with the FCC Part 15.231 and 15.209 standard limit for a wireless device, and with the worst case as below:

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

Radia	ted Emi	ssion T	lest Data	(30MHz to	o 1GHz)							
Testeo	d Mode:			TM1								
Гest A	ntenna	Polariz	zation:	Horizon	Iorizontal							
Rema	rk:											
107.0	dBuV/r	n										
107.0	000177											
97												
87												
77										*		_
67												
57								FC	C Part15 I	RE-433.92	_30-10	DOOMHz
47								Ma	argin -6 dB			
37				_ _			— —					
27								2	3			5 marine
17					1			1	in Mu	when an an an	with M	And
ľ	NAL AL CARLEN	the shake and fait	when the section of t	the and the second	man the second and the	performation and the second second second	har with a work	and a start				
7												
-3												
-13	.000					(MHz)						1000.000
30	.000		60.00			(MU2)		300	.00			1000.000
No.		uency Hz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	106.		27.28	-12.14	15.14	43.50	-28.36	QP	100	0	P	
2	315.4		32.89	-8.15	24.74	46.00	-21.26	QP	100	0	Ρ	
3	356.	6758	35.33	-7.36	27.97	46.00	-18.03	QP	100	0	Ρ	
4	433.	9200	86.62	-5.36	81.26	100.80	-19.54	peak	100	0	Ρ	
5 *	706.	6999	29.78	0.65	30.43	46.00	-15.57	QP	100	0	Ρ	
6	867.	8400	55.60	2.50	58.10	80.80	-22.70	peak	100	0	Р	

Radiate	ed Emission '	Test Data (30MHz to	1GHz)							
Гested	Mode:		TM1								
Гest Ar	ntenna Polari	zation:	Vertical								
Remar	k:										
107.0	dBuV/m										
107.0											
97 –											
87											
77									*		
67											
57							FC	C Part15 I	R E- 433.92	30-10)00MHz
47								argin -6 dB			
37											
27											5 June
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7 -											
-3											
-13											
30.0	000	60.00			(MHz)		300.	.00			1000.000
No.	Frequency	Reading	Factor	Level	Limit	Margin	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
4	(MHz)	(dBuV)	(dB/m)	· · ·	(dBuV/m)	(dB)					
1	50.7637 163.1818	30.83 26.81	-8.77 -9.17	22.06 17.64	40.00 43.50	-17.94 -25.86	QP QP	100 100	360 360	P P	
2	296.1836	26.68	-9.17	17.64	45.00	-25.66	QP QP	100	360	P	
4	433.9200	84.54	-5.36	79.18	100.80	-21.62	peak	100	360	P	
5 *	785.0935	29.41	1.89	31.30	46.00	-14.70	QP	100	360	P	
6	867.8400	46.94	2.50	49.44	80.80	-31.36	peak	100	360	Р	

Radiated Em	Radiated Emission Test Data (Below 1GHz)											
Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector					
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	PK/AV					
433.92	81.26	-4.15	77.11	80.8	-3.69	Н	AV					
867.84	58.10	-4.15	53.95	60.8	-6.85	Н	AV					
433.92	79.18	-4.15	75.03	80.8	-5.77	V	AV					
867.84	49.44	-4.15	45.29	60.8	-15.51	V	AV					

Radiated Em	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					
1301.76	75.83	-24.55	51.28	74	-22.72	Н	РК					
1301.76	51.28	-4.15	47.13	54	-6.87	Н	AV					
1735.68	78.38	-23.71	54.67	80.8	-26.13	Н	РК					
1735.68	54.67	-4.15	50.52	60.8	-10.28	Н	AV					
1301.76	81.43	-24.55	56.88	74	-17.12	V	РК					
1301.76	56.88	-4.15	52.73	54	-1.27	V	AV					
1735.68	80.73	-23.71	57.02	80.8	-23.78	V	РК					
1735.68	57.02	-4.15	52.87	60.8	-7.93	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, above 1GHz not recorded for no spurious point have a margin of less than 6 dB with respect to the limits.

Note 4: Avg Emission Level=Peak Emission Level + Duty Cycle Factor, Duty Cycle Factor =-4.15 (refer to section 8 of this report)

6. Occupied Bandwidth

6.1 Standard and Limit

According to FCC Part 15.231(c), The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70MHz and below 900MHz. Bandwidth is determined at the points 20 dB down from the modulated carrier.

6.2 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 to $1\% \sim 5\%$ of bandwidth, VBW \geq 3RBW, 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.

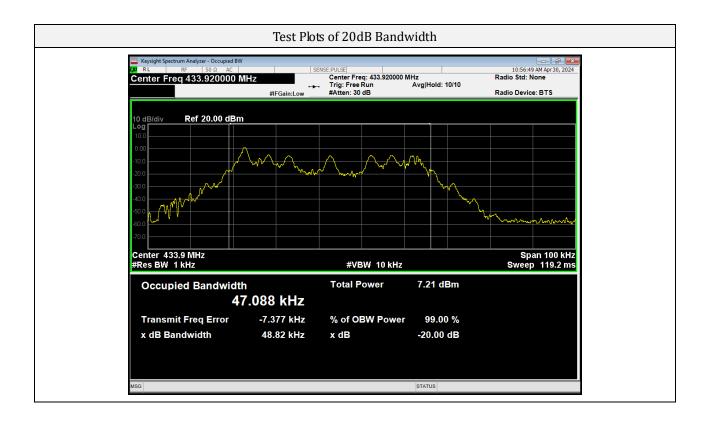
All the trace to stabilize, use the marker-to-peak function to set the marker to the peak of the emission, use the marker-delta function to measure and record the 20dB down and 99% bandwidth of the emission.



Test Setup Block Diagram

6.3 Test Data and Results

Test Channel	20dB Bandwidth	99% Bandwidth	Limit	Test Result	
(MHz)	(kHz)	(kHz)	(kHz)	lest Result	
433.92MHz	48.82	47.088	1084.8	Pass	



7. Transmission Time

7.1 Standard and Limit

According to FCC Part 15.231 (a), the transmitter shall be complied the following requirements:

1) A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

2) A transmitter activated automatically shall cease transmission within 5 seconds after activation.

3) Periodic transmissions at regular predetermined intervals are not permitted. However, polling or supervision transmissions, including data, to determine system integrity of transmitters used in security or safety applications are allowed if the total duration of transmissions does not exceed more than two seconds per hour for each transmitter. There is no limit on the number of individual transmissions, provided the total transmission time does not exceed two seconds per hour.

7.2 Test Procedure

1) Remove the antenna from the EUT and connect to the spectrum analyzer via a low loss RF cable.

2) Set the center frequency of the spectrum analyzer to the transmitter's operating frequency.

3) Set RBW = 100KHz, VBW = 300KHz, Detector = RMS.

4) Set the spectrum analyzer to Zero Span and adjust sweep time for the release time reading.

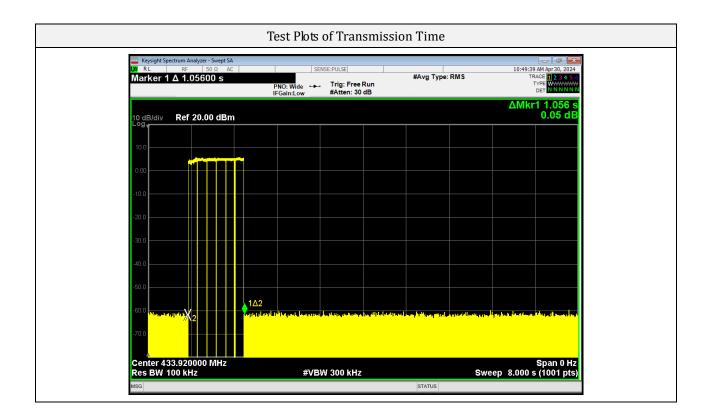
5) During the testing, the switch was released then the EUT automatically deactivated.



Test Setup Block Diagram

7.3 Test Data and Results

Transmission Type	Test Frequency (MHz)	Transmission Time (s)	Limit (s)	Result
Manually	433.92	1.056	5	Pass



8. Duty Cycle

8.1 Standard and Limit

According to FCC Part 15.231 (b)(2) and 15.35 (c), For pulse operation transmitter, the averaging pulsed emissions are calculated by peak value of measured emission plus duty cycle factor.

8.2 Test Procedure

1) Remove the antenna from the EUT and connect to the spectrum analyzer via a low loss RF cable.

2) Set the center frequency of the spectrum analyzer to the transmitter's operating frequency.

3) Set RBW = 100KHz, VBW = 300KHz, Detector = RMS.

4) Set the spectrum analyzer to Zero Span and adjust sweep time for the release time reading.

5) During the testing, the switch was released then the EUT automatically deactivated.



Test Setup Block Diagram

8.3 Test Data and Results

Type of Pulse	Width of Pulse	Quantity of Pulse	Transmission Time	Total Time(Ton)
	ms		S	S
Pulse	168	6	1.008	1.008

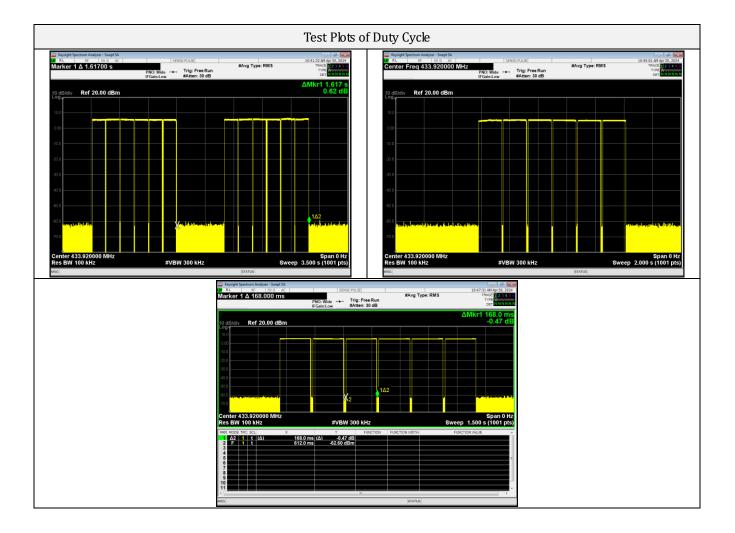
Test Period (T _p)	Total Time (T _{on})	Duty Cycle	Duty Cycle Factor
S	S	%	dB
1.617	1.008	62	-4.15

Note:

1. Ton = Pulse 1* Quantity of Pulse + Pulse 2* Quantity of Pulse+...Pulse N* Quantity of Pulse

2. Duty Cycle = $(T_{on}/T_p)*100\%$

3. Duty Cycle Factor = 20log(Duty Cycle)



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