

TEST REPORT

Applicant : Qufei Technology (Pujiang) Co., Ltd.
Address : Room 401, Building F9, No. 187, Suoyuan Road, Zhengzhai Town,
Pujiang County, Jinhua City, Zhejiang Province, China
Manufacturer : Qufei Technology (Pujiang) Co., Ltd.
Address : Room 401, Building F9, No. 187, Suoyuan Road, Zhengzhai Town,
Pujiang County, Jinhua City, Zhejiang Province, China
Product Name : Remote control model aircraft
Model Number : ZY-320
Trademark : N/A
FCC ID : 2BXLf-ZY-320
Test Date : Sept. 11, 2026 – Sept. 16, 2026
Date of Report : Sept. 16, 2026
Test Result : This device described above has been tested by NTT, and the test results show that the equipment under test (EUT) is in compliance with the Standard requirements. And it is applicable only to the tested sample identified in the report.
Test Procedure Used:
Standards : FCC CFR Title 47 Part 15 Subpart C Section 15.249
ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024

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Revision History of This Test Report

[illegible]

1. General Information

1.1. Description of Device (EUT)

EUT Name : Remote control model aircraft

Model No. : ZY-320, ZY-420, ZY-425, ZY-530, ZY-530D, ZY-325, ZY-525

Model Difference : Except for the model name, exterior color, and the appearance of the accessory (toy airplane), all models utilize the same circuitry and modules.

Power supply : DC 1.5V*3 cell "AAA" Carbon zinc battery

Operation frequency : 2407MHz-2475MHz

Modulation : GFSK

Antenna Type : Built-in antenna, Maximum Gain is 0dBi

Intend use environment : Residential, commercial and light industrial environment

1.2. Channel List

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	2407	28	2434	55	2461
2	2408	29	2435	56	2462
3	2409	30	2436	57	2463
4	2410	31	2437	58	2464
5	2411	32	2438	59	2465
6	2412	33	2439	60	2466
7	2413	34	2440	61	2467
8	2414	35	2441	62	2468
9	2415	36	2442	63	2469
10	2416	37	2443	64	2470
11	2417	38	2444	65	2471
12	2418	39	2445	66	2472
13	2419	40	2446	67	2473
14	2420	41	2447	68	2474
15	2421	42	2448	69	2475
16	2422	43	2449		
17	2423	44	2450		
18	2424	45	2451		
19	2425	46	2452		
20	2426	47	2453		
21	2427	48	2454		
22	2428	49	2455		
23	2429	50	2456		
24	2430	51	2457		
25	2431	52	2458		
26	2432	53	2459		
27	2433	54	2460		

1.3.Summary of test result

RF PART		
Test Items	Test Requirement	Result
Antenna requirement	FCC part 15.203	PASS
AC Power Line Conducted Emission	FCC part 15.207	N/A
Field strength of the fundamental signal	FCC part 15.249 (a)	PASS
Spurious Emission	FCC part 15.249 (a) (d)/15.209	PASS
Band Edge	FCC part 15.249 (d)/15.205	PASS
20dB Occupied Bandwidth	FCC part 15.215 (c)	PASS
Remark: N/A is an abbreviation for Not Applicable. Measurement Uncertainty is not taken into account for conformity statement		

1.4.Special Accessories and Auxiliary Equipment

Description	Manufacturer	Model No.	Hardware Version	Software Version
/	/	/	/	/

1.5.Test mode

The special RF test software was used to control EUT work in Continuous TX mode, and select test channel, wireless mode.

Test mode	Channel
GFSK	2407MHz
GFSK	2440MHz
GFSK	2472MHz
Note: Only the worst Data Record in the report	

1.6. Test configuration

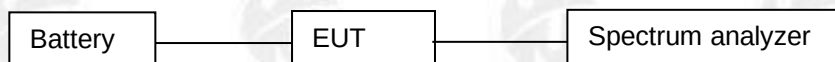
Transmitting mode	Keep the EUT in continuously transmitting mode.
Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.	
Test Software	Engineering mode
Power level setup	Default

1.7. Block Diagram

Radiated Emission



RF Conducted Test



1.8. Test Conditions

Category	Normal Conditions	Extreme Conditions
Temperature range	15-35°C	N/A
Humidity range	20-75%	N/A
Pressure range	86-106kPa	N/A
Power supply	DC 1.5V*3	N/A
Note: N/A is an abbreviation for Not Applicable.		

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

Parameter	Uncertainty
RF output power, conducted	±1.0dB
Power Spectral Density, conducted	±2.2dB
Radio Frequency	± 1 x 10 ⁻⁶
Bandwidth	± 1.5 x 10 ⁻⁶
Time	±2%
Duty Cycle	±2%
Temperature	±1°C
Humidity	±5%
DC and low frequency voltages	±3%
Conducted Emissions (150kHz~30MHz)	±3.64dB
Radiated Emission(9KHz~30MHz)	±4.51dB
Radiated Emission(30MHz~1GHz)	±5.03dB
Radiated Emission(1GHz~25GHz)	±4.74dB
Remark: When making a conformity declaration based on test results for regulations/standards or specifications, the default is to use Clause 4.2.1 of ILAC-G8:09/2019 and the guidelines on decision rules and conformity declaration in IEC Guide 115:2023.	

1.10.Test Facility

Site Description		
Name of Firm	:	Shenzhen NTT Testing Technology Co.,Ltd.
Site Location	:	1B, Building 2, Factory Building & 103, Building 3, Factory Building, Dayang Industrial Park No.4, Industrial Avenue, Tangwei Community, Fuhai Sub-district, Bao 'an District, Shenzhen City, China
FCC Designation Number	:	CN3446
FCC Test Firm Registration Number	:	129414

1.11. Test Equipment

Conducted Test Site

Name	Model No.	Serial No.	Manufacturer	Date of Cal.	Due Date
944 Shielded Room	HSRCE944	/	HTEC	2025/04/30	2028/04/29
EMI Test Receiver	ESCI	100881/003	ROHDE&SCHWARZ	2026/09/04	2027/09/03
LISN	AMN6500	101185	ROHDE&SCHWARZ	2026/09/04	2027/09/03
LISN	NNLK 8129	00603	SCHWARZBECK	2026/09/04	2027/09/03
Pulse Limiters	VTSD 9561 F	00343	SCHWARZBECK	2026/09/04	2027/09/03
Cable	RG223-2M	/	RG	2026/09/04	2027/09/03

Radiated Test Site(Below 1G and Above 1G)&RF Test Site

Name	Model No.	Serial No.	Manufacturer	Date of Cal.	Due Date
966 Shielded Room	966 Room	/	EMToni	2025/07/24	2028/07/23
EMI Test Receiver	ESPI	101018	ROHDE&SCHWARZ	2026/09/04	2027/09/03
Amplifier (30MHz-1GHz)	BBV 9745	00431	SCHWARZBECK	2026/09/04	2027/09/03
Bilog Antenna (30MHz-1GHz)	VULB9168	1858	SCHWARZBECK	2026/09/05	2027/09/04
Horn antenna (1GHz-18GHz)	BBHA 9120 D	02622	SCHWARZBECK	2026/09/05	2027/09/04
Preamplifier (1GHz-18GHz)	BBV 9718D	0024	SCHWARZBECK	2026/09/04	2027/09/03
Spectrum Analyzer (10Hz-40GHz)	FSV 40	100952	ROHDE&SCHWARZ	2026/09/04	2027/09/03
Preamplifier (18GHz-40GHz)	BBV 9721	0056	SCHWARZBECK	2026/09/04	2027/09/03
Double Ridge Guide Horn Antenna (18GHz-40GHz)	SAS-574	588	A.H.System	2026/09/05	2027/09/04
Loop Antenna (9KHz-30MHz)	FMZB 1513-60	00115	SCHWARZBECK	2026/09/04	2027/09/03
MXG Signal Analyzer	N9020A	MY491007 30	Agilent	2026/09/04	2027/09/03
MXG Vector Signal Generator	N5182A	MY501449 20	Agilent	2026/09/04	2027/09/03
WIDEBAND RADIO COMMUNICATION TESTER	CMW500	/	ROHDE&SCHWARZ	2026/09/07	2027/09/06

Power Sensor	MW100-RFCB -2	MW260105 NTT-64	MWRFTest	2026/09/04	2027/09/03
RF Swith	MW100-RFCB -1	MW260105 NTT-64	MWRFTest	2026/09/04	2027/09/03
Cable	RG223-3M	/	DA	2026/09/04	2027/09/03
Cable	RG223-12M	/	DA	2026/09/04	2027/09/03
Cable	SFT205-NMN MSW-2.5M	/	DA	2026/09/04	2027/09/03
Cable	SFT205-NMN M-12M	/	DA	2026/09/04	2027/09/03
Cable	UCA500-NJW SM-1.5M	017	MWRFTest	2026/09/04	2027/09/03

Test software

Item	Name	Manufacturer	Model	Software version
1	EMC Conduction Test System	FALA	EZ-EMC	Ver.EMC-CON 3A1.1+
2	EMC radiation test system	FALA	EZ-EMC	Ver.FA-03A2 RE+
3	RF test system	TACHOY	RFTest	V1.0.0
4	RF communication test system	TACHOY	RFTest	V1.0.0

2. Conducted emission at the mains terminals test

2.1.Limit

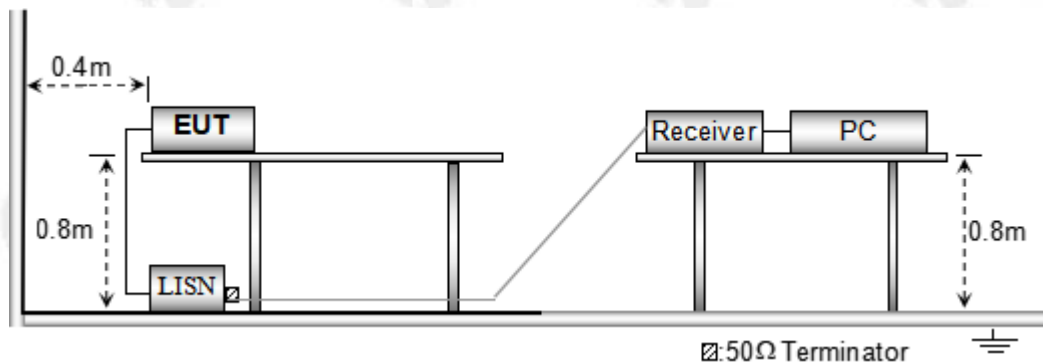
Test Requirement:	FCC Part15 C Section 15.207
Test Method:	ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024
Test Frequency Range:	150KHz to 30MHz
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto

Frequency MHz	Limits dB(μ V)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	66 ~ 56*	56 ~ 46*
0.50 ~ 5.00	56	46
5.00 ~ 30.00	60	50

Notes: 1. *Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

2.2.Test Setup



2.3.Test Procedure

1. 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 equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
2. 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.
3. 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.
4. LISN at least 80 cm from nearest part of EUT chassis.
5. For the actual test configuration, please refer to the related Item - EUT Test Photos.

2.4. Test Result

Not applicable, the product is powered by battery.

3. Radiated Spurious Emissions

3.1. Limit

Test Requirement: FCC CFR47 Part 15 Section 15.209 & 15.249
 Test Method: ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024
 Test Result: PASS
 Measurement Distance: 3m

Frequency	Detector	RBW	VBW	Value
9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
	Peak	1MHz	10Hz	Average

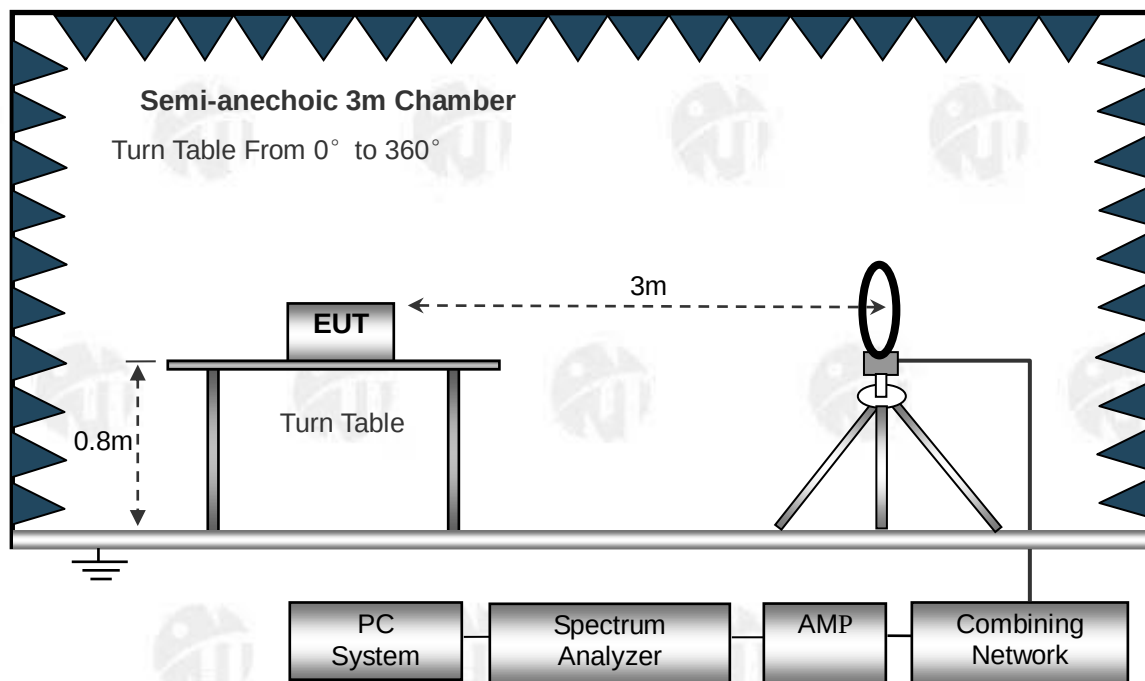
Limit:

Frequency (MHz)	Field Strength		Field Strength Limit at 3m Measurement Dist	
	uV/m	Distance (m)	uV/m	dBuV/m
0.009 ~ 0.490	2400/F(kHz)	300	$10000 * 2400/F(kHz)$	$20\log(2400/F(kHz)) + 80$
0.490 ~ 1.705	24000/F(kHz)	30	$100 * 24000/F(kHz)$	$20\log(24000/F(kHz)) + 40$
1.705 ~ 30	30	30	$100 * 30$	$20\log(30) + 40$
30 ~ 88	100	3	100	$20\log(100)$
88 ~ 216	150	3	150	$20\log(150)$
216 ~ 960	200	3	200	$20\log(200)$
Above 960	500	3	500	$20\log(500)$

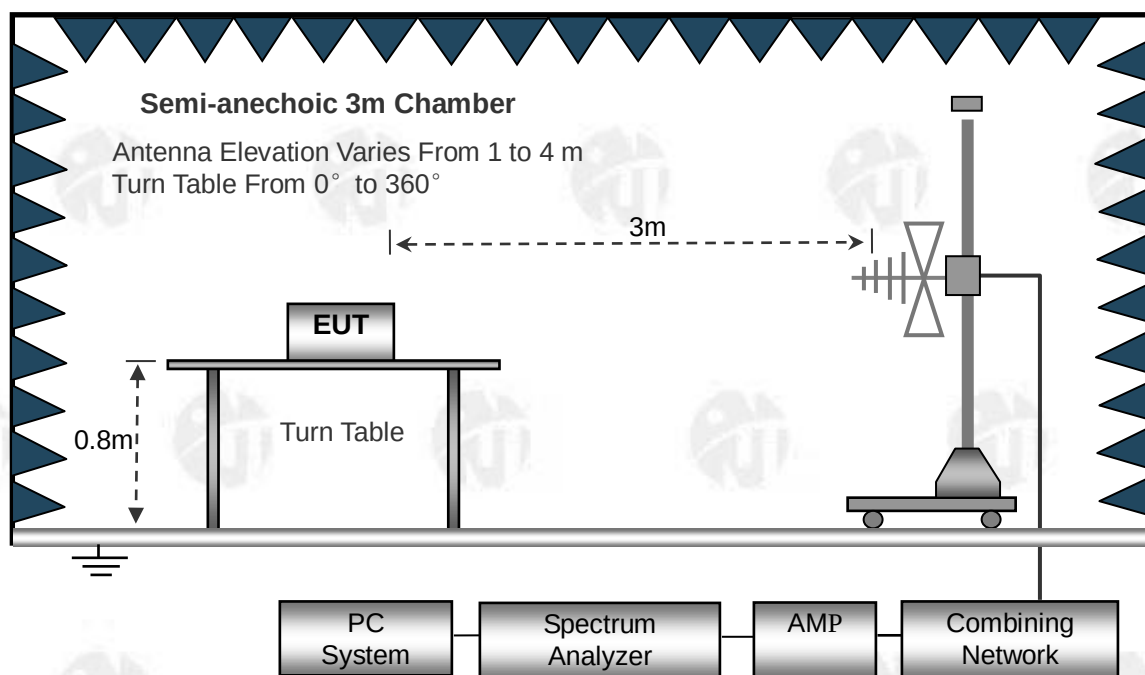
3.2.Test Setup

The radiated emission tests were performed in the 3m Semi- Anechoic Chamber test site, using the setup accordance with the ANSI C63.10.

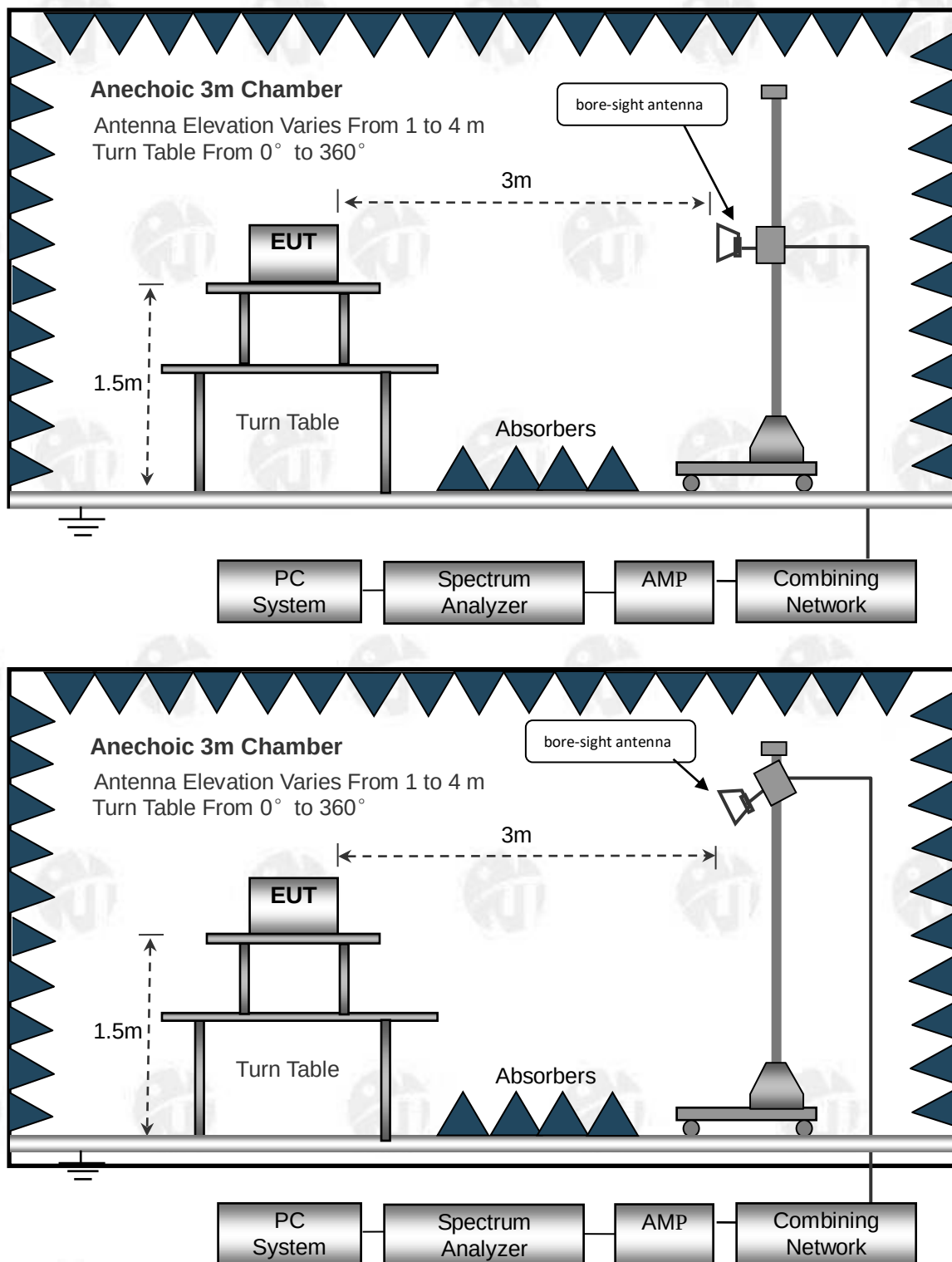
The test setup for emission measurement below 30MHz.



The test setup for emission measurement from 30 MHz to 1 GHz.



The test setup for emission measurement above 1 GHz.



3.3.Test Procedure

1. The EUT is placed on a turntable, which is 0.8m above ground plane for below 1GHz and 1.5m for above 1GHz.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is moved from 1m to 4m to find out the maximum emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.
7. The radiation measurements are performed in X,Y and Z axis positioning(X denotes lying on the table, Y denotes side stand and Z denotes vertical stand),the worst condition was tested putting the eut in Z axis,so the worst data were shown as follow.
8. A 2.4GHz high - pass filter is used during radiated emissions above 1GHz measurement.

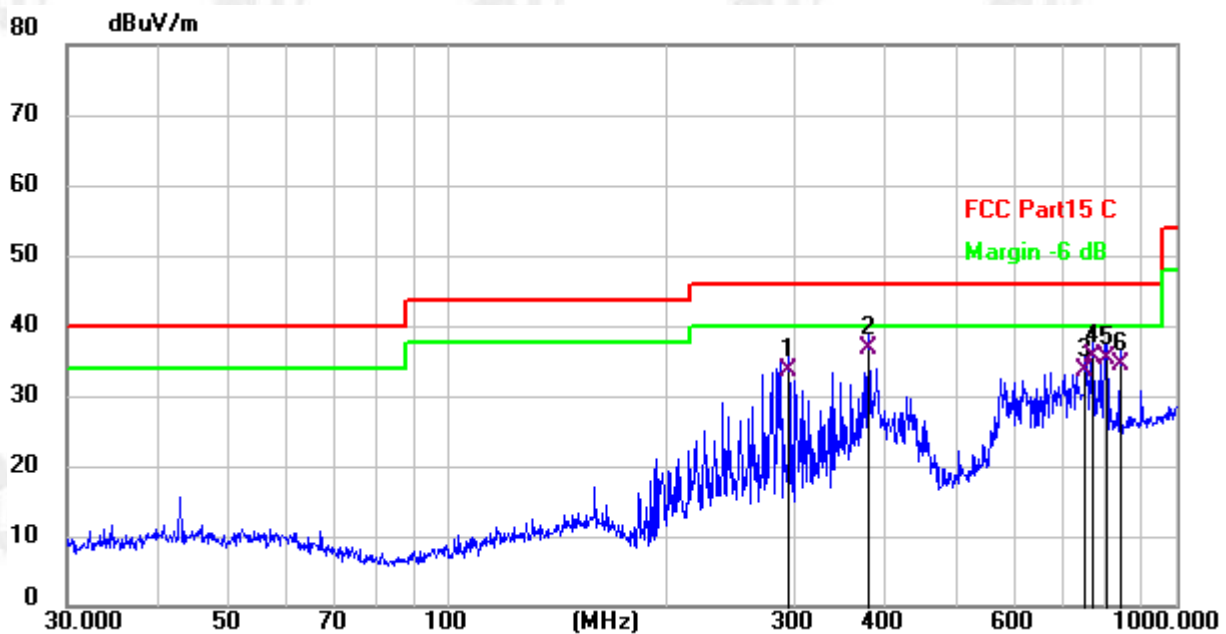
3.4.Test Result

Test Frequency: 9KHz~30MHz

The measurements were more than 20 dB below the limit and not reported.

Test Frequency : 30MHz ~ 1GHz

Radiation Emission Test Data			
Temperature:	25.5℃	Relative Humidity:	53%
Pressure:	1008hPa	Phase :	Horizontal
Test Voltage :	DC 1.5V*3 from battery	Test Mode:	GFSK-2407MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	294.1137	55.09	-21.59	33.50	46.00	-12.50	QP
2 *	378.5843	55.96	-19.36	36.60	46.00	-9.40	QP
3	750.1083	43.44	-9.84	33.60	46.00	-12.40	QP
4	768.7481	45.20	-9.50	35.70	46.00	-10.30	QP
5	804.6028	44.15	-8.85	35.30	46.00	-10.70	QP
6	839.1818	42.85	-8.35	34.50	46.00	-11.50	QP

Note:

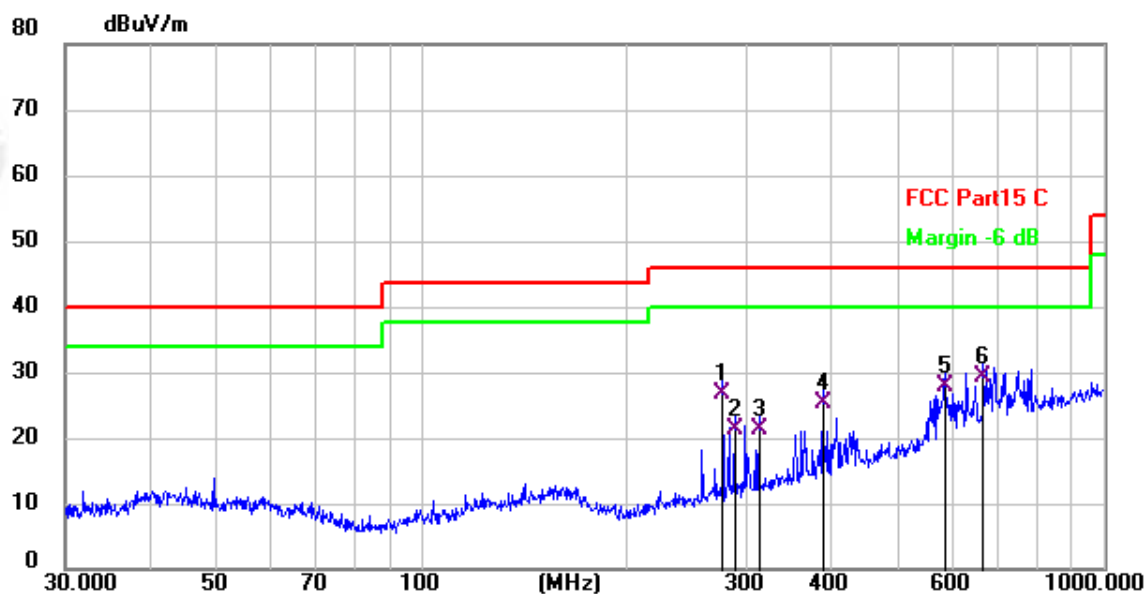
1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Emission Level = Reading + Factor

Margin=Emission Level-Limit

2. All the modes have tested and recorded the worst mode in the report

Radiation Emission Test Data			
Temperature:	25.3°C	Relative Humidity:	54%
Pressure:	1008hPa	Phase :	Vertical
Test Voltage :	DC 1.5V*3 from battery	Test Mode:	GFSK-2407MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	276.1235	48.89	-22.19	26.70	46.00	-19.30	QP
2	287.9904	43.09	-21.79	21.30	46.00	-24.70	QP
3	312.1794	42.48	-21.08	21.40	46.00	-24.60	QP
4	387.9920	44.52	-19.12	25.40	46.00	-20.60	QP
5	584.7894	41.36	-13.46	27.90	46.00	-18.10	QP
6 *	665.8034	40.93	-11.53	29.40	46.00	-16.60	QP

Note:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Emission Level = Reading + Factor

Margin=Emission Level-Limit

2. All the modes have tested and recorded the worst mode in the report

Field Strength Calculation

Frequency (MHz)	Ant. Polarization H / V	Emission level dBμV/m	Limits dBμV/m	Margin dBμV/m	Detector	Result
2407	H	98.76	114	-15.24	PK	PASS
2407	H	90.42	94	-3.58	AV	PASS
2407	V	94.58	114	-19.42	PK	PASS
2407	V	87.84	94	-6.16	AV	PASS

Frequency (MHz)	Ant. Polarization H / V	Emission level dBμV/m	Limits dBμV/m	Margin dBμV/m	Detector	Result
2440	H	95.95	114	-18.05	PK	PASS
2440	H	92.57	94	-1.43	AV	PASS
2440	V	92.29	114	-21.71	PK	PASS
2440	V	83.42	94	-10.58	AV	PASS

Frequency (MHz)	Ant. Polarization H / V	Emission level dBμV/m	Limits dBμV/m	Margin dBμV/m	Detector	Result
2472	H	96.38	114	-17.62	PK	PASS
2472	H	92.65	94	-1.35	AV	PASS
2472	V	92.27	114	-21.73	PK	PASS
2472	V	84.96	94	-9.04	AV	PASS

Note: 1. Emission Level = Reading + Factor,
 Margin= Emission Level - Limit

1GHz~25GHz

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-ampli fier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel:2407MHz									
V	4814	51.99	34.12	5.03	32.39	55.29	74.00	-18.71	Pk
V	4814	41.31	34.12	5.03	32.39	44.61	54.00	-9.39	AV
V	7221	48.86	32.54	6.29	35.86	58.47	74.00	-15.53	Pk
V	7221	34.98	32.54	6.29	35.86	44.59	54.00	-9.41	AV
V	9628	46.04	32.98	7.55	38.40	59.01	74.00	-14.99	Pk
V	9628	30.86	32.98	7.55	38.40	43.83	54.00	-10.17	AV
V	12035	44.36	32.09	8.93	39.00	60.20	74.00	-13.80	Pk
V	12035	27.87	32.09	8.93	39.00	43.71	54.00	-10.29	AV
H	4814	49.61	34.12	5.03	32.39	52.91	74.00	-21.09	Pk
H	4814	39.79	34.12	5.03	32.39	43.09	54.00	-10.91	AV
H	7221	45.25	32.54	6.29	35.86	54.86	74.00	-19.14	Pk
H	7221	31.96	32.54	6.29	35.86	41.57	54.00	-12.43	AV
H	9628	45.21	32.98	7.55	38.40	58.18	74.00	-15.82	Pk
H	9628	29.50	32.98	7.55	38.40	42.47	54.00	-11.53	AV
H	12035	40.45	32.09	8.93	39.00	56.29	74.00	-17.71	Pk
H	12035	25.74	32.09	8.93	39.00	41.58	54.00	-12.42	AV
Low Channel:2440MHz									
V	4880	48.30	34.07	5.09	32.59	51.91	74.00	-22.09	Pk
V	4880	38.64	34.07	5.09	32.59	42.25	54.00	-11.75	AV
V	7320	46.44	32.63	6.34	35.96	56.11	74.00	-17.89	Pk
V	7320	34.21	32.63	6.34	35.96	43.88	54.00	-10.12	AV
V	9760	42.65	32.92	7.59	38.40	55.72	74.00	-18.28	Pk
V	9760	29.07	32.92	7.59	38.40	42.14	54.00	-11.86	AV
V	12200	40.01	31.96	8.88	39.04	55.97	74.00	-18.03	Pk
V	12200	27.71	31.96	8.88	39.04	43.67	54.00	-10.33	AV
H	4880	49.80	34.07	5.09	32.59	53.41	74.00	-20.59	Pk
H	4880	39.67	34.07	5.09	32.59	43.28	54.00	-10.72	AV
H	7320	44.90	32.63	6.34	35.96	54.57	74.00	-19.43	Pk
H	7320	33.90	32.63	6.34	35.96	43.57	54.00	-10.43	AV
H	9760	39.38	32.92	7.59	38.40	52.45	74.00	-21.55	Pk
H	9760	30.07	32.92	7.59	38.40	43.14	54.00	-10.86	AV
H	12200	40.37	31.96	8.88	39.04	56.33	74.00	-17.67	Pk
H	12200	28.19	31.96	8.88	39.04	44.15	54.00	-9.85	AV
Low Channel:2472MHz									
V	4944	47.64	34.02	5.15	32.80	51.57	74.00	-22.43	Pk
V	4944	35.40	34.02	5.15	32.80	39.33	54.00	-14.67	AV
V	7416	45.54	32.71	6.40	36.05	55.28	74.00	-18.72	Pk
V	7416	34.15	32.71	6.40	36.05	43.89	54.00	-10.11	AV
V	9888	41.08	32.86	7.62	38.40	54.24	74.00	-19.76	Pk
V	9888	28.72	32.86	7.62	38.40	41.88	54.00	-12.12	AV
V	12360	39.55	31.82	8.84	39.08	55.65	74.00	-18.35	Pk
V	12360	27.04	31.82	8.84	39.08	43.14	54.00	-10.86	AV
H	4944	47.96	34.02	5.15	32.80	51.89	74.00	-22.11	Pk
H	4944	37.12	34.02	5.15	32.80	41.05	54.00	-12.95	AV
H	7416	43.53	32.71	6.40	36.05	53.27	74.00	-20.73	Pk



H	7416	31.02	32.71	6.40	36.05	40.76	54.00	-13.24	AV
H	9888	38.26	32.86	7.62	38.40	51.42	74.00	-22.58	Pk
H	9888	29.28	32.86	7.62	38.40	42.44	54.00	-11.56	AV
H	12360	38.25	31.82	8.84	39.08	54.35	74.00	-19.65	Pk
H	12360	27.21	31.82	8.84	39.08	43.31	54.00	-10.69	AV

Note: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,

Margin= Emission Level - Limit

2. If peak below the average limit, the average emission was no test.

3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

The 1-25GHz range has been tested, and the report only records the worst performance of the 1-18G range.

Spurious Emission in Restricted Band 2310-2390MHz and 2483.5-2500MHz

	Polar (H/V)	Frequenc y (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV /m)	Margi n (dB)	Detec tor Type
GFSK	Low Channel: 2407MHz									
	H	2390	57.88	35.17	3.48	27.49	53.68	74	-20.32	PK
	H	2390	49.51	35.17	3.48	27.49	45.31	54	-8.69	AV
	H	2400	58.93	35.16	3.49	27.52	54.78	74	-19.22	PK
	H	2400	49.48	35.16	3.49	27.52	45.33	54	-8.67	AV
	V	2390	56.92	35.17	3.48	27.49	52.72	74	-21.28	PK
	V	2390	49.07	35.17	3.48	27.49	44.87	54	-9.13	AV
	V	2400	58.82	35.16	3.49	27.52	54.67	74	-19.33	PK
	V	2400	49.19	35.16	3.49	27.52	45.04	54	-8.96	AV
	High Channel: 2472MHz									
	H	2483.50	57.10	35.11	3.56	27.75	53.30	74	-20.7	PK
	H	2483.50	48.79	35.11	3.56	27.75	44.99	54	-9.01	AV
	H	2500	59.01	35.10	3.57	27.80	55.28	74	-18.72	PK
	H	2500	48.77	35.10	3.57	27.80	45.04	54	-8.96	AV
	V	2483.50	57.79	35.11	3.56	27.75	53.99	74	-20.01	PK
	V	2483.50	50.07	35.11	3.56	27.75	46.27	54	-7.73	AV
	V	2500	58.08	35.10	3.57	27.80	54.35	74	-19.65	PK
	V	2500	49.34	35.10	3.57	27.80	45.61	54	-8.39	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit										

4. -20 dB Bandwidth Measurement

4.1.Limit

Test Requirement: FCC CFR47 Part 15 Section 15.215
 Test Method: ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024
 47 CFR Part 15.249
 Test Result: PASS

4.2.Test Setup

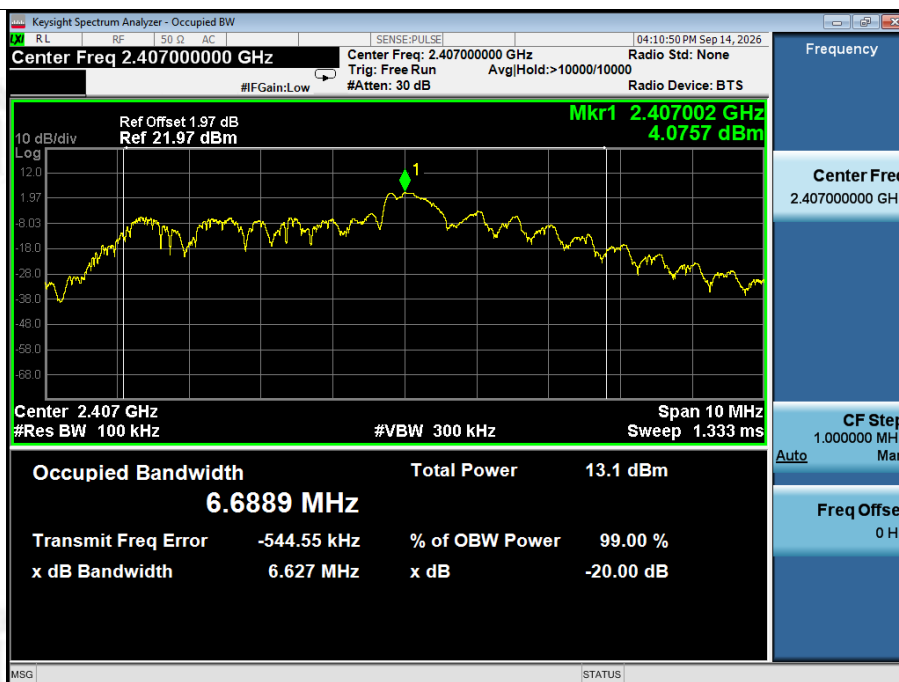


4.3.Test Procedure

1. Set the spectrum analyzer: RBW = 1%-5% OBW
2. Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by -20 dB relative to the maximum level measured in the fundamental emission

4.4.Test Result

Mode	Frequency (MHz)	-20 dB Bandwidth (MHz)	99% OBW (MHz)
GFSK	2407	6.627	6.6889
GFSK	2440	5.012	4.9353
GFSK	2472	2.263	2.2426



-20dB Bandwidth-GFSK 2407MHz



-20dB Bandwidth-GFSK 2440MHz



-20dB Bandwidth-GFSK 2472MHz



5. Antenna Requirement

According to the FCC Part 15 Paragraph 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. This product has an integrated antenna fulfill the requirement of this section.

This product has an Built-in antenna, and the maximum antenna gain is 0 dBi, fulfill the requirement of this section.



6. TEST SETUP & EUT PHOTOGRAPH

Please see the attachment for details.

----- End of Report -----