



FCC TEST REPORT

FCC ID: 2BYCQ-MT-S1

On Behalf of

SHANTOU ZEGAN TECHNOLOGY CO., LIMITED

Mini Drone Remote Control

Model No.: MT-S1

Prepared for : SHANTOU ZEGAN TECHNOLOGY CO., LIMITED
Address : Qianxi Section, Liannan Industrial Zone, Lianxia Town, Chenghai,
Shantou, Guangdong, China

Prepared By : Shenzhen PSI Testing Co., Ltd.
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Report Number : psi2609022-C01-R01
Date of Receipt : September 3, 2026
Date of Test : September 3, 2026–September 18, 2026
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TEST REPORT DECLARATION

Applicant : SHANTOU ZEGAN TECHNOLOGY CO., LIMITED

Address : Qianxi Section, Liannan Industrial Zone, Lianxia Town, Chenghai, Shantou, Guangdong, China

Manufacturer : SHANTOU ZEGAN TECHNOLOGY CO., LIMITED

Address : Qianxi Section, Liannan Industrial Zone, Lianxia Town, Chenghai, Shantou, Guangdong, China

EUT Description : Mini Drone Remote Control

(A) Model No. : MT-S1

(B) Trademark : ZEGAN

Measurement Standard Used:

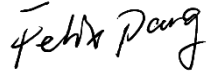
FCC Rules and Regulations Part 15 Subpart C Section 15.249

Test Result: PASS

The device described above is tested by Shenzhen PSI Testing Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C limits both conducted and radiated emissions. The test results are contained in this test report and Shenzhen PSI Testing Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

After the test, our opinion is that EUT compliance with the requirement of the above standards.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen PSI Testing Co., Ltd.

Tested by (name + signature).....: Felix Pang
Test Engineer 

Approved by (name + signature).....: Simple Guan
Project Manager 

Date of issue.....: September 18, 2026

Revision History

Revision	Issue Date	Revisions	Revised By
V0	September 18, 2026	Initial released Issue	Felix Pang



1. SUMMARY OF STANDARDS AND RESULTS

1.1. Description of Standards and Results

EMISSION		
Description of Test Item	Standard Paragraph	Results
Power Line Conducted Emission Test	FCC Part 15: Section 15.207	P
Spurious Emission Test	FCC Part 15: Section 15.249&15.209	P
Occupied bandwidth	FCC Part 15: Section 15. 249	P
Band edge Requirement	FCC Part 15: Section 15.249&15.209	P
Antenna Requirement	FCC Part 15: Section 15.203	P
Note: 1. P is an abbreviation for Pass.		
2. F is an abbreviation for Fail.		
3. N/A is an abbreviation for Not Applicable.		
4. Conclusion determination rules of this report: Unless there are clear provisions on measurement uncertainty in the standard or customer requirements, decision by actual test data without considering measurement uncertainty.		
5. The EUT has been tested as an independent unit. And continual transmitting in maximum power.		

2. General Information

2.1. Description of Device (EUT)

EUT Name : Mini Drone Remote Control
Model No. : MT-S1
Diff : N/A
Power supply : DC 1.5V*3AAA from battery

Radio Technology : 2.4G SRD

Operation frequency : 2405-2475MHz

Channel No. : 70 channels

Channel Separation : 1MHz

Modulation : GFSK

Antenna Type : Internal antenna, Maximum Gain is -2dBi.

PMN : N/A

HVIN : N/A

Software version/FVIN : N/A

Hardware version : N/A

Note : Antenna information is provided by applicant.
Testing lab is not responsible for the accuracy of the information.

2.2. Accessories of Device (EUT)

Accessories 1 : N/A
Manufacturer : N/A
Model : N/A
Rating : N/A

2.3. Tested Supporting System Details

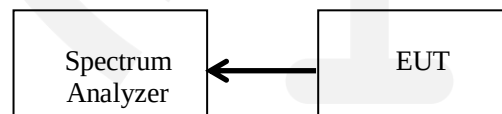
No.	Description	Manufacturer	Model	Serial Number
1	N/A	N/A	N/A	N/A
2	N/A	N/A	N/A	N/A

2.4. Block Diagram of Connection Between EUT and Simulators

Spurious Emission



RF



2.5. Test Mode Description

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

Mode	Channel	Frequency(MHz)
GFSK	CH0	2405
	CH40	2445
	CH70	2475

Note: According exploratory test, EUT will have maximum output power in those data rate. So those data rate were used for all test.

Channel list:					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
CH0	2405	CH28	2433	CH56	2461
CH1	2406	CH29	2434	CH57	2462
CH2	2407	CH30	2435	CH58	2463
CH3	2408	CH31	2436	CH59	2464
CH4	2409	CH32	2437	CH60	2465
CH5	2410	CH33	2438	CH61	2466
CH6	2411	CH34	2439	CH62	2467
CH7	2412	CH35	2440	CH63	2468
CH8	2413	CH36	2441	CH64	2469
CH9	2414	CH37	2442	CH65	2470
CH10	2415	CH38	2443	CH66	2471
CH11	2416	CH39	2444	CH67	2472
CH12	2417	CH40	2445	CH68	2473
CH13	2418	CH41	2446	CH69	2474
CH14	2419	CH42	2447	CH70	2475
CH15	2420	CH43	2448	--	--
CH16	2421	CH44	2449	--	--
CH17	2422	CH45	2450	--	--
CH18	2423	CH46	2451	--	--
CH19	2424	CH47	2452	--	--
CH20	2425	CH48	2453	--	--
CH21	2426	CH49	2454	--	--
CH22	2427	CH50	2455	--	--
CH23	2428	CH51	2456	--	--
CH24	2429	CH52	2457	--	--
CH25	2430	CH53	2458	--	--
CH26	2431	CH54	2459	--	--
CH27	2432	CH55	2460	--	--

2.6. Software test version and power setting information

Software testing version	Button-based fixed frequency		
Mode	The client 's preset testing software is used to control the operation of EUT in continuous transmission mode and select the testing channel, wireless mode:		
Power level setup by client			
Mode	Channel	Frequency (MHz)	Soft Set
GFSK Tx Mode	CH0	2405	TX level is set as defaults value.
	CH40	2445	TX level is set as defaults value.
	CH70	2475	TX level is set as defaults value.

2.7. Test Conditions

Items	Required	Actual
Temperature range:	15-35℃	26℃
Humidity range:	25-75%	54%
Pressure range:	86-106kPa	101kPa

2.8. Test Facility

Shenzhen PSI Testing Co., Ltd.

1-2/F., Building 5, Yudafu Industrial Park, No.10, Xingye West Road, Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

September 13, 2023 File on Federal Communication Commission

Registration Number: 916281

Designation Number: CN1362

September 21, 2023 Certificated by IC

Registration Number: 31123

CAB identifier: CN0158

2.9. Measurement Uncertainty

(95% confidence levels, k=2)

Item	Uncertainty
Power Line Conducted Emissions Test	2.13dB
Radiation Emission test in 3m chamber(Below 30MHz)	4.07dB
Radiation Emission test in 3m chamber(30MHz to 1GHz)	4.51dB
Radiation Emission test in 3m chamber(1GHz to 18GHz)	5.07dB
Radiation Emission test in 3m chamber(18GHz to 40GHz)	5.21dB
Radio Frequency	48.24KHz
Conducted RF Power	0.41dB
Power Spectral Density	0.39 dB
Occupied-Bandwidth	968Hz
Duty Cycle	1%
Conducted-Spurious Emission	1.26dB

2.10. Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Firmware Version	Last Cal.	Cal. Interval
1.	9*6*6 anechoic chamber	SKET	9*6*6	N/A	/	2025.12.18	3 Year
2.	Test Receiver	Rohde&Schwarz	ESCI 7	101032/003	4.42 SP3	2025.12.18	1 Year
3.	L.I.S.N.#1	Rohde&Schwarz	ENV 216	102282	/	2025.12.18	1 Year
4.	L.I.S.N.#2	EMCO	3810-2	00094944	/	2025.12.18	1 Year
5.	Loop Antenna	Schwarz beck	FMZB 1519B	00128	/	2025.01.02	2 Year
6.	Bilog Antenna	Schwarz beck	VULB 9168	01448	/	2025.01.02	2 Year
7.	Spectrum Analyzer	Rohde&Schwarz	FSV40-N	101648	3.70	2025.12.18	1 Year
8.	Horn Antenna	Schwarz beck	BBHA 9120 D	02706	/	2025.01.02	2 Year
9.	Amplifier	SKET	LNPA_0118 G-50	SK20220329 01	/	2025.12.18	1 Year
10.	Horn Antenna	Schwarz beck	BBHA 9170	00946	/	2024.12.31	2 Year
11.	Amplifier	SKET	LNPA_1840 G-50	SK20190403 02	/	2025.12.18	1 Year
12.	RF Power Probe	Rohde&Schwarz	NRP-Z11	1138.3004.0 2-1111533-F z	/	2025.12.18	1 Year
13.	RF Sensor Unit	Tachoy	TR1029-2	20220428P0 08	/	2025.12.18	1 Year
14.	Spectrum Analyzer	Agilent	N9020A	MY51281067	A.14.03	2025.12.18	1 Year
15.	Temp. & Humid Chamber	Auchno	9606	/	/	2025.12.18	1 Year
16.	Regulated DC Power Supply	Xinouhua	ADC120V10 A	2022112516 38	/	2025.12.18	1 Year
17.	Cable	SKET	Cable-RE-1	#02/#03	/	2025.12.18	1 Year
18.	Cable	SKET	Cable-RE-2	#01	/	2025.12.18	1 Year
19.	Cable	SKET	Cable-RE-3	#04	/	2025.12.18	1 Year
20.	Cable	SKET	Cable-CE-1	A-E-24	/	2025.12.18	1 Year
21.	6dB Attenuator	Schwarzbeck	DGA 9552N 6dB	CK4186	/	2025.12.18	1 Year
22.	Power meter	Agilent	E4419B	GB40202121	/	2025.12.18	1 Year
23.	Comprehensive Test Instrument	Rohde&Schwarz	CMW 500	145266	/	2025.12.18	1 Year
For Test Software Information							
Item	Software Name	Manufacturer			Version		
RE	EZ EMC	Farad			PSI-3A1		
CE	EZ EMC	Farad			PSI-3A1		
RF	RTS	TACHOY			V1.0.0		

3. Radiated Emission and Band Edge

3.1. Radiated Emission Limits

FCC Part 15.209

Frequency MHz	Distance (Meters)	Field Strengths Limits	
		uV/m	dB uV/m
0.009 ~ 0.490	300	2400/F(kHz)	---
0.490 ~ 1.705	30	24000/F(kHz)	----
1.705 ~ 30	30	30	29.5
30 ~ 88	3	100(3nW)	40
88 ~ 216	3	150(6.8nW)	43.5
216 ~ 960	3	200(12nW)	46
Above 960	3	500(75nW)	54
Carrier frequency	3	50000(avg)	113.97(peak) 93.97(avg)
Notes: 1. Emission level = Read level + Antenna Factor - Preamp Factor + Cable Loss 2. The smaller limit shall apply at the cross point between two frequency bands. 3. Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system. 4. For frequencies above 1000 MHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.			

Radiated Spurious Emission

Test Standard	RSS-Gen 8.9				
Test Limit	Frequency (MHz)	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz~0.490MHz	6.37/F (F in kHz)	-	-	300
	0.490MHz~1.705MHz	63.7/F (F in kHz)	-	-	30
	1.705MHz~30MHz	0.08	-	-	30
	30MHz~88MHz	100	40.0	Quasi-peak	3
	88MHz~216MHz	150	43.5	Quasi-peak	3
	216MHz~960MHz	200	46.0	Quasi-peak	3
	Above 960MHz	500	54.0	Average	3
		-	74.0	Peak	3

Remark:

- (1) The lower limit shall apply at the transition frequency.
 (2) 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.

Transmitters with wanted and unwanted emissions that are within the general field strength limits

Test Standard	RSS-210 Annex B.10, Table B2		
Test Limit	Frequency bands (MHz)	Field Strength (mV/m)	Measurement distance (m)

		Fundamental emissions	Harmonics emissions	
	902-928	50	0.5	3
	2400-2483.5	50	0.5	3
	5725-5875	50	0.5	3
	24000-24250	250	2.5	3

Remark:

- (1) The field strength shall be measured using an average detector, except for the fundamental emission in the frequency band 902-928 MHz, which is based on measurements using an International Special Committee on Radio Interference (CISPR) quasi-peak detector.
- (2) Emissions radiated outside of the specified frequency bands, except for harmonic emissions, shall be attenuated by at least 50 dB below the level of the fundamental emissions or to the general field strength limits listed in RSS-Gen, whichever is less stringent.

Spectrum Parameter	Setting
Detector	Peak
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1MHz/3MHz

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~90kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	90kHz~110kHz / RB 200Hz for QP
Start ~ Stop Frequency	110kHz~490kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	490kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

3.2. Test Procedure

- The measuring distance of 3m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation(Below 1GHz)
- The measuring distance of 3m shall used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation(Above 1GHz)
- The height of the test antenna shall vary between 1m to 4m.Both horizontal and vertical polarization of the antenna are set to make the measurement.
- The initial step in collecting radiated emission data is a receive peak detector mode. Pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- All readings are peak unless otherwise stated QP in column of Note. Peak denoted that the Peak reading compliance with the QP limits and then QP Mode measurement didn't perform (Below 1GHz)
- All readings are Peak mode value unless otherwise stated AVG in column of Note. If the Peak mode measured value compliance with the Peak limits and lower than AVG Limits, the EUT shall be deemed to

meet Peak & AVG limits and then only Peak mode was measured, but AVG mode didn't perform. (Above 1GHz)

- g. For the actual test configuration, please refer to the related Item –EUT Test Photos.

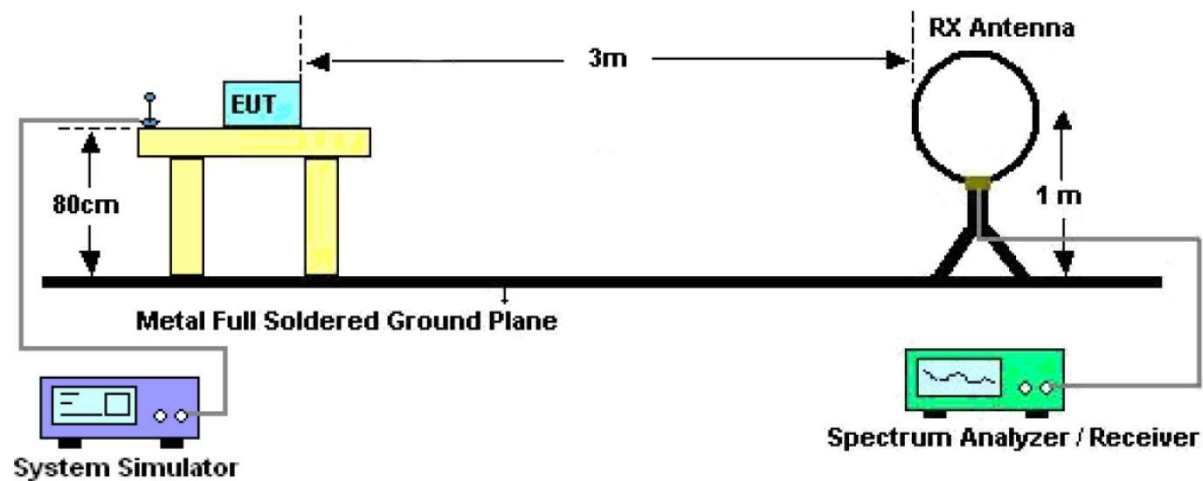
Note: Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

3.3. Deviation From Test Standard

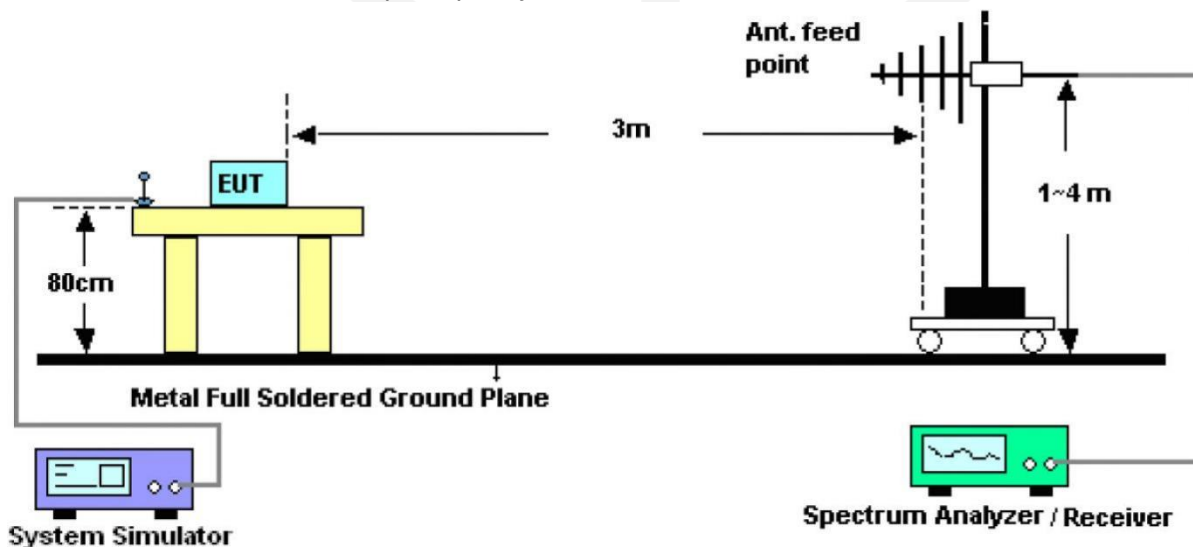
No deviation

3.4. Test Setup

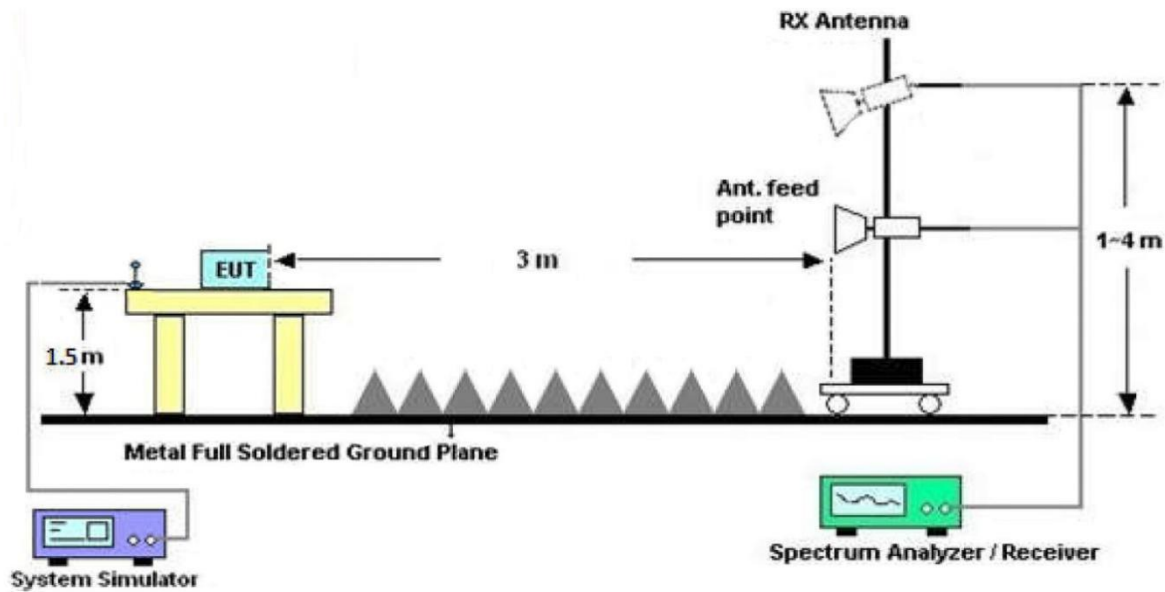
(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz



3.5. Eut Operating Conditions

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

3.6. Test Results

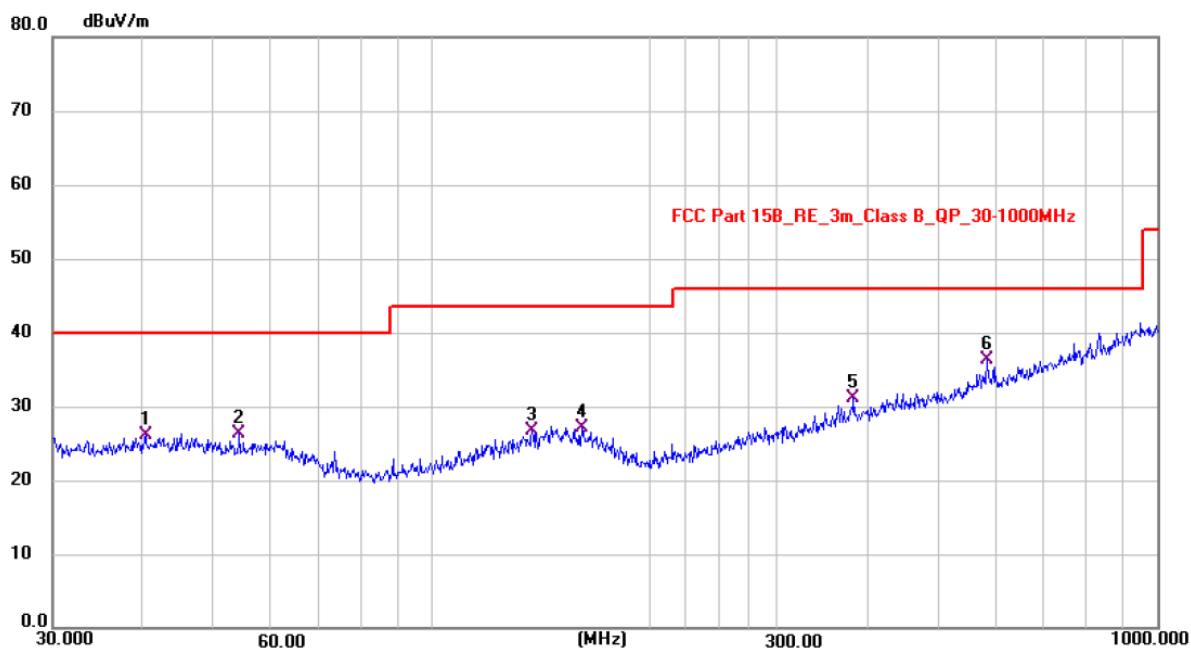
For the actual test, please refer to the ANSI C63.10, refer to section 7 for more detail

We have scanned from 9kHz to the 10th harmonic of the EUT's highest frequency.

Detailed information please see the following page.

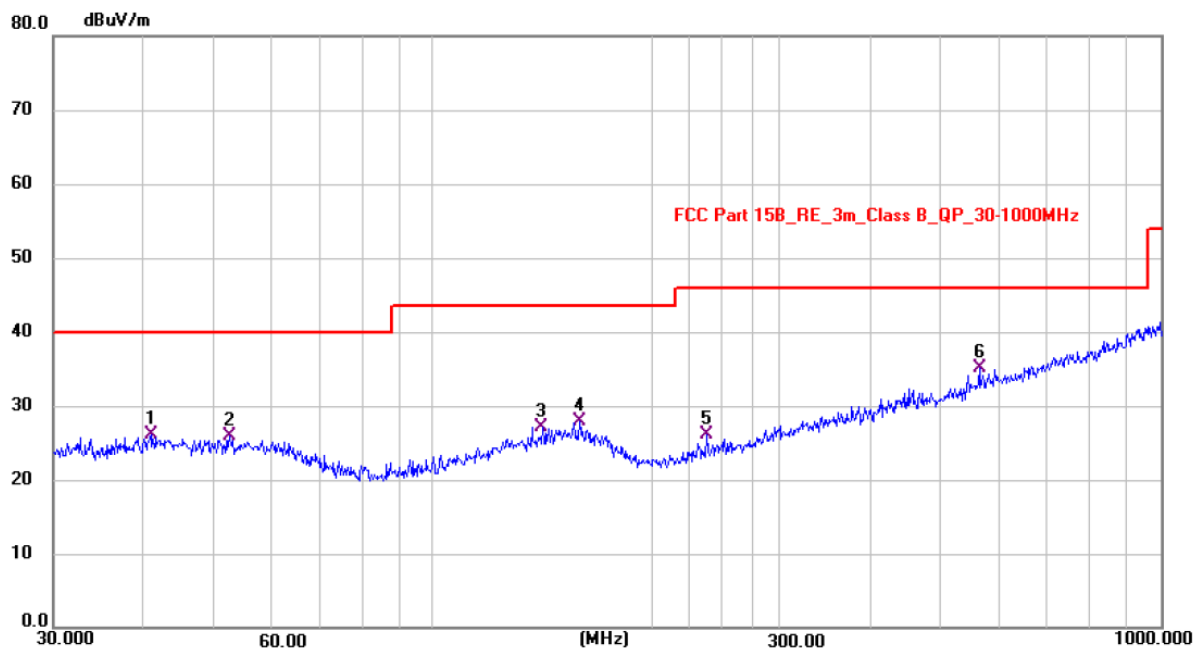
From 9KHz to 30MHz:	
Test Date : 2026.09.15	Temperature : 26°C
Test Engineer : Felix Pang	Humidity : 54%
Test Mode : GFSK mode	
Test Results : PASS	
Note:	The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

From 30MHz to 1000MHz:	
Test Date : 2026.09.15	Temperature : 26°C
Test Engineer : Felix Pang	Humidity : 54%
Test Mode : GFSK mode	
Test Results : PASS	
Note:	1. The test results are listed in next pages. 2. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector and quasi-peak detector need not be carried out. 3. All modes have been tested, and only worst data of GFSK 2405MHz mode was listed in this report.

Polarization: Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	40.2934	11.83	14.26	26.09	40.00	-13.91	QP
2	54.3800	12.72	13.53	26.25	40.00	-13.75	QP
3	137.4805	12.49	14.30	26.79	43.50	-16.71	QP
4	160.9795	12.05	15.09	27.14	43.50	-16.36	QP
5	382.2526	13.81	17.21	31.02	46.00	-14.98	QP
6 *	584.2771	14.58	21.75	36.33	46.00	-9.67	QP

Note: Level = Reading + Factor Margin = Level - Limit

Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	40.9342	11.88	14.21	26.09	40.00	-13.91	QP
2	52.5292	12.21	13.62	25.83	40.00	-14.17	QP
3	141.6397	12.56	14.59	27.15	43.50	-16.35	QP
4	158.8765	12.70	15.18	27.88	43.50	-15.62	QP
5	238.2057	13.02	13.17	26.19	46.00	-19.81	QP
6 *	562.9091	13.85	21.30	35.15	46.00	-10.85	QP

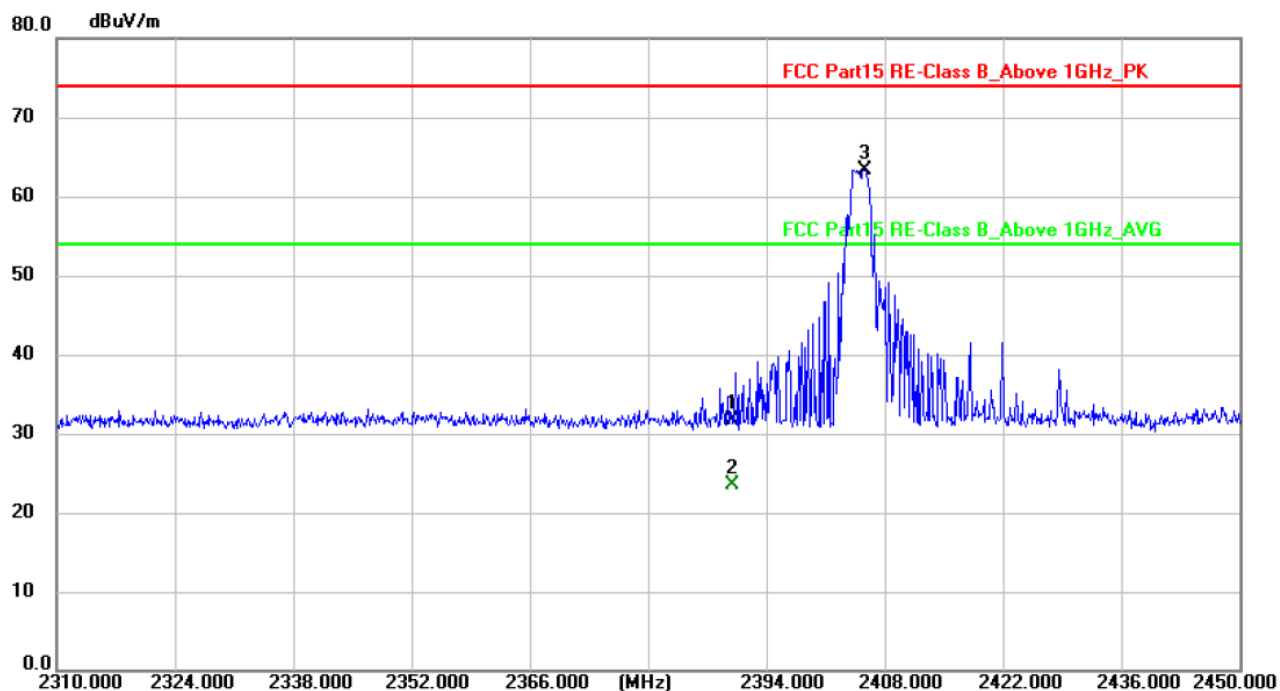
Note: Level = Reading + Factor Margin = Level - Limit

From 1GHz to 25GHz:	
Test Date : 2026.09.15	Temperature : 26°C
Test Engineer : Felix Pang	Humidity : 54%
Test Mode : GFSK mode	
Test Results : PASS	
Note:	1. The test results are listed in next pages. 2. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector and quasi-peak detector need not be carried out. 3. If the limits for the measurement with the average detector are met when using a receiver with a quasi-peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.

Test Mode : GFSK TX 2405MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2405	V	87.88	-26.04	61.84	113.97	-52.13	Peak
2	2405	V	74.85	-26.04	48.81	93.97	-45.16	Avg
3	4810	V	53.52	-18.03	35.49	74.00	-38.51	Peak
4	4810	V	--	--	--	54.00	--	Avg
5	2405	H	87.98	-26.04	61.94	113.97	-52.03	Peak
6	2405	H	75.13	-26.04	49.09	93.97	-44.88	Avg
7	4810	H	55.40	-18.03	37.37	74.00	-36.63	Peak
8	4810	H	--	--	--	54.00	--	Avg
Test Mode : GFSK TX 2440MHz								
1	2440	V	87.34	-25.77	61.57	113.97	-52.40	Peak
2	2440	V	73.74	-25.77	47.97	93.97	-46.00	Avg
3	4880	V	53.22	-18.02	35.20	74.00	-38.80	Peak
4	4880	V	--	--	--	54.00	--	Avg
5	2440	H	87.75	-25.77	61.98	113.97	-51.99	Peak
6	2440	H	77.06	-25.77	51.29	93.97	-42.68	Avg
7	4880	H	53.07	-18.02	35.05	74.00	-38.95	Peak
8	4880	H	--	--	--	54.00	--	Avg
Test Mode : GFSK TX 2475MHz								
1	2475	V	87.30	-20.24	67.06	113.97	-46.91	Peak
2	2475	V	74.37	-20.24	54.13	93.97	-39.84	Avg
3	4950	V	52.24	-17.92	34.32	74.00	-39.68	Peak
4	4950	V	--	--	--	54.00	--	Avg
5	2475	H	87.43	-20.24	67.19	113.97	-46.78	Peak
6	2475	H	74.91	-20.24	54.67	93.97	-39.30	Avg
7	4950	H	55.70	-17.92	37.78	74.00	-36.22	Peak
8	4950	H	--	--	--	54.00	--	Avg
Note:	1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor. Margin= Result-Limit.							

Band Edge Test Results:

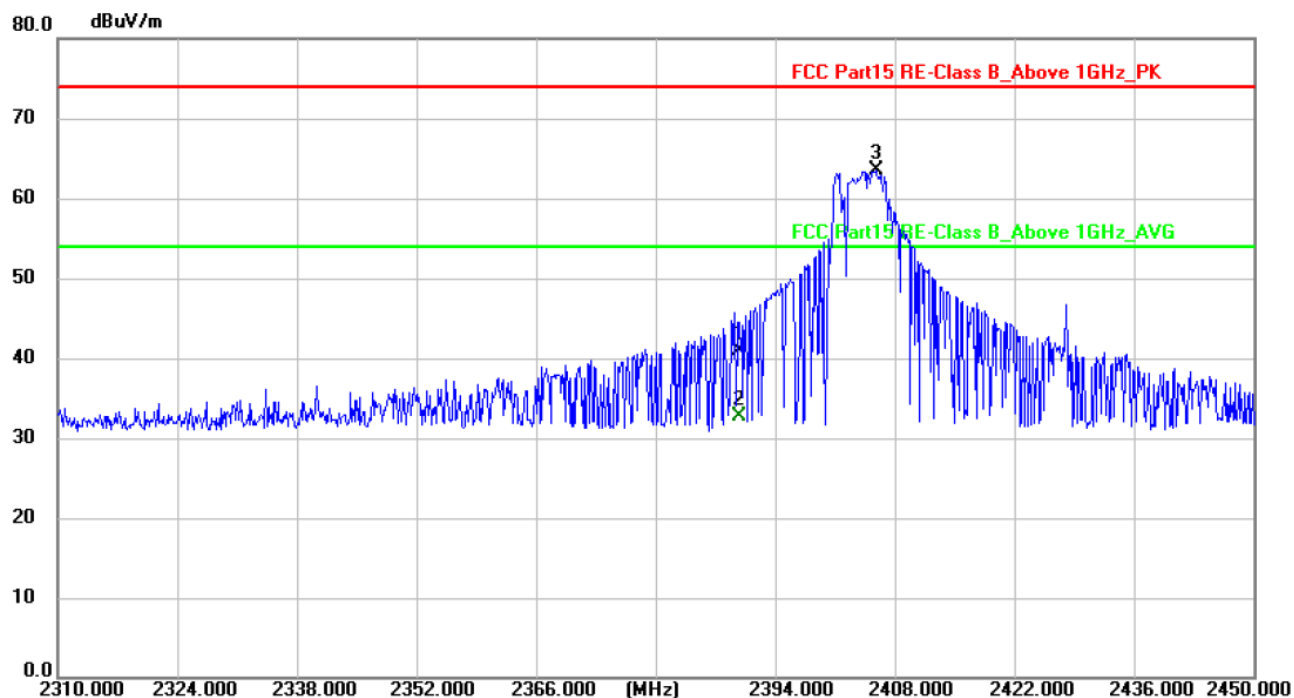
Test Mode : GFSK TX 2405MHz

Polarization: Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	55.51	-23.89	31.62	74.00	-42.38	peak
2	2390.000	47.47	-23.89	23.58	54.00	-30.42	AVG
3 *	2405.673	87.22	-23.83	63.39	74.00	-10.61	peak

$$\text{Level} = \text{Reading} + \text{Factor} \quad \text{Margin} = \text{Level} - \text{Limit}$$

Polarization: Horizontal

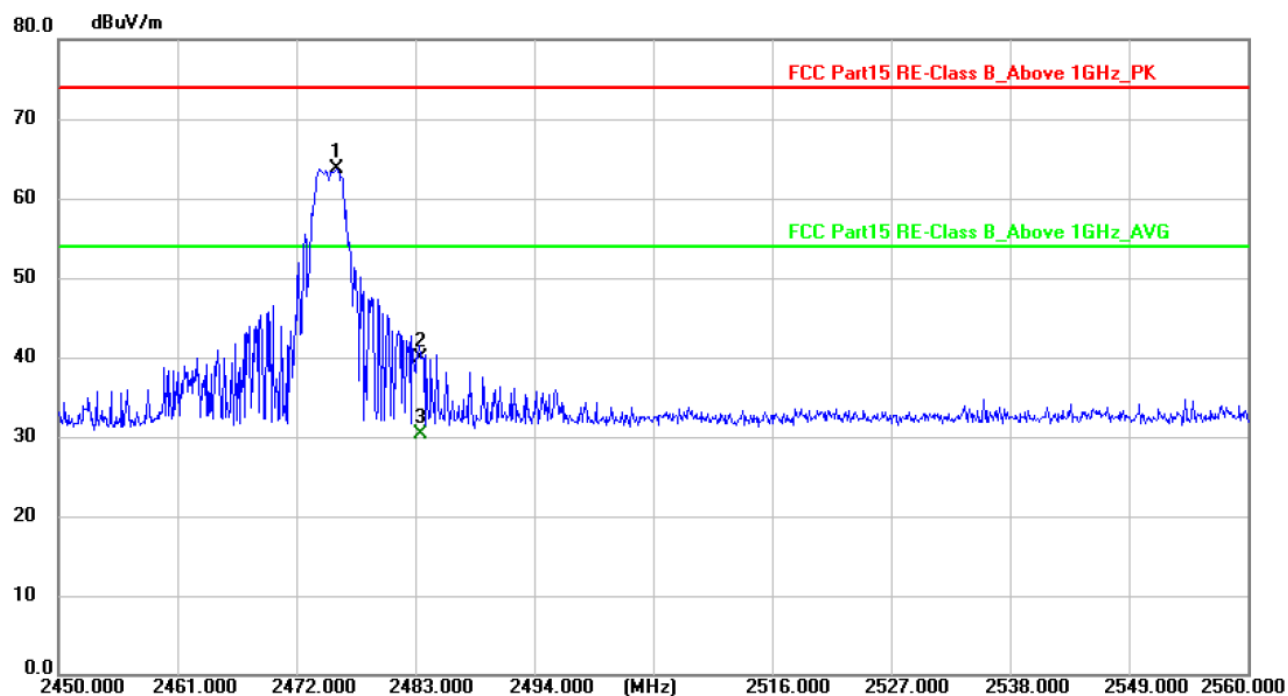


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	64.87	-23.89	40.98	74.00	-33.02	peak
2	2390.000	56.65	-23.89	32.76	54.00	-21.24	AVG
3 *	2405.795	87.38	-23.83	63.55	74.00	-10.45	peak

Level = Reading + Factor Margin = Level - Limit

Test Mode : GFSK TX 2475MHz

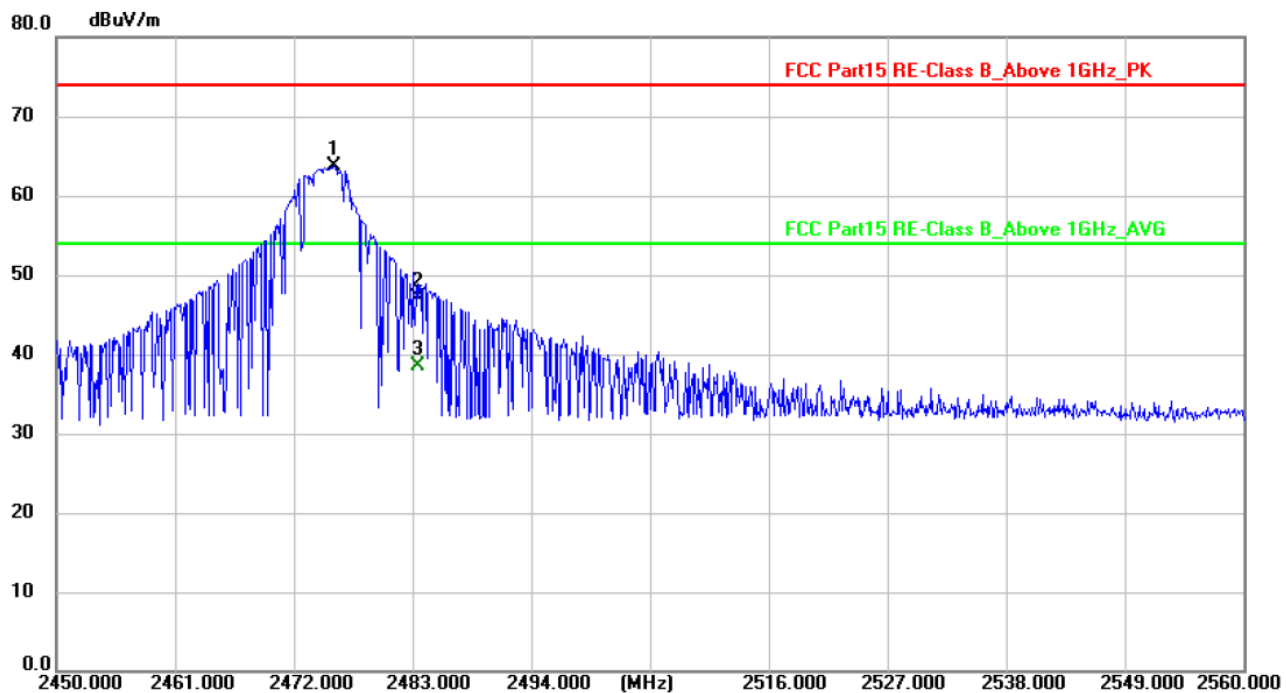
Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	2475.754	87.24	-23.61	63.63	74.00	-10.37	peak
2	2483.500	63.50	-23.58	39.92	74.00	-34.08	peak
3	2483.500	53.86	-23.58	30.28	54.00	-23.72	AVG

Level = Reading + Factor Margin = Level - Limit

Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	2475.740	87.35	-23.61	63.74	74.00	-10.26	peak
2	2483.500	70.72	-23.58	47.14	74.00	-26.86	peak
3	2483.500	62.11	-23.58	38.53	54.00	-15.47	AVG

Level = Reading + Factor Margin = Level - Limit

4. Power Line Conducted Emission

4.1. Test Limits

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.

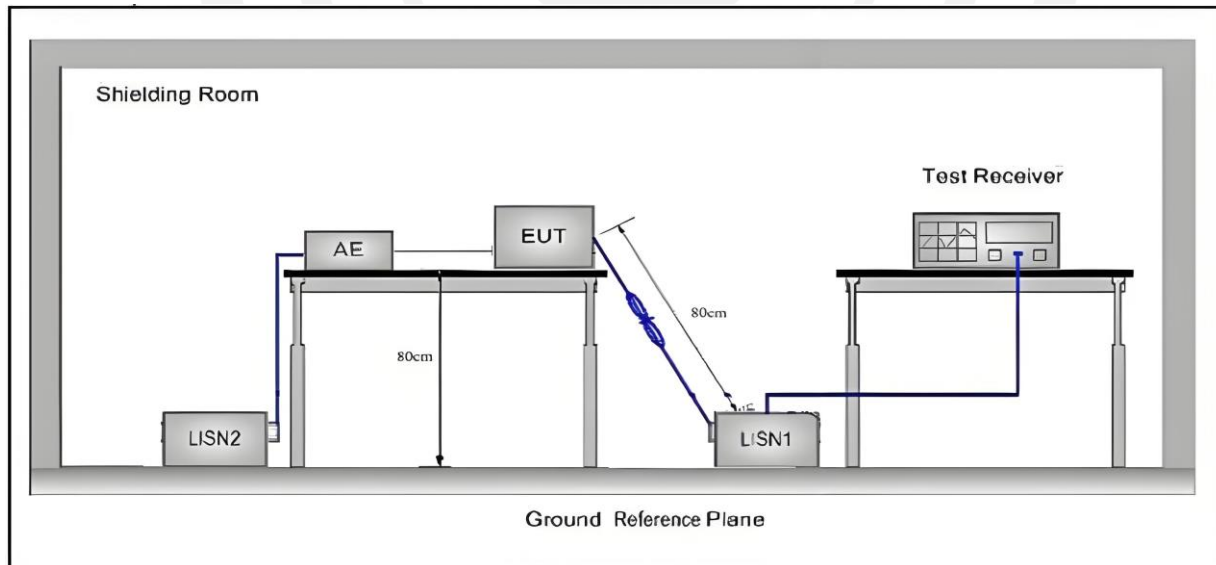
3. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.2. Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10-2020+Cor.1-2023 on Conducted Emission Measurement.

The bandwidth of test receiver is set at 9 kHz.

4.3. Test Setup



4.4. Test Results

Test Date : N/A	Temperature : N/A
Test Engineer : N/A	Humidity : N/A
Test Mode : N/A	
Test Voltage : N/A	
Test Results : N/A	
Note:	Not applicable for equipment operated with battery or DC power supply.



5. Bandwidth Test

5.1. Test Standard and Limit

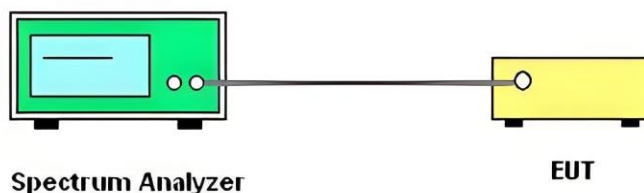
Test Standard	FCC 15.249
Test Limit	N/A

5.2. Test Procedure

Using the following spectrum analyzer settings:

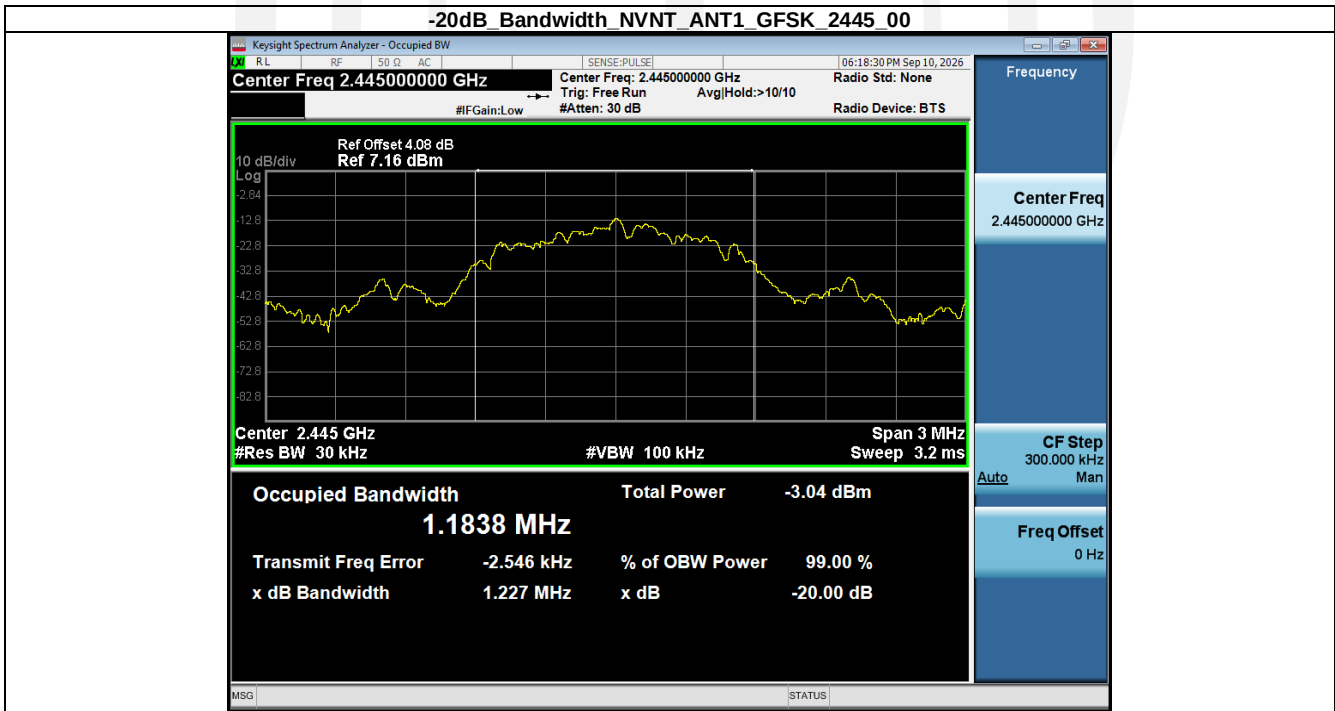
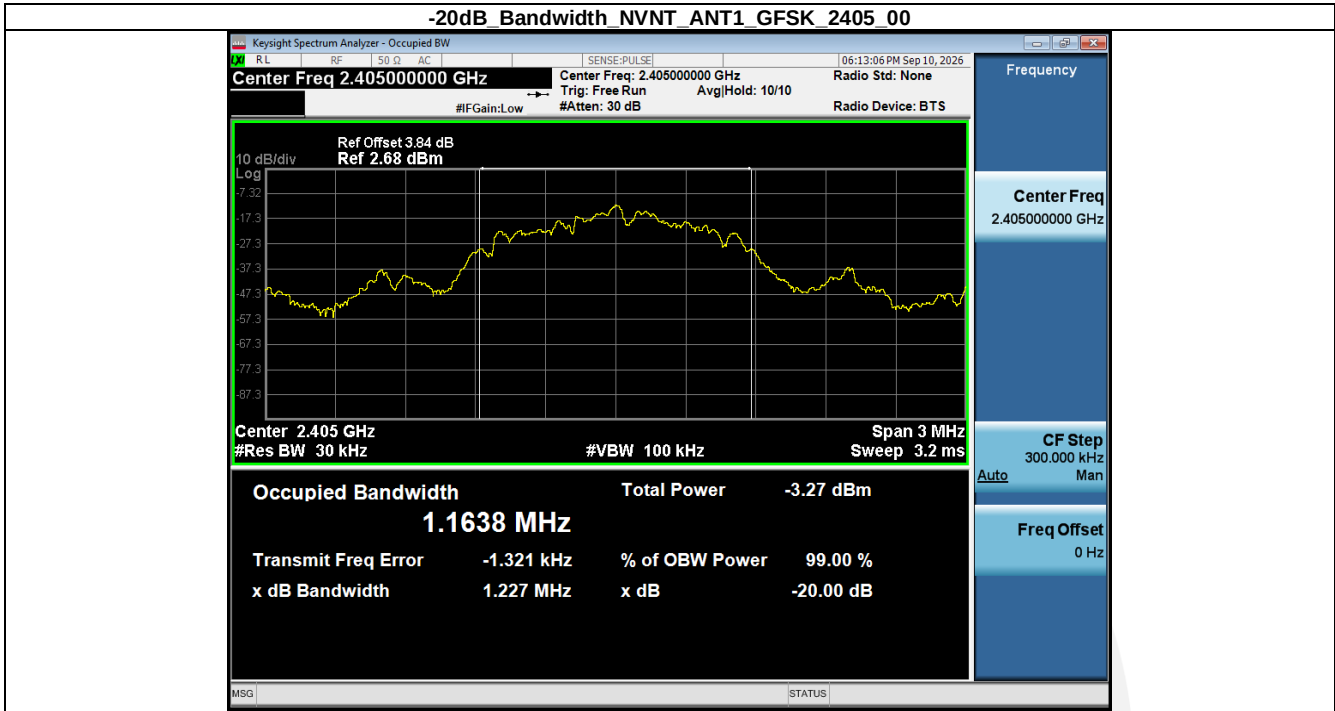
1. Span= approximately 2 to 3 times the 20dB bandwidth, centered on a hopping channel.
2. Set the RBW $\geq 1\%$ of the 20 dB bandwidth.
3. Set the VBW $\geq$ RBW
4. Sweep time = auto couple.
5. Detector function = peak.
6. Trace mode = max hold.
7. Allow trace to fully stabilize.
8. Measure the frequency difference of two frequencies that were attenuated 20dB from the reference level.
Record the frequency difference as the emission bandwidth.
9. Measure the 99% Bandwidth use the function button of "Occupied Bandwidth".

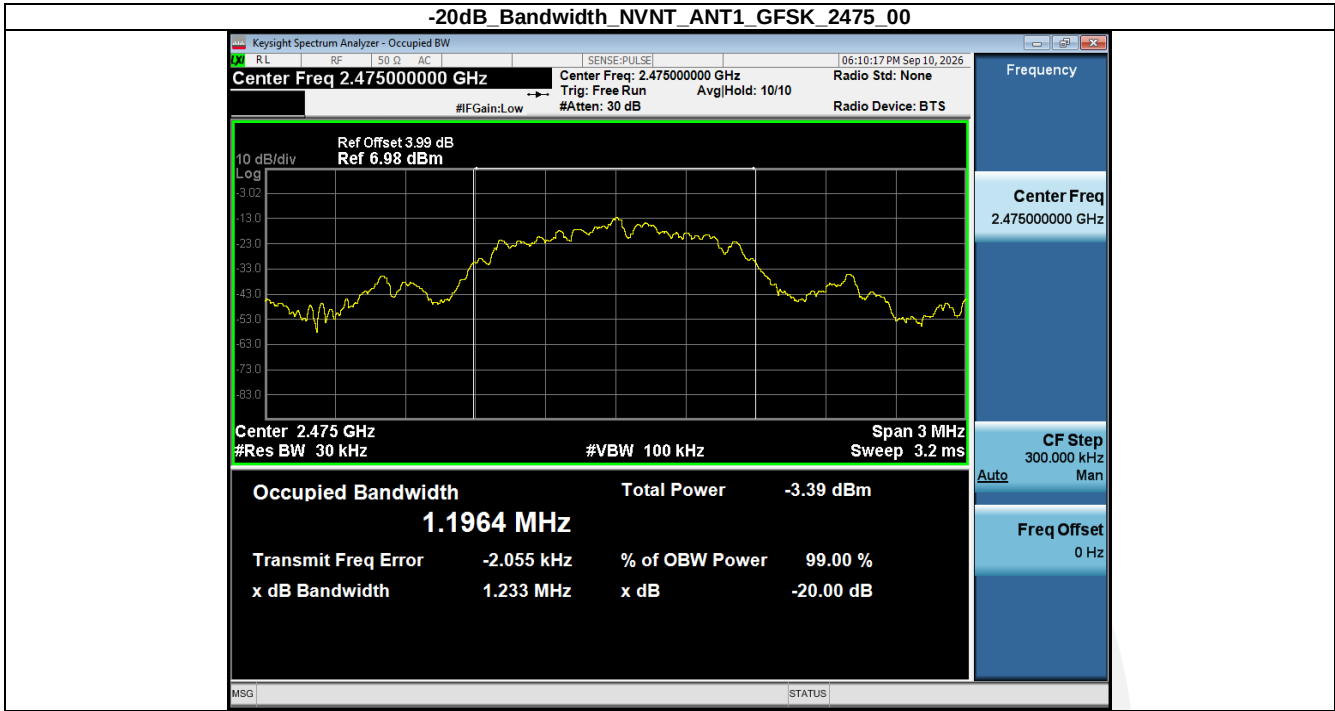
5.3. Test Setup



5.4. Test Results

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	99% BW(MHz)	limit(kHz)
NVNT	ANT1	GFSK	2405.00	1.227	1.1638	/
NVNT	ANT1	GFSK	2445.00	1.227	1.1838	/
NVNT	ANT1	GFSK	2475.00	1.233	1.1964	/





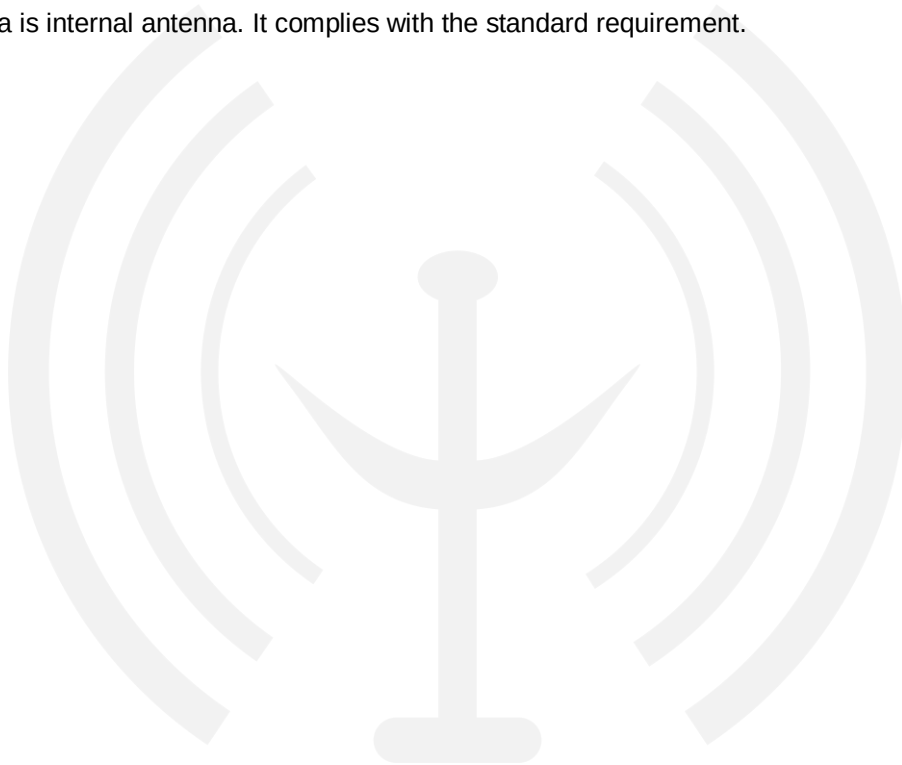
6. Antenna Requirement

6.1. Standard 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. The use of a permanently attached antenna to the intentional radiator shall be considered sufficient to comply with the provisions of this section. This product use a permanent ceramic printed antenna, fulfill the requirement of this section

6.2. EUT Antenna

The EUT antenna is internal antenna. It complies with the standard requirement.



7. Photos of test setup

Reference to the **appendix I Test Setup Photo** for details.

8. Photos of EUT

Reference to the **appendix II external photos** and **appendix III internal photos** for details.

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

