

TEST REPORT

On Behalf of

TT TEKNOLOJİ ÜRÜNLERİ A.Ş

Product Name: Remote Control Plane

Trademark: Corby Drones

Model Number: CX035

Prepared For: TT TEKNOLOJİ ÜRÜNLERİ A.Ş

Address: Maslak Mah, Bilim Sok. Sun Plaza No:5A/61 Kat:23 Sarıyer/İstanbul

Prepared By: Shenzhen Huaxiang Testing Co., Ltd

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Report No.: HUAX250826002WR

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TEST REPORT DECLARATION

Applicant : TT TEKNOLOJİ ÜRÜNLERİ A.Ş
Address : Maslak Mah, Bilim Sok. Sun Plaza No:5A/61 Kat:23 Sarıyer/İstanbul

EUT Description : Remote Control Plane
Model Number : CX035
Test Date : Aug. 25, 2025 - Aug. 29, 2025
Date of Report : Aug. 29, 2025
Test Standards:
ETSI EN 300 328 V2.2.2

The EUT described above is tested by Huaxiang Testing Co., Ltd. EMC Laboratory to determine the maximum emissions from the EUT and ensure the EUT to be compliance with the immunity requirements of the EUT. Huaxiang is assumed full responsibility for the accuracy of the test results. Also, this report shows that the EUT technically complies with the ETSI EN 300 328 V2.2.2 requirements.

The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the Shenzhen Huaxiang Testing Co., Ltd.

Prepared by (Test Engineer): Joan Wang
Joan Wang

Approved (Manager): Amy Jiang
Amy Jiang

1. Summary Of Test Results

Test procedures according to the technical standards:

ETSI EN 300 328 V2.2.2				
Clause	Test Item	Limit	Frequency Range (MHz)	Applicable (Yes/No)
TRANSMITTER PARAMETERS				
4.2.1 4.3.4	Number of hopping channel	>=15	2400-2483.5	Y
	Hopping channel carrier frequency separated	the 20dB bandwidth of the hopping channel		
	Average time of occupancy	<= 0.4 sec		
4.3.1	Effective radiated power	AV: -10 dBW(20 dBm)	2400-2483.5	Y
4.3.2	Peak power density	FHSS N/A	2400-2483.5	Y
		DSSS/OFDM, Other modulation 10 mW/MHz	2400-2483.5	N
4.10.8	Frequency range	FHSS / e.i.r.p. -80dBm/Hz	2400-2483.5	Y
		Other modulation / e.i.r.p. -80dBm/Hz	2400-2483.5	N
4.3.6	Spurious emissions (conducted)	Operating: -36dBm Standby: -57dBm	30-1000	N
		Operating: -30dBm Standby: -47dBm	1000-12750	
		Operating: -47dBm Standby: -47dBm	1800-1900 5150-5300	
4.3.6	Spurious emissions (radiated)	Operating: -36dBm Standby: -57dBm	30-1000	Y
		Operating: -30dBm Standby: -47dBm	1000-12750	
		Operating: -47dBm Standby: -47dBm	1800-1900 5150-5300	
		-47dBm	1000-12750	
RECEIVER PARAMETERS				
4.3.7	Spurious emissions (conducted)	-57dBm	30-1000	N
		-47dBm	1000-12750	
	Spurious emissions (radiated)	-57dBm	30-1000	Y

1.1 Test Facility

Senzhen Huaxiang Testing Co., Ltd..

Add. : Building B2, Junfeng Zhongcheng Intelligent Manufacturing Innovation Park, Heping Community, Fuhai Street, Bao'an District, Shenzhen City, Guangdong Province

1.2 Measurement Uncertainty

Measurement Uncertainty for a Level of Confidence of 95 %, $U=2 \times U_c(y)$

RF frequency	1×10^{-7}
RF power, conducted	± 1.0 dB
Conducted emission of receivers	± 1 dB
Radiated emission of transmitter	± 6 dB
Radiated emission of receiver	± 6 dB
Temperature	± 1 degree
Humidity	± 5 %

2. General Information

2.1 General Description Of EUT

Equipment	Remote Control Plane	
Brand Name	Corby Drones	
Model Name.	CX035	
Model Difference	N/A	
Manufacturer	Shantou Helicute Model Aircraft Industrial Co., Ltd.	
Manufacturer Address	No.8th, East Jiangbei Road, Longtian, Guangyi Street, Chenghai District, Shantou City, Guangdong Province, China	
Product Description	The EUT is Remote Control Plane	
	Operation Frequency:	802.11b/g/n: 2412~2472MHz
	Modulation Type:	DSSS/OFDM/BPSK/QPSK
	Bit Rate of Transmitter	802.11b:11/5.5/2/1 Mbps 802.11g:54/48/36/30/24/18/12Mbps 802.11n:150/120//90/60/54 Mbps
	Number Of Channel	13CH .Please see Note 2.
	Antenna Designation:	Printed ANT
	Antenna Gain(Peak)	0dBi
	EIRP Power:	802.11b: 17.86 dBm (Max.) 802.11g: 14.78 dBm (Max.) 802.11n: 13.92dBm (Max.)
	Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.	
Channel List	Refer to below	
Power Rating	DC 5V, 1A	

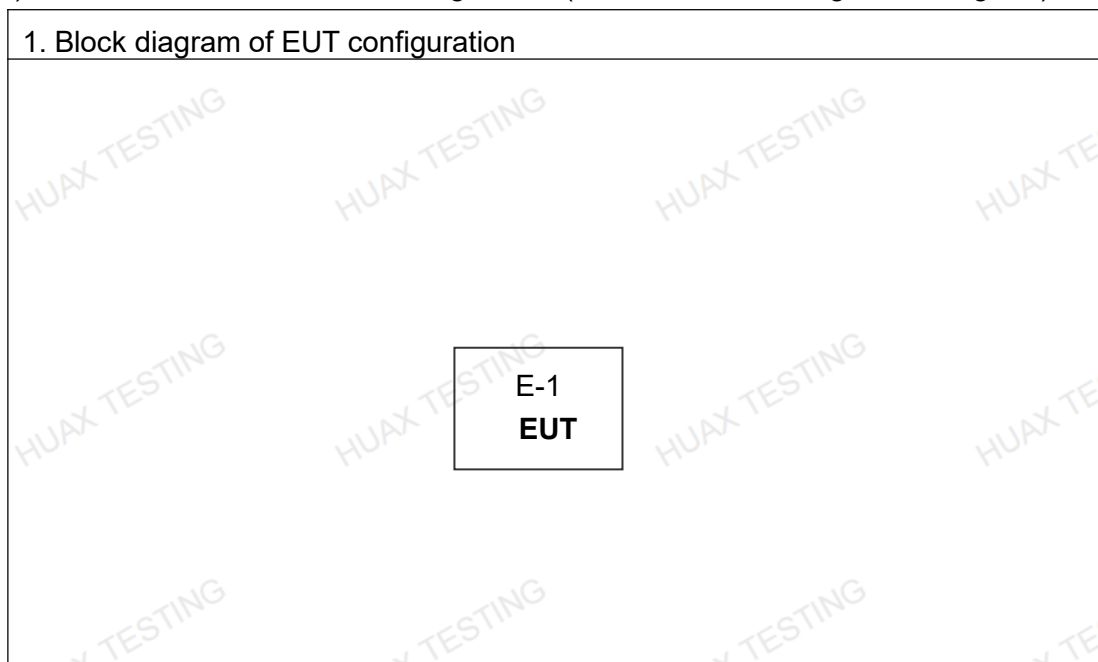
Note:

- For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

Channel List							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	05	2432	09	2452	13	2472
02	2417	06	2437	10	2457		
03	2422	07	2442	11	2462		
04	2427	08	2447	12	2467		

2.2 Description Of Test Conditions

(1) EUT was tested in normal configuration (Please See following Block diagram)



2.2.1 Test Conditions and Channel

	Normal Test Conditions	Extreme Test Conditions
Temperature	15°C - 35°C	0°C ~ 55°C Note: (1)
Relative Humidity	20% - 75%	N/A
Supply Voltage	DC 3.7V 66mA	DC 3.7V 66mA – DC 5VNote: (2)

Test Channel	EUT Channel	Test Frequency (MHz)
lowest	CH00	2402
Headphones dle	CH41	2441
highest	CH78	2480

Note:

(1) For tests at extreme temperatures, measurements shall be made in accordance with the procedures specified in clause 5.3.4.3, at the upper and lower temperatures of the range as follow: temperature: -20°C to +55°C;

Where the manufacture's stated operating range does not include the range of -20°C to +55°C, the equipment shall be tested over the following temperature ranges:

- 0°C to +35°C for equipment intended for indoor use only, or intended for use in areas where the temperature is controlled within this range;
 - over the extremes of the operating temperature range(s) of the stated combination(s) or host equipment(s) in case of plug-in radio devices.
- (2) For the Leclanché or lithium type battery: 0.85 times the nominal voltage of the battery; for the mercury or nickel-cadmium type of battery: 0.9 times the nominal voltage of the battery. In both cases, the upper extreme test voltage shall be 1.15 times the nominal voltage of the battery.
- (3) The measurements are performed at the highest, Headphones dle, lowest available channels.

2.3 Description Of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.	Note
E-1	Remote Control Plane	N/A	CX035	N/A	N/A	EUT

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	YES	1.8m	

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.

2.4 Equipments List For All Test Items

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP_40	100129	Jun. 20, 2026
2	Microwave Pre-amplifier	Agilent	8449B	3008A01714	Jun. 20, 2026
3	Microflex Cable	United Microwave	57793	1m	Jun. 20, 2026
4	Microflex Cable	United Microwave	A30A30-5006	10M	Jun. 20, 2026
5	Horn Antenna	EMCO	3115	9605-4803	Jun. 20, 2026
6	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	Jun. 20, 2026
7	Log-Bicon Antenna	MESS-ELEKTRONIK	VULB 9160	3058	Jun. 20, 2026
8	Test Cable	N/A	10M_OS02	N/A	Jun. 20, 2026
9	Test Cable	N/A	OS02-1/-2/-3	N/A	Jun. 20, 2026
10	Pre-Amplifier	Anritsu	MH648A	M09961	Jun. 20, 2026
11	Temperature & Humidity Chamber	GIANT FORCE	GTH-056P	GF-94454-1	Jun. 20, 2026
12	Signal Generator	R&S	SMT 06	832080/007	Jun. 20, 2026
13	Power Metter	ANRITSU	ML2487A	6K00001568	Jun. 20, 2026
14	Power Sensor (AV)	ANRITSU	ML24966mA	030989	Jun. 20, 2026

Peak power density

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP_40	100129	Jun. 20, 2026
2	Signal Generator	R&S	SMT 06	832080/007	Jun. 20, 2026
3	Power Metter	ANRITSU	ML2487A	6K00001568	Jun. 20, 2026
4	Power Sensor (AV)	ANRITSU	ML24966mA	030989	Jun. 20, 2026

Spurious emissions

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP_40	100129	Jun. 20, 2026
2	Microwave Pre-amplifier	Agilent	8449B	3008A01714	Jun. 20, 2026
3	Microflex Cable	United Microwave	57793	1m	Jun. 20, 2026
4	Microflex Cable	United Microwave	A30A30-5006	10M	Jun. 20, 2026
5	Horn Antenna	EMCO	3115	9605-4803	Jun. 20, 2026
6	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	Jun. 20, 2026
7	Log-Bicon Antenna	MESS-ELEKTRONIK	VULB 9160	3058	Jun. 20, 2026
8	Test Cable	N/A	10M_OS02	N/A	Jun. 20, 2026
9	Test Cable	N/A	OS02-1/-2/-3	N/A	Jun. 20, 2026
10	Pre-Amplifier	Anritsu	MH648A	M09961	Jun. 20, 2026

Frequency range

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP_40	100129	Jun. 20, 2026
2	Temperature & Humidity Chamber	GIANT FORCE	GTH-056P	GF-94454-1	Jun. 20, 2026

3. Effective radiated power

3.1 Applied procedures / limit

Clause	Test Item	Limit
4.3.1	Effective radiated power	AV: -10 dBW (20 dBm)

3.1.1 Measuring Instruments and Setting

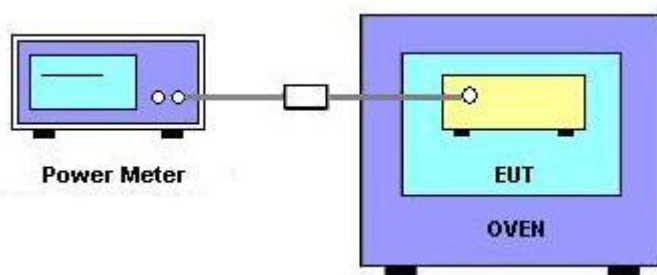
Please refer to section 13.2.1 in this report. The following table is the setting of the power meter.

Power Meter Parameter	Setting
Filter No.	Auto
Measurement time	0.135 s ~ 26 s
Used Average Sensor	ML24966mA

3.1.2 Test Procedures

- Since a temporary antenna connector can be attached on the RF output port, so conducted measurement method was used in this case.
- A wide band power meter with a matched thermocouple detector was used to directly measure the output power from the RF output port of the EUT in continuously transmitting mode.
- The EIRP = $A + G + 10 \cdot \log(1/x)$, where A is the power measured in (1), G is the gain of the antenna of the EUT in dBi and x is the duty cycle of the EUT in continuously transmitting mode.
- The measurement shall be repeated at the lowest, the Headphones dle, and the highest channel of the stated frequency range. These measurements shall also be performed at normal and extreme test conditions.

3.1.3 Test Setup Layout



3.1.4 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

3.1.5 TEST RESULTS

EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	26°C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	DC 5V
Test Mode :	TX CH00 / CH41 / CH78		

TEST CONDITIONS				Average EIRP Power (dBm)		
				CH1	CH7	CH13
T nom (°C)	20.00	V nom (V)	5V 66mA	17.43	17.59	17.35
T min (°C)	0.00	V max (V)	5.5V 66mA	17.44	17.78	17.45
		V min (V)	4.5V 66mA	17.54	17.83	17.68
T max (°C)	55.00	V max (V)	5.5V 66mA	17.33	17.35	17.33
		V min (V)	4.5V 66mA	17.44	17.52	17.39
Max Peak Power				17.89		
Limits				20dBm (-10dBW)		
Result				Complies		

EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	26°C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	DC 5V
Test Mode :	TX 11G Mode CH1 / CH7 / CH13		

TEST CONDITIONS				Average EIRP Power (dBm)		
				CH1	CH7	CH13
T nom (°C)	20.00	V nom (V)	5V 66mA	14.48	14.44	14.34
T min (°C)	0.00	V max (V)	5.5V 66mA	14.27	14.33	14.46
		V min (V)	4.5V 66mA	14.49	14.59	14.42
T max (°C)	55.00	V max (V)	5.5V 66mA	14.67	14.51	14.25
		V min (V)	4.5V 66mA	14.58	14.72	14.46
Max Peak Power				14.77		
Limits				20dBm (-10dBW)		
Result				Complies		

EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	26°C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	DC 5V
Test Mode :	TX 11N Mode CH1 / CH7 / CH13		

TEST CONDITIONS				Average EIRP Power (dBm)		
				CH1	CH7	CH13
T nom (°C)	20.00	V nom (V)	5V 66mA	13.53	13.83	13.63
T min (°C)	0.00	V max (V)	5.5V 66mA	13.46	13.42	13.49
		V min (V)	4.5V 66mA	13.50	13.45	13.40
T max (°C)	55	V max (V)	5.5V 66mA	13.41	13.37	13.49
		V min (V)	4.5V 66mA	13.49	13.50	13.56
Max Peak Power				13.87		
Limits				20dBm (-10dBW)		
Result				Complies		

4. Peak power density

4.1 Applied procedures / limit

Clause	Test Item	Limit
4.3.2	Peak power density	FHSS N/A
		DSSS/OFDM, Other modulation 10 mW/MHz

4.1.1 Measuring Instruments and Setting

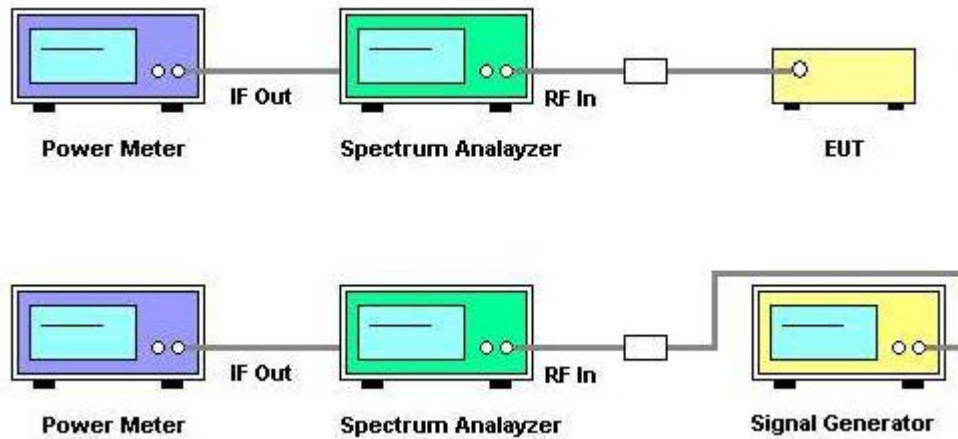
Please refer to section 5.1.1 in this report. The following table is the setting of the power meter.

Power Meter Parameter	Setting
Filter No.	Auto
Measurement time	0.135 s ~ 26 s
Used Average Sensor	ML24966mA

4.1.2 Test Procedures

- Pre-calibration for the spectrum analyzer has to be done first through a CW signal of the measured carrier frequency with 10dBm power strength.
- A power meter is connected on the IF output port of the spectrum analyzer.
- Adjust the spectrum analyzer to have the center frequency the same with the measured carrier. RBW=VBW=1MHz, detector mode is positive peak. Turn off the averaging function and use zero span.
- The calibrating signal power shall be reduced to 0 dBm and it shall be verified that the power meter reading also reduces by 10 dB.
- Connect the equipment to be measured. Using the following settings of the spectrum analyzer in combination with "max hold" function, find the frequency of highest power output in the power envelope: center frequency equal to operating frequency; RBW & VBW: 1 MHz; detector mode: positive peak; averaging: off; span: 3 times the spectrum width; amplitude: adjust for Headphones dle of the instrument's range. The frequency found shall be recorded.
- Set the center frequency of the spectrum analyzer to the found frequency and switch to zero span. The power meter indicates the measured power density (D). The maximum spectral power density e.i.r.p. is calculated from the above measured power density (D), the observed duty cycle factor(x), and the applicable antenna assembly gain "G" in dBi, according to the formula: $PD = D + G + 10 \log (1/x)$.
- The measurement shall be repeated at the lowest, the Headphones dle, and the highest channel of the stated frequency range.

4.1.3 Test Setup Layout



4.1.4 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.1.5 TEST RESULTS

EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	26°C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	N/A
Test Mode :	N/A		

WLAN						
TEST CONDITIONS				EIRP Spectral Power Density (mW/MHz)		
				CH 1	CH 7	CH 13
T nom (°C)	20.00	V nom (V)	5V 66mA	0.64	0.62	0.62
Limits				10 mW/MHz		
Result				Complies		

EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	26°C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	DC 5V
Test Mode :	TX 11G Mode CH1 /CH7/ CH13		

WLAN						
TEST CONDITIONS				EIRP Spectral Power Density (mW/MHz)		
				CH 1	CH 7	CH 13
T nom (°C)	20.00	V nom(V)	5V 66mA	0.56	0.56	0.56
Limits				10 mW/MHz		
Result				Complies		

EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	26°C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	DC 5V
Test Mode :	TX 11N Mode CH1 /CH7/ CH13		

WLAN						
TEST CONDITIONS				EIRP Spectral Power Density (mW/MHz)		
				CH 1	CH 7	CH 13
T nom (°C)	20.00	V nom(V)	5V 66mA	0.53	0.51	0.54
Limits				10 mW/MHz		
Result				Complies		

5. Frequency range

5.1 Applied procedures / limit

Clause	Test Item	Limit
4.10.8	Frequency range	-80dBm/Hz

The frequency range of the equipment is determined by the lowest and highest frequencies occupied by the power envelope. f_H is the highest frequency of the power envelope: it is the frequency furthest above the frequency of maximum power where the output power drops below the level of -80 dBm/Hz e.i.r.p. spectral power density (-30 dBm if measured in a 100 kHz bandwidth). f_L is the lowest frequency of the power envelope; it is the frequency furthest below the frequency of maximum power where the output power drops below the level equivalent to -80 dBm/Hz e.i.r.p. spectral power density (or -30 dBm if measured in a 100 kHz bandwidth). The frequency range is determined by the lowest value of f_L and the highest value of f_H resulting from the adjustment of the equipment to the lowest and highest operating frequencies. For all equipment, the frequency range shall lie within the band 2.4 GHz to 2,4835 GHz ($f_L > 2.4$ GHz and $f_H < 2.4835$ GHz).

5.1.1 Measuring Instruments and Setting

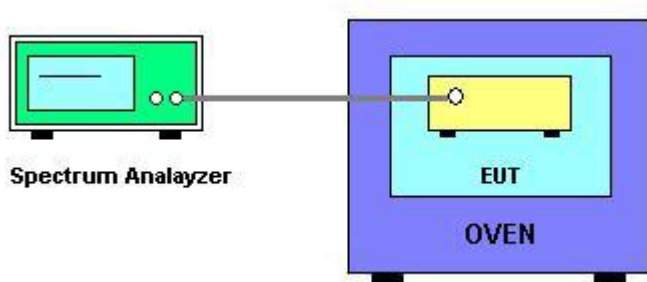
Please refer to section 6.1.1 in this report. The following table is the setting of Spectrum Analyzer.

Spectrum Analyzer	Setting
Attenuation	20~30dB
Span Frequency	40MHz
RB	100 kHz
VB	100 kHz
Detector	Average
Trace	Average 50 sweeps

5.1.2 Test Procedures

- The transmitter output (antenna port) was connected to the spectrum analyzer.
- Added [x] dBi of antenna gain was on the spectrum analyzer.
- Place the spectrum analyzer in detector averaging mode with a minimum of 50 sweeps selected and activate transmitter with modulation applied.
- Select lowest operating frequency of the equipment under test.
- Find lowest frequency below the operating frequency at which spectral power density drops below -80 dBm/Hz e.i.r.p. (-30 dBm if measured in a 100 kHz bandwidth). This frequency shall be recorded (fL).
- Select the highest operating frequency of the equipment under test.
- Find the highest frequency at which the spectral power density drops below -80 dBm/Hz e.i.r.p. (-30 dBm if measured in a 100 kHz bandwidth). This frequency shall be recorded (fH).
- These measurements shall also be performed at normal and extreme test conditions.

5.1.3 Test Setup Layout



5.1.4 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.1.5 TEST RESULTS

EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	26 °C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	DC 5V
Test Mode :	TX 11B Mode CH1 / CH13		

TEST CONDITIONS				Frequency range (MHz)	
				f _L CH1	f _H CH13
T nom (°C)	20.00	V nom (V)	5V 66mA	2402.5138	2482.5487
T min (°C)	0.00	V max (V)	5.5V 66mA	2402.4569	2482.5432
		V min (V)	4.5V 66mA	2402.5528	2482.5288
T max (°C)	55.00	V max (V)	5.5V 66mA	2402.4928	2482.5478
		V min (V)	4.5V 66mA	2402.5339	2482.5721
Min. f _L / Max. f _H Band Edges				2402.4399	2482.4989
EU / Australia / NZ Limits				f _L > 2400.0 MHz	f _H < 2483.5 MHz
Result				Complies	

EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	26 °C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	DC 5V
Test Mode :	TX 11G Mode CH1 / CH13		

TEST CONDITIONS				Frequency range (MHz)	
				f _L CH1	f _H CH13
T nom (°C)	20.00	V nom (V)	5V 66mA	2401.4862	2482.5408
T min (°C)	0.00	V max (V)	5.5V 66mA	2401.5329	2482.5387
		V min (V)	4.5V 66mA	2401.4825	2482.5216
T max (°C)	55.00	V max (V)	5.5V 66mA	2401.4358	2482.6097
		V min (V)	4.5V 66mA	2401.4228	2482.5729
Min. f _L / Max. f _H Band Edges				2401.4238	2482.5997
Other EU / Australia / NZ Limits				f _L > 2400.0 MHz	f _H < 2483.5 MHz
Result				Complies	

EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	26 °C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	DC 5V
Test Mode :	TX 11N Mode CH1 / CH13		

TEST CONDITIONS				Frequency range (MHz)	
				f _L CH1	f _H CH13
T nom (°C)	20.00	V nom (V)	5V 66mA	2401.5501	2482.5791
T min (°C)	0.00	V max (V)	5.5V 66mA	2401.4596	2482.6029
		V min (V)	4.5V 66mA	2401.4779	2482.5264
T max (°C)	55.00	V max (V)	5.5V 66mA	2401.4521	2482.5287
		V min (V)	4.5V 66mA	2401.5225	2482.5317
Min. f _L / Max. f _H Band Edges				2401.4196	2482.6229
Other EU / Australia / NZ Limits				f _L > 2400.0 MHz	f _H < 2483.5 MHz
Result				Complies	

6. Spurious emissions – Transmitter (30- 1000MHz)

6.1 Applied procedures / limit

Clause	Test Item	Frequency(MHz)	Limit	
4.3.4	Spurious emissions	30-1000	Operating	-36dBm
			Standby	-57dBm
	(radiated)	1000-12750	Operating	-30dBm
			Standby	-47dBm
		1800-1900	Operating	-47dBm
		5150-5300	Standby	-47dBm

6.1.1 Measuring Instruments and Setting

Please refer to section 7.1.1 in this report. The following table is the setting of the Spectrum Analyzer.

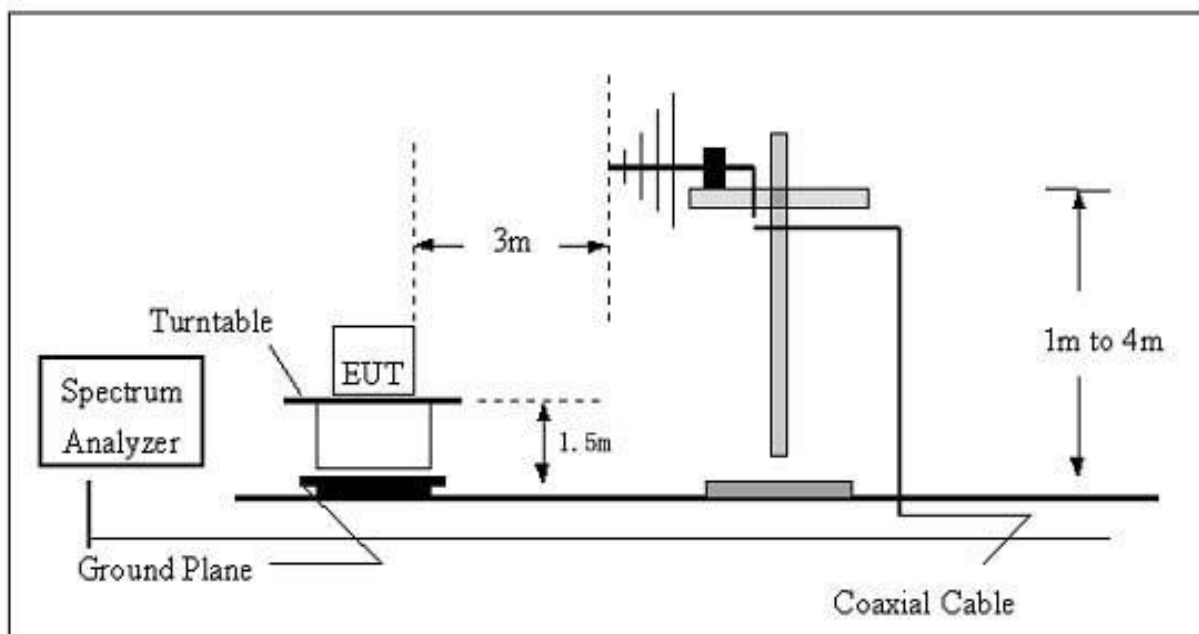
Spectrum Analyzer	Setting
Attenuation	Auto
Start Frequency	30 MHz
Stop Frequency	1000 MHz
Detector	Positive Peak
Span	100 MHz
Sweep Time	1s
RB / VB	100 kHz / 30 kHz

6.1.2 Test Procedures

- The EUT was placed on the top of the turntable in open test site area.
- The test shall be made in the transmitting mode. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- This measurement shall be repeated with the transmitter in standby mode where applicable.
- For 30~1000MHz spurious emissions measurement, the broad band bi-log receiving antenna was placed 3 meters far away from the turntable.
- The broadband receiving antenna was fixed on the same height with the EUT to find each suspected emissions of both horizontal and vertical polarization. Each recorded suspected value is indicated as Read Level (Raw).
- Replace the EUT by standard antenna and feed the RF port by signal generator.
- Adjust the frequency of the signal generator to the suspected emission and slightly rotate the turntable to locate the position with maximum reading.
- Adjust the power level of the signal generator to reach the same reading with Read Level (Raw).
- The level of the spurious emission is the power level of (8) plus the gain of the standard antenna in dBi and minus the loss of the cable used between the signal generator and the standard antenna.
- If the level calculated in (9) is higher than limit by more than 6dB, then lower the RBW of the spectrum analyzer to 30KHz. If the level of this emission does not change by more than 2dB, then it is taken as narrowband emission, otherwise, wideband emission.
- The measurement shall be repeated at the lowest and the highest channel of the stated frequency range.

6.1.3 Test Setup Layout

(A) Radiated Emission Test Set-Up, Frequency Below 1000MHz



6.1.4 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

6.1.5 Results of Standby Mode Spurious Emissions

For the initial investigation on standby mode and receiving mode, no significant differences in spurious emissions were observed between these 2 modes. So test data for standby mode was omitted in this section.

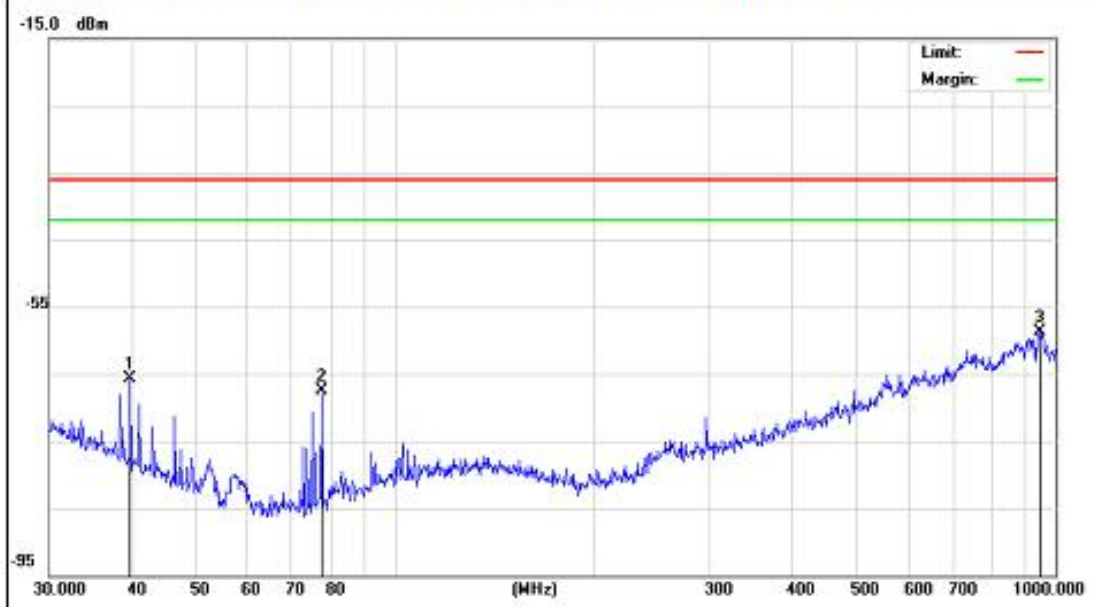
6.1.6 TEST RESULTS (30MHz ~ 1000MHz)

EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	24 °C	Relative Humidity:	54%
Pressure:	1010 hPa	Test Date :	2025-08-27
Test Mode :	TX Mode 11b	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Detector Type
39.8541	-91.31	25.58	-65.73	-36	-29.73	peak
77.5928	-87.03	19.43	-67.6	-36	-31.6	peak
945.4397	-98.51	39.81	-58.7	-36	-22.7	peak

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

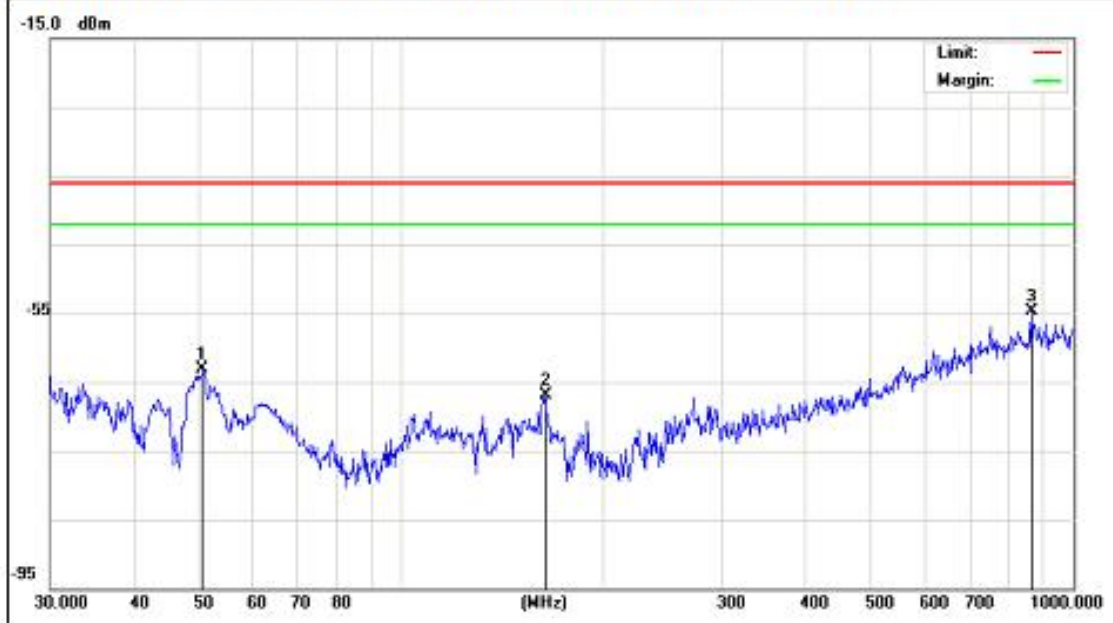


EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	24 °C	Relative Humidity:	54%
Pressure:	1010 hPa	Test Date :	2025-08-27
Test Mode :	TX Mode 11b	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Detector Type
50.5859	-83.29	20.11	-63.18	-36	-27.18	peak
163.7547	-89.85	22.98	-66.87	-36	-30.87	peak
866.0878	-94.22	39.52	-54.7	-36	-18.7	peak

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.



EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	24 °C	Relative Humidity:	54%
Pressure:	1010 hPa	Test Date :	2025-08-27
Test Mode :	TX Mode 11g	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
35.375	-54.98	15.48	-39.8	-36	-3.8	peak
46.9947	-50.73	9.6	-41.15	-36	-5.15	peak
90.8554	-53.27	9.47	-43.3	-36	-7.3	peak
318.817	-58.91	14.71	-44.6	-36	-8.6	peak

Remark:

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

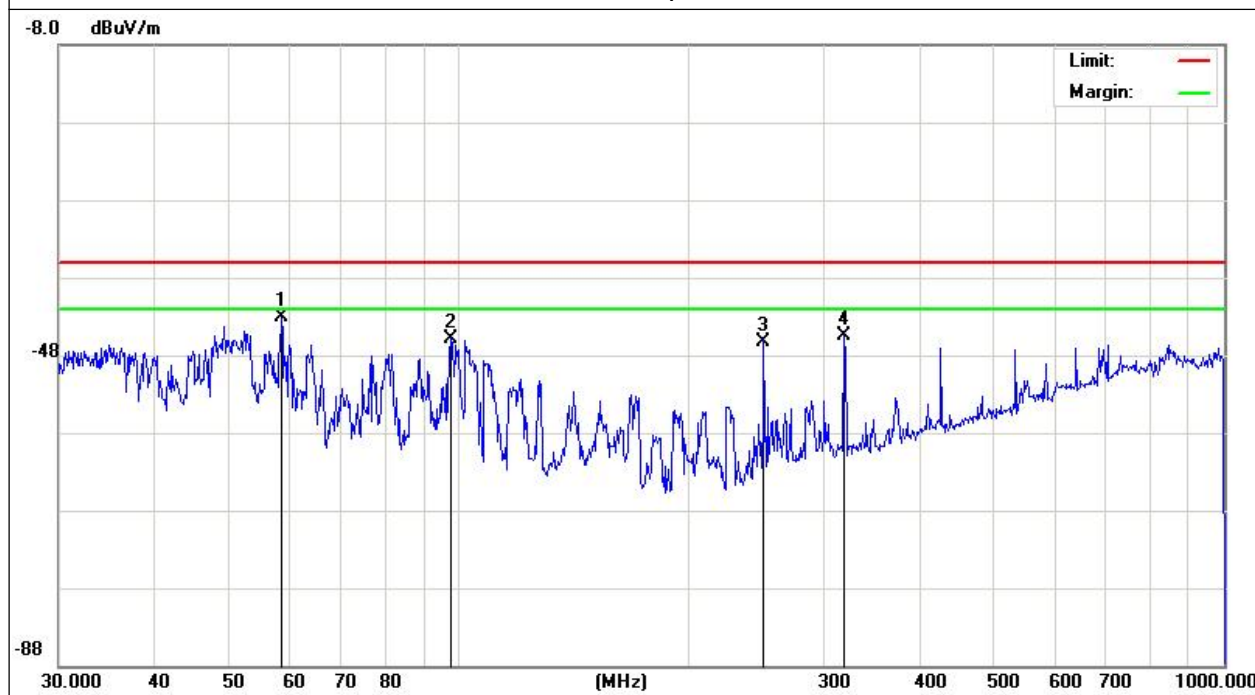


EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	24 °C	Relative Humidity:	54%
Pressure:	1010 hPa	Test Date :	2025-08-27
Test Mode :	TX Mode 11g	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
58.6126	-48.46	5.36	-43.2	-36	-7.2	peak
97.798	-56.05	10.25	-45.6	-36	-9.6	peak
250.3009	-59.29	13.09	-46.4	-36	-10.4	peak
318.817	-60.11	14.71	-45.5	-36	-9.5	peak

Remark:

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



Note:

- (1) EUT Orthogonal Axis:
"X" - denotes Laid on Table; "Y" - denotes Vertical Stand; "Z" - denotes Side Stand.
- (2) Data of measurement within this frequency range shown "*" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) The EUT can't be operated in the standby mode and it's always keep continuously transmitting.

7. SPURIOUS EMISSIONS – TRANSMITTER (ABOVE 1000MHz)

7.1 APPLIED PROCEDURES / LIMIT

Clause	Test Item	Frequency(MHz)	Limit	
4.3.4	Spurious emissions	30-1000	Operating	-36dBm
			Standby	-57dBm
	(narrowband)	1000-12750	Operating	-30dBm
			Standby	-47dBm
		1800-1900	Operating	-47dBm
		5150-5300	Standby	-47dBm

7.1.1 Measuring Instruments and Setting

Please refer to section 7.1.1 in this report. The following table is the setting of the Spectrum Analyzer.

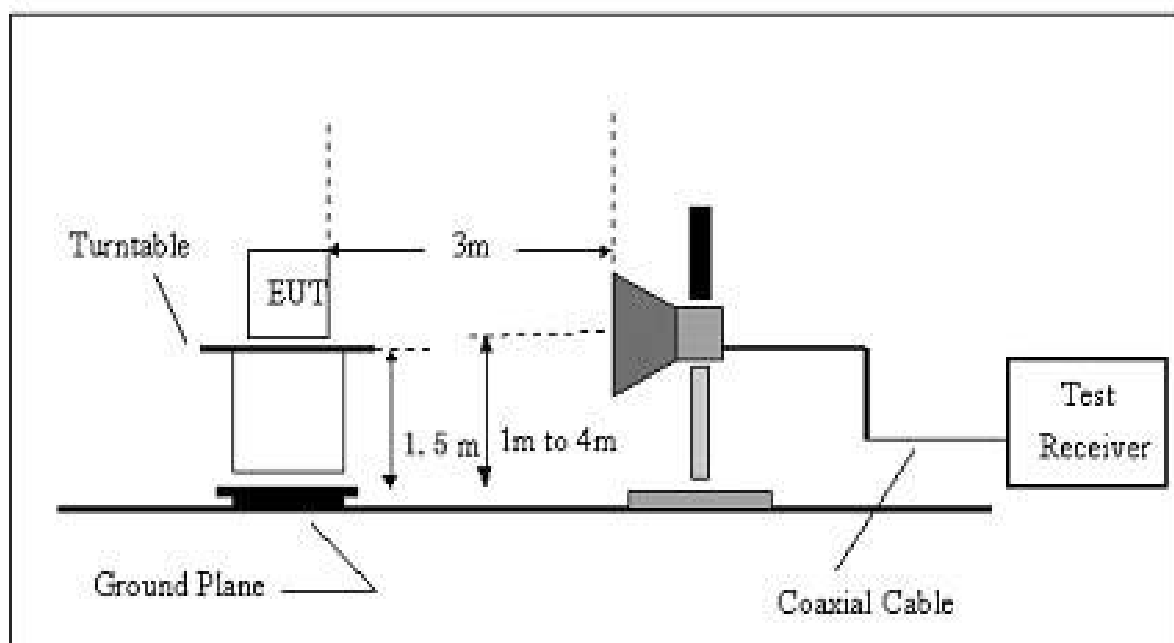
Spectrum Analyzer	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	12750 MHz
Detector	Positive Peak
Span	100 MHz
Sweep Time	1s
RB / VB	100 kHz / 30 kHz

7.1.2 Test Procedures

- The EUT was placed on the top of the turntable in open test site area.
- The test shall be made in the transmitting mode. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- This measurement shall be repeated with the transmitter in standby mode where applicable.
- For 30~1000MHz spurious emissions measurement, the broad band bi-log receiving antenna was placed 3 meters far away from the turntable.
- The broadband receiving antenna was fixed on the same height with the EUT to find each suspected emissions of both horizontal and vertical polarization. Each recorded suspected value is indicated as Read Level (Raw).
- Replace the EUT by standard antenna and feed the RF port by signal generator.
- Adjust the frequency of the signal generator to the suspected emission and slightly rotate the turntable to locate the position with maximum reading.
- Adjust the power level of the signal generator to reach the same reading with Read Level (Raw).
- The level of the spurious emission is the power level of (8) plus the gain of the standard antenna in dBi and minus the loss of the cable used between the signal generator and the standard antenna.
- If the level calculated in (9) is higher than limit by more than 6dB, then lower the RBW of the spectrum analyzer to 30KHz. If the level of this emission does not change by more than 2dB, then it is taken as narrowband emission, otherwise, wideband emission.
- The measurement shall be repeated at the lowest and the highest channel of the stated frequency range.

7.1.3 Test Setup Layout

(B) Radiated Emission Test Set-Up Frequency Above 1 GHz



7.1.4 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

7.1.5 Results of Standby Mode Spurious Emissions

For the initial investigation on standby mode and receiving mode, no significant differences in spurious emissions were observed between these 2 modes. So test data for standby mode was omitted in this section.

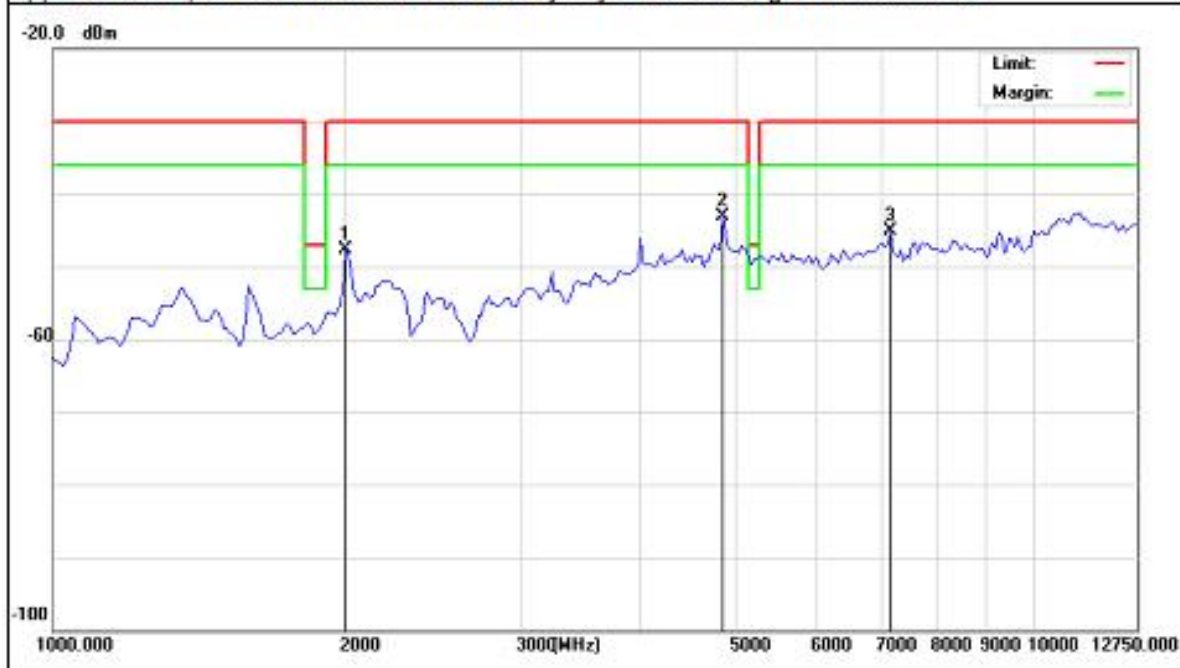
7.1.6 TEST RESULTS

EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	24 °C	Relative Humidity:	54%
Pressure:	1010 hPa	Test Date :	2025-08-27
Test Mode :	TX Mode 2412 MHz	Polarization :	Vertical
Test Power :	DC 5V(11b)		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1998.75	-46.79	-0.96	-47.75	-30	-17.75	peak
4818.75	-51.52	8.51	-43.01	-30	-13.01	peak
7168.75	-55.3	10.22	-45.08	-30	-15.08	peak

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

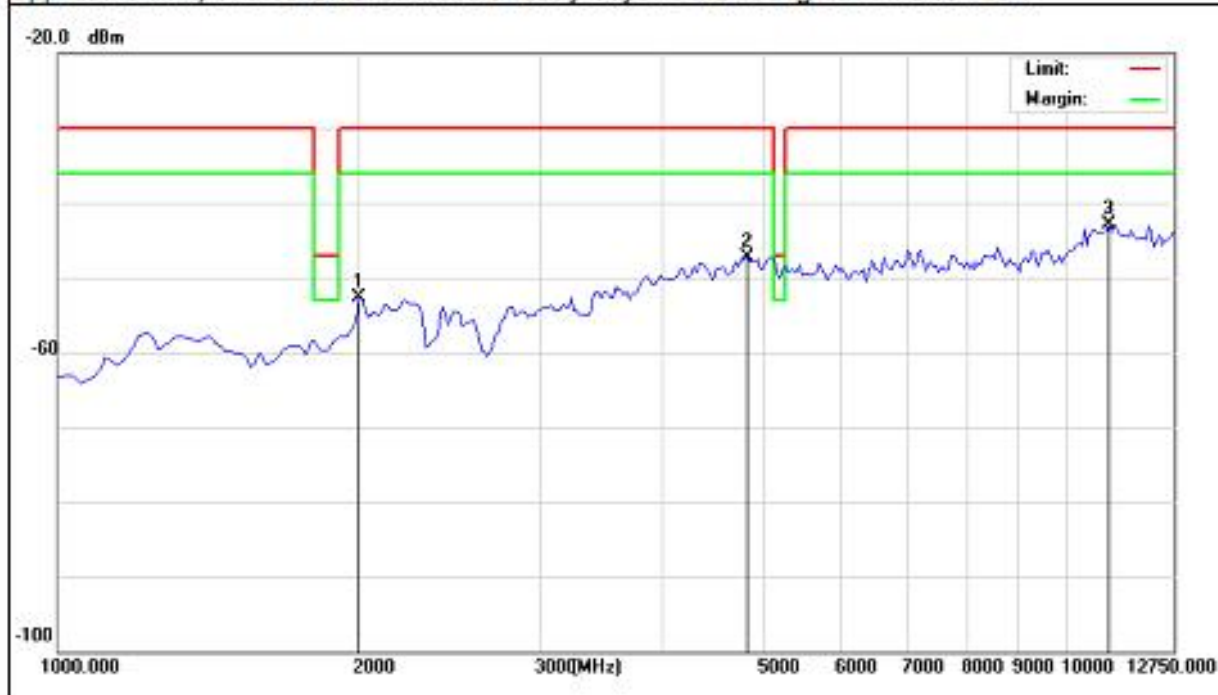


EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	24 °C	Relative Humidity:	54%
Pressure:	1010 hPa	Test Date :	2025-08-27
Test Mode :	TX Mode 2412 MHz	Polarization :	Horizontal
Test Power :	DC 5V(11b)		

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Detector Type
1998.75	-51.71	-0.98	-52.67	-30	-22.67	peak
4818.75	-55.84	8.51	-47.33	-30	-17.33	peak
11046.25	-58.06	15.07	-42.99	-30	-12.99	peak

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

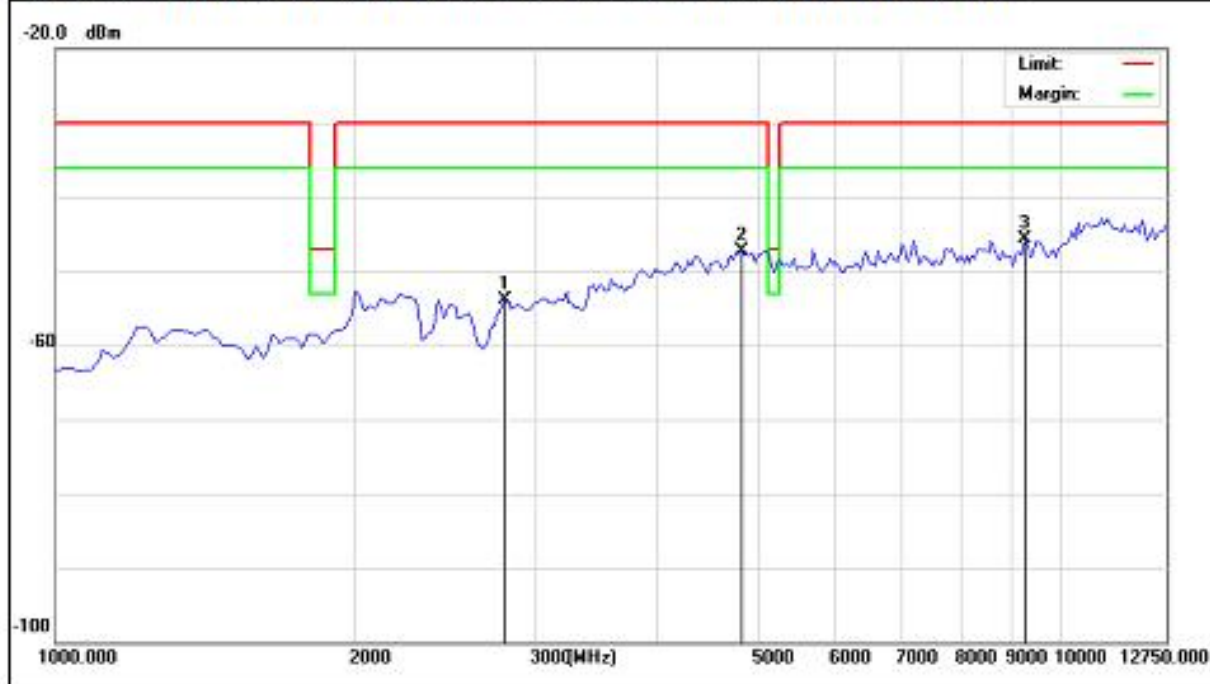


EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	24 °C	Relative Humidity:	54%
Pressure:	1010 hPa	Test Date :	2025-08-27
Test Mode :	TX Mode 2442 MHz	Polarization :	Vertical
Test Power :	DC 5V(11b)		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
2821.25	-54.07	0.11	-53.96	-30	-23.96	peak
4818.75	-55.84	8.51	-47.33	-30	-17.33	peak
9254.375	-57.32	11.61	-45.71	-30	-15.71	peak

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

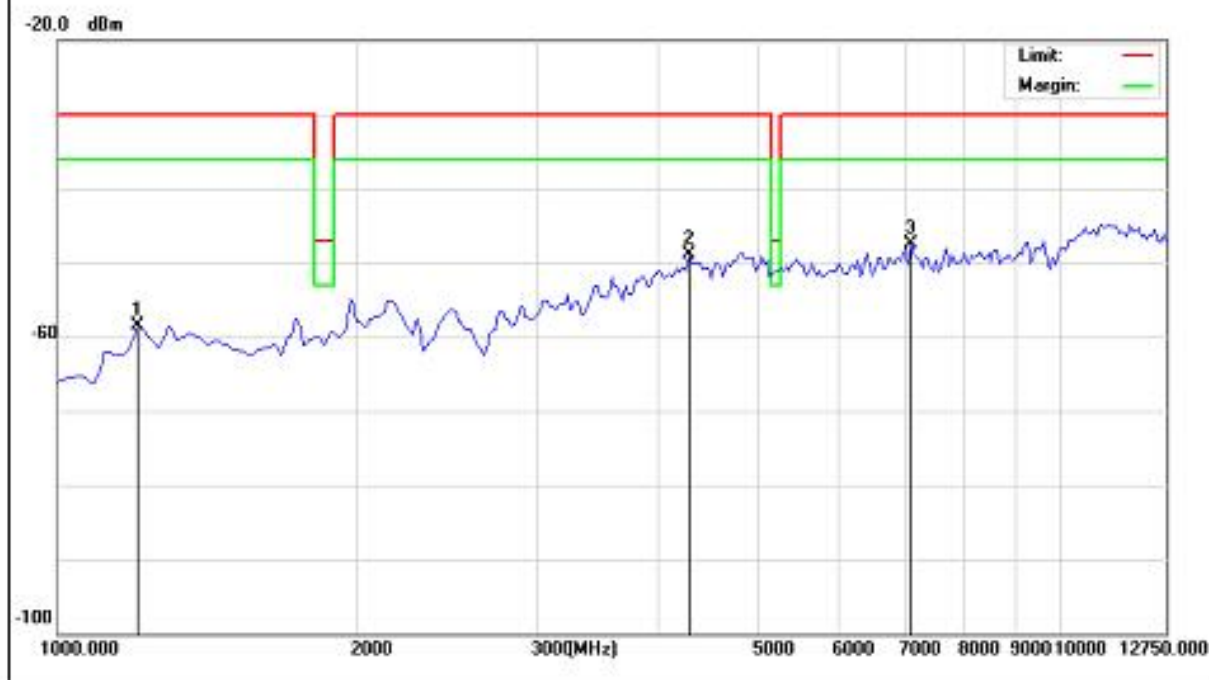


EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	24 °C	Relative Humidity:	54%
Pressure:	1010 hPa	Test Date :	2025-08-27
Test Mode :	TX Mode 2442 MHz	Polarization :	Horizontal
Test Power :	DC 5V(11b)		

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Detector Type
1205.625	-54.73	-3.69	-58.42	-30	-28.42	peak
4290	-55.29	6.46	-48.83	-30	-18.83	peak
7139.375	-58.14	10.56	-47.58	-30	-17.58	peak

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

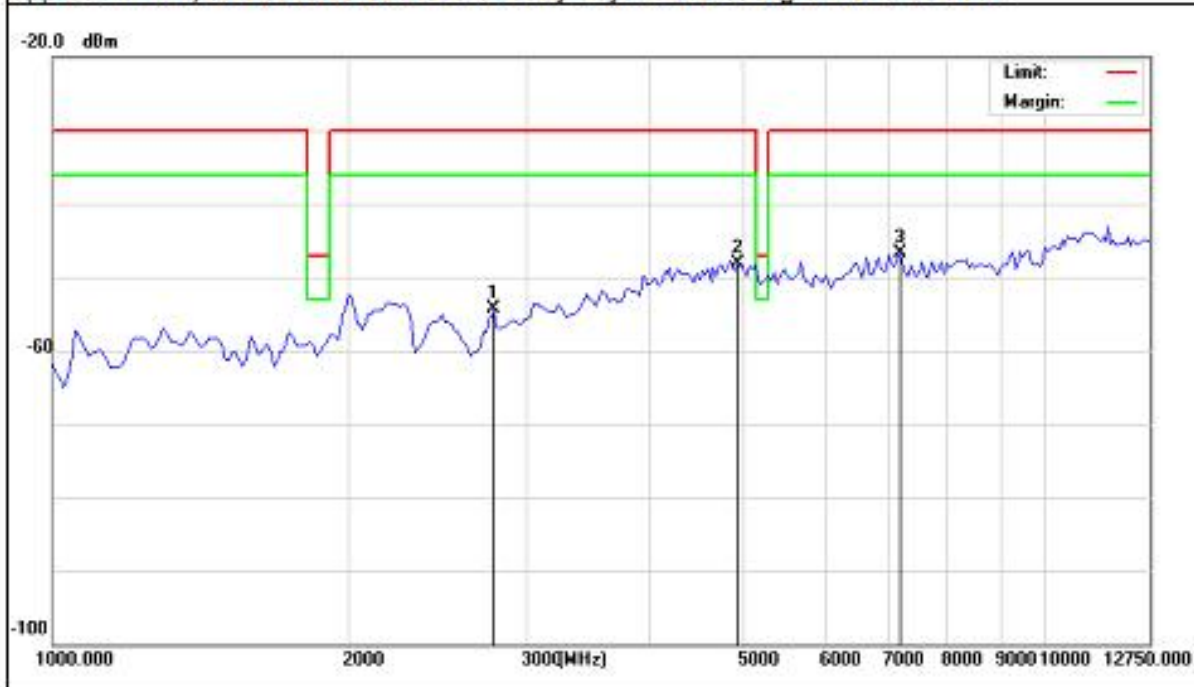


EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	24 °C	Relative Humidity:	54%
Pressure:	1010 hPa	Test Date :	2025-08-27
Test Mode :	TX Mode 2472 MHz	Polarization :	Vertical
Test Power :	DC 5V(11b)		

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Detector Type
2791.875	-54.47	0.14	-54.33	-30	-24.33	peak
4936.25	-56.59	8.51	-48.08	-30	-18.08	peak
7168.75	-56.93	10.22	-46.71	-30	-16.71	peak

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

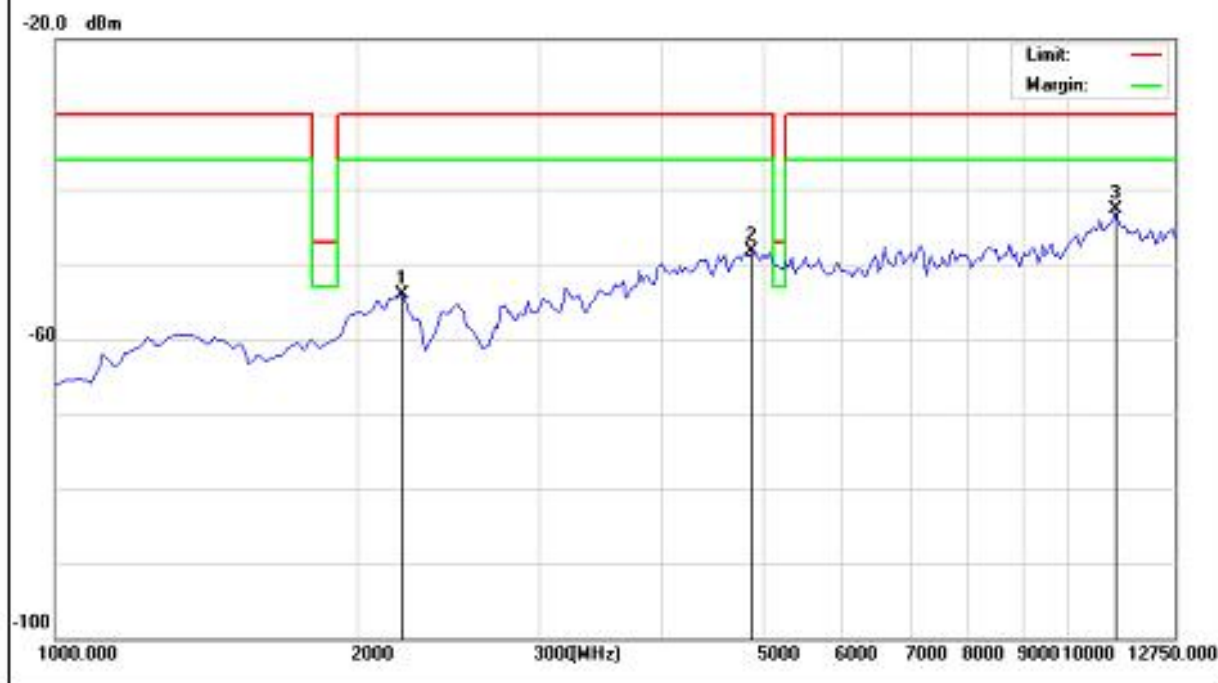


EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	24 °C	Relative Humidity:	54%
Pressure:	1010 hPa	Test Date :	2025-08-27
Test Mode :	TX Mode 2472 MHz	Polarization :	Horizontal
Test Power :	DC 5V(11b)		

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Detector Type
2204.375	-53.62	-0.56	-54.18	-30	-24.18	peak
4906.875	-56.74	8.37	-48.37	-30	-18.37	peak
11163.75	-56.79	14.15	-42.64	-30	-12.64	peak

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

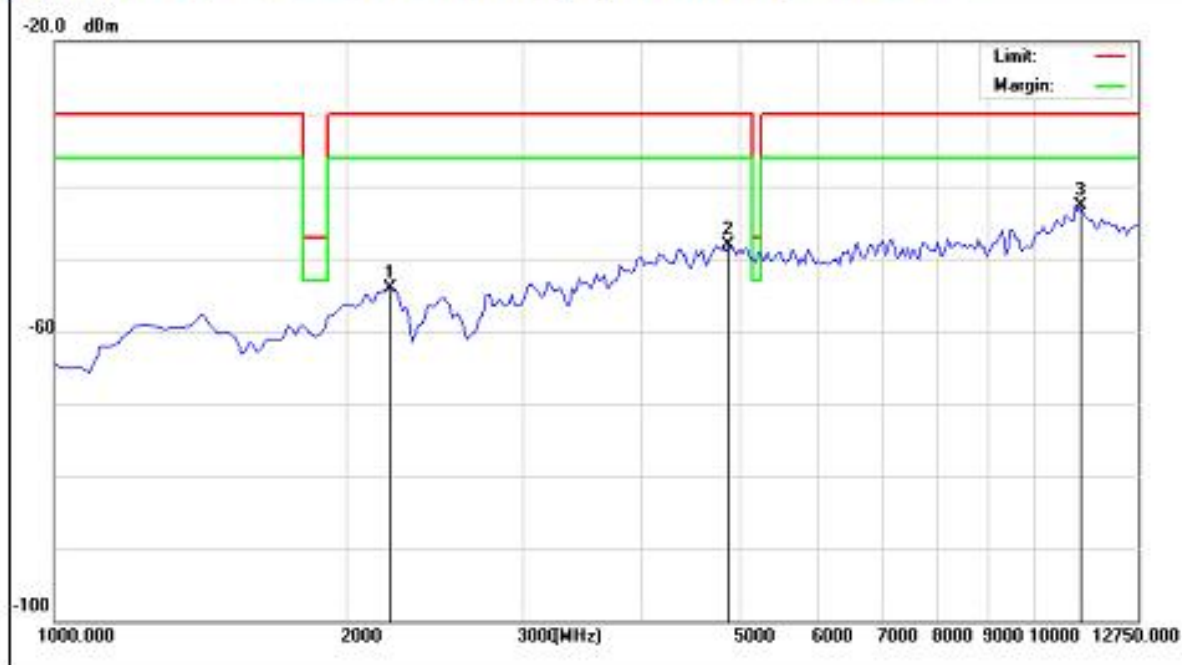


EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	24 °C	Relative Humidity:	54%
Pressure:	1010 hPa	Test Date :	2025-08-27
Test Mode :	TX Mode 2412 MHz	Polarization :	Vertical
Test Power :	DC 5V(11g)		

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Detector Type
2204.375	-53.51	-0.56	-54.07	-30	-24.07	peak
4877.5	-56.65	8.46	-48.19	-30	-18.19	peak
11163.75	-56.79	14.15	-42.64	-30	-12.64	peak

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

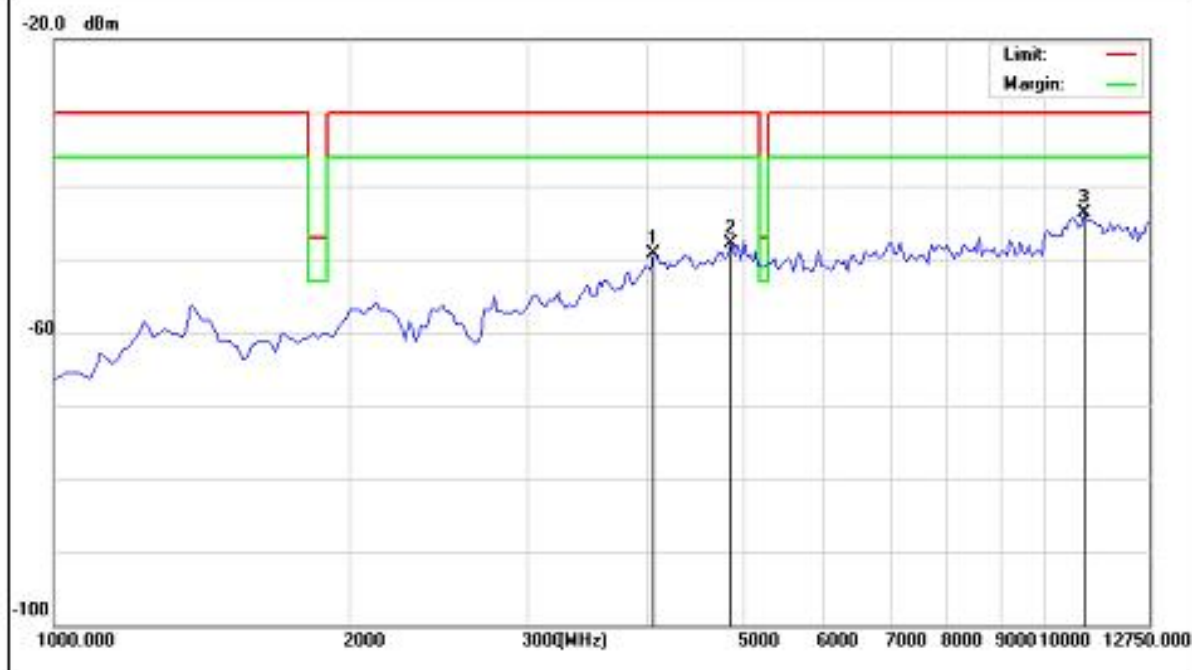


EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	24 °C	Relative Humidity	54%
Pressure:	1010 hPa	Test Date :	2025-08-27
Test Mode :	TX Mode 2412 MHz	Polarization :	Horizontal
Test Power :	DC 5V(11g)		

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Detector Type
4055	-55.48	6.11	-49.37	-30	-19.37	peak
4818.75	-56.5	8.51	-47.99	-30	-17.99	peak
10958.125	-59.02	15.39	-43.63	-30	-13.63	peak

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

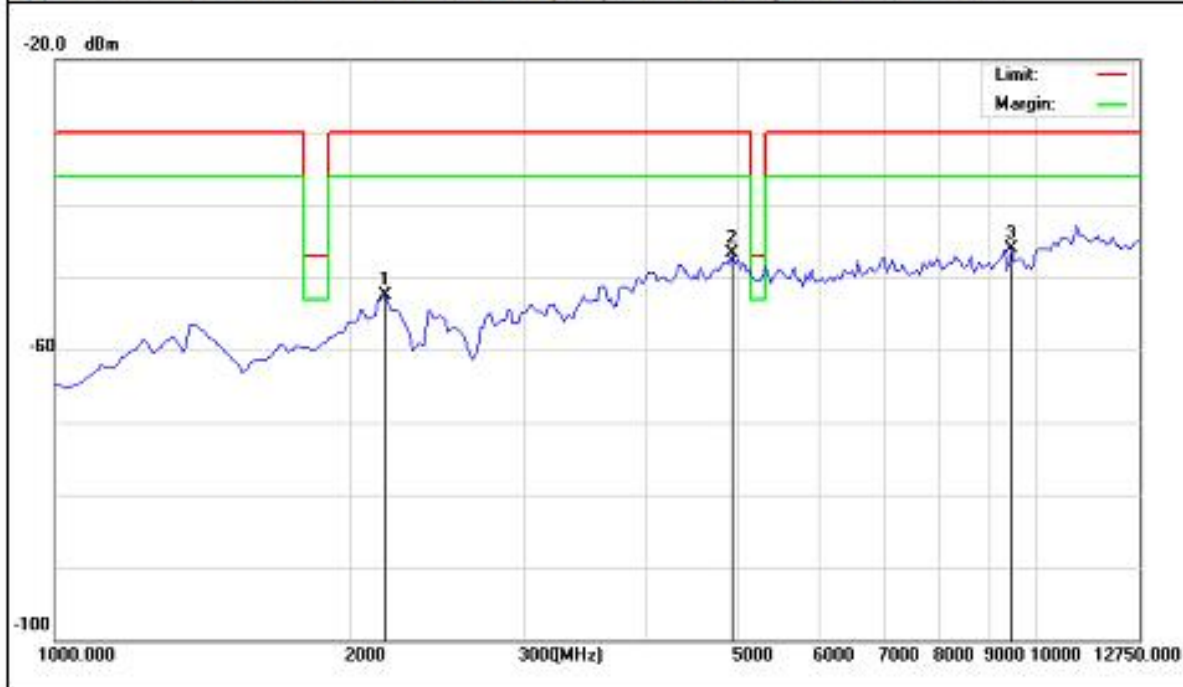


EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	24 °C	Relative Humidity	54%
Pressure:	1010 hPa	Test Date :	2025-08-27
Test Mode :	TX Mode 2442 MHz	Polarization :	Vertical
Test Power :	DC 5V(11g)		

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Detector Type
2175	-52.33	-0.23	-52.56	-30	-22.56	peak
4936.25	-55.25	8.51	-46.74	-30	-16.74	peak
9489.375	-57.7	11.51	-46.19	-30	-16.19	peak

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

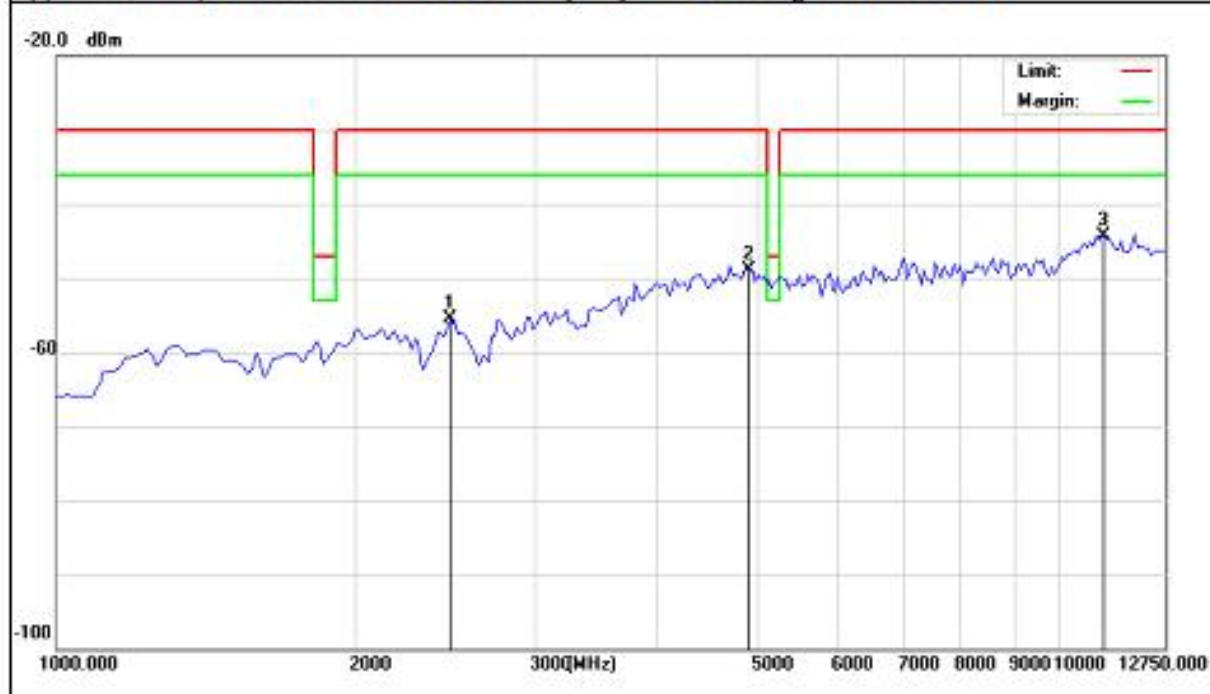


EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	24 °C	Relative Humidity	54%
Pressure:	1010 hPa	Test Date :	2025-08-27
Test Mode :	TX Mode 2442 MHz	Polarization :	Horizontal
Test Power :	DC 5V(11g)		

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Detector Type
2468.75	-54.22	-1.3	-55.52	-30	-25.52	peak
4936.25	-57.35	8.51	-48.84	-30	-18.84	peak
11134.375	-58.48	14.11	-44.37	-30	-14.37	peak

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

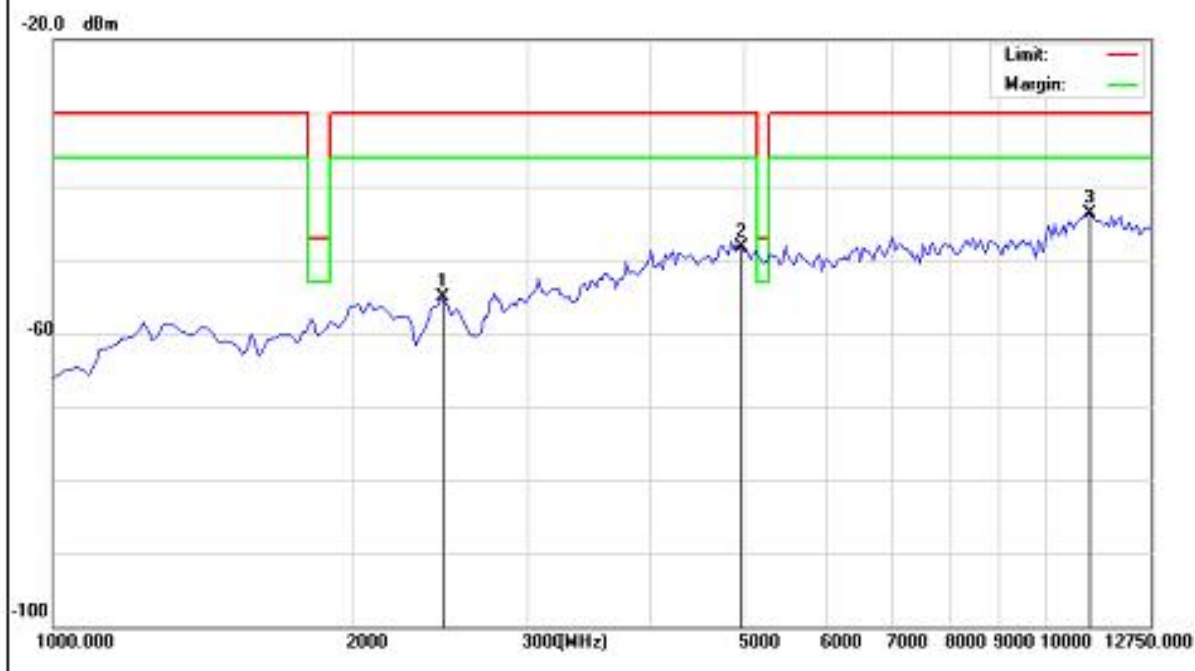


EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	24 °C	Relative Humidity	54%
Pressure:	1010 hPa	Test Date :	2025-08-27
Test Mode :	TX Mode 2472 MHz	Polarization :	Vertical
Test Power :	DC 5V(11g)		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
2488.75	-53.7	-1.3	-55	-30	-25	peak
4965.625	-56.76	8.48	-48.28	-30	-18.28	peak
11105.00	-57.72	13.99	-43.73	-30	-13.73	peak

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

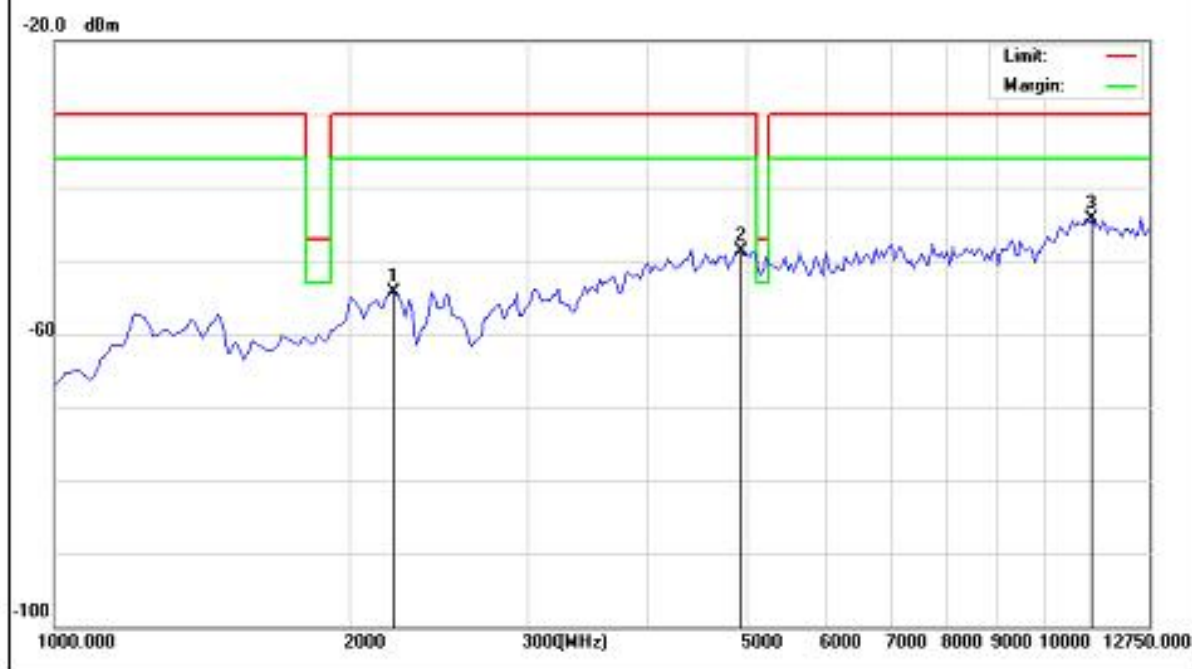


EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	24 °C	Relative Humidity	54%
Pressure:	1010 hPa	Test Date :	2025-08-27
Test Mode :	TX Mode 2472 MHz	Polarization :	Horizontal
Test Power :	DC 5V(11g)		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
2204.375	-53.8	-0.56	-54.36	-30	-24.36	peak
4965.625	-57.18	8.48	-48.7	-30	-18.7	peak
11163.75	-58.46	14.15	-44.31	-30	-14.31	peak

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

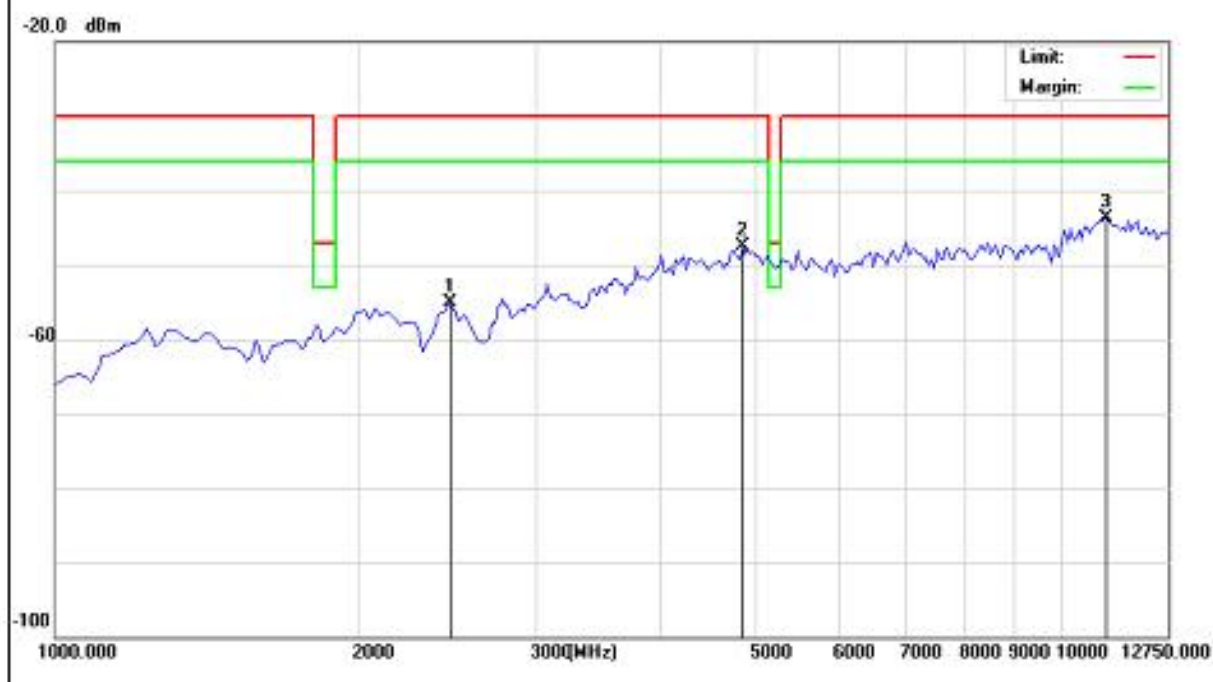


EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	24 °C	Relative Humidity	54%
Pressure:	1010 hPa	Test Date :	2025-08-27
Test Mode :	n Mode 2412 MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Detector Type
2468.75	-53.7	-1.3	-55	-30	-25	peak
4818.75	-56.01	8.51	-47.5	-30	-17.5	peak
11105.00	-57.72	13.99	-43.73	-30	-13.73	peak

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

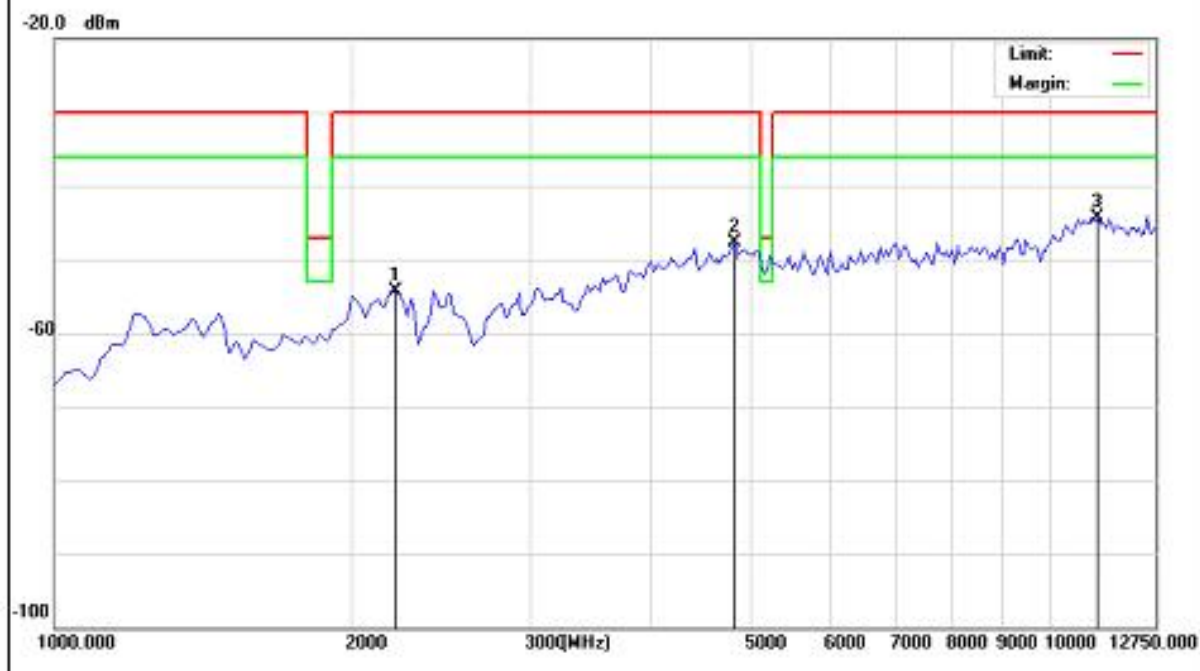


EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	24 °C	Relative Humidity	54%
Pressure:	1010 hPa	Test Date :	2025-08-27
Test Mode :	n Mode 2412 MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
2204.375	-53.8	-0.56	-54.36	-30	-24.36	peak
4818.75	-56.25	8.51	-47.74	-30	-17.74	peak
11163.75	-58.46	14.15	-44.31	-30	-14.31	peak

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

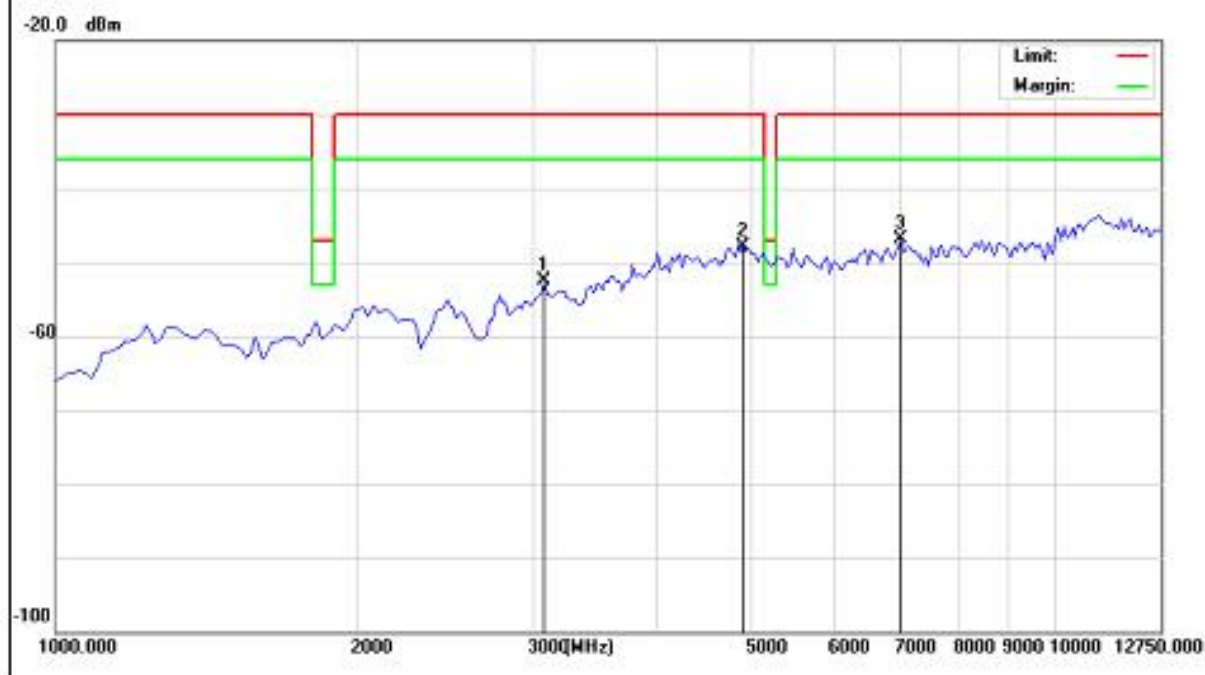


EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	24 °C	Relative Humidity	54%
Pressure:	1010 hPa	Test Date :	2025-08-27
Test Mode :	n Mode 2442 MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Detector Type
3085.625	-52.98	0.54	-52.44	-30	-22.44	peak
4906.875	-56.22	8.37	-47.85	-30	-17.85	peak
7051.25	-57.62	10.79	-46.83	-30	-16.83	peak

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

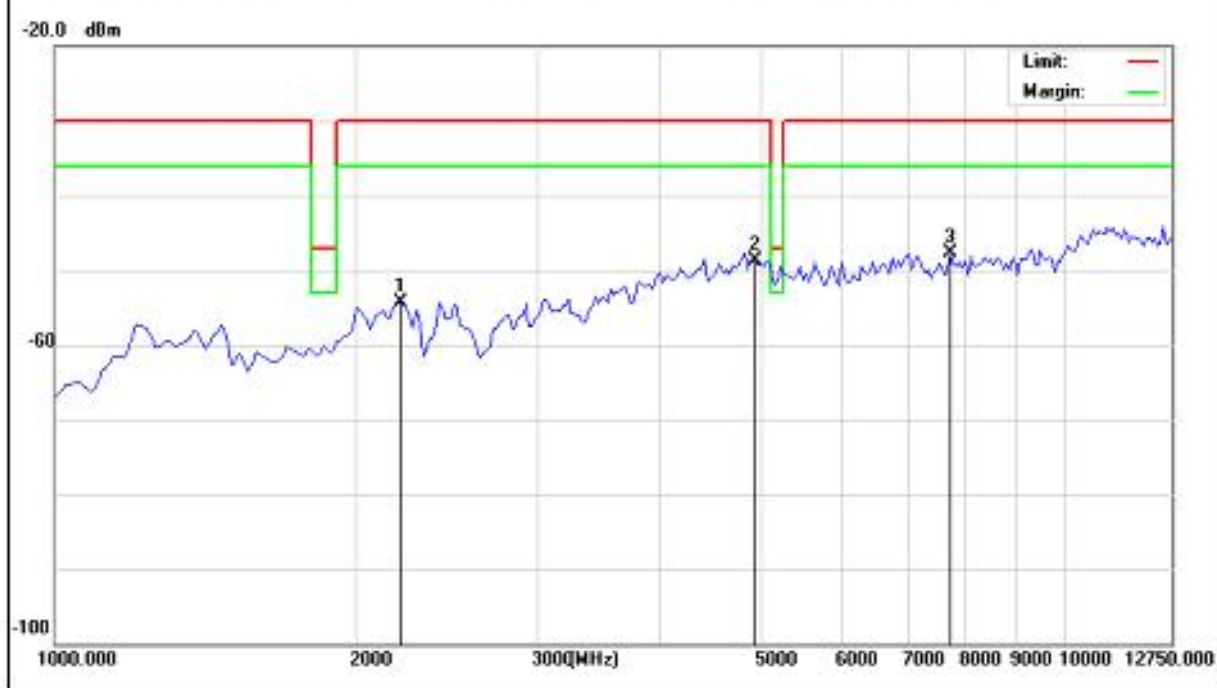


EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	24 °C	Relative Humidity	54%
Pressure:	1010 hPa	Test Date :	2025-08-27
Test Mode :	n Mode 2442 MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Detector Type
2204.375	-53.8	-0.56	-54.36	-30	-24.36	peak
4965.625	-57.18	8.48	-48.7	-30	-18.7	peak
7726.875	-57.63	9.87	-47.76	-30	-17.76	peak

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

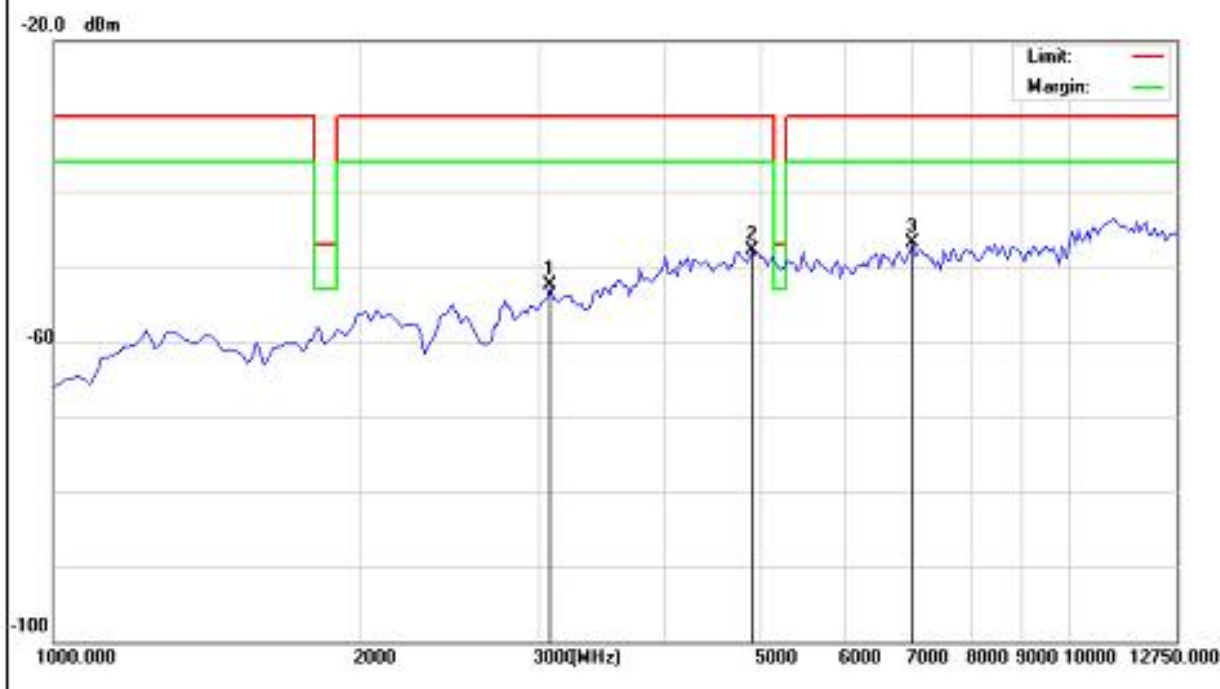


EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	24 °C	Relative Humidity	54%
Pressure:	1010 hPa	Test Date :	2025-08-27
Test Mode :	n Mode 2472 MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Detector Type
3085.625	-52.98	0.54	-52.44	-30	-22.44	peak
4906.875	-56.22	8.37	-47.85	-30	-17.85	peak
7051.25	-57.62	10.79	-46.83	-30	-16.83	peak

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

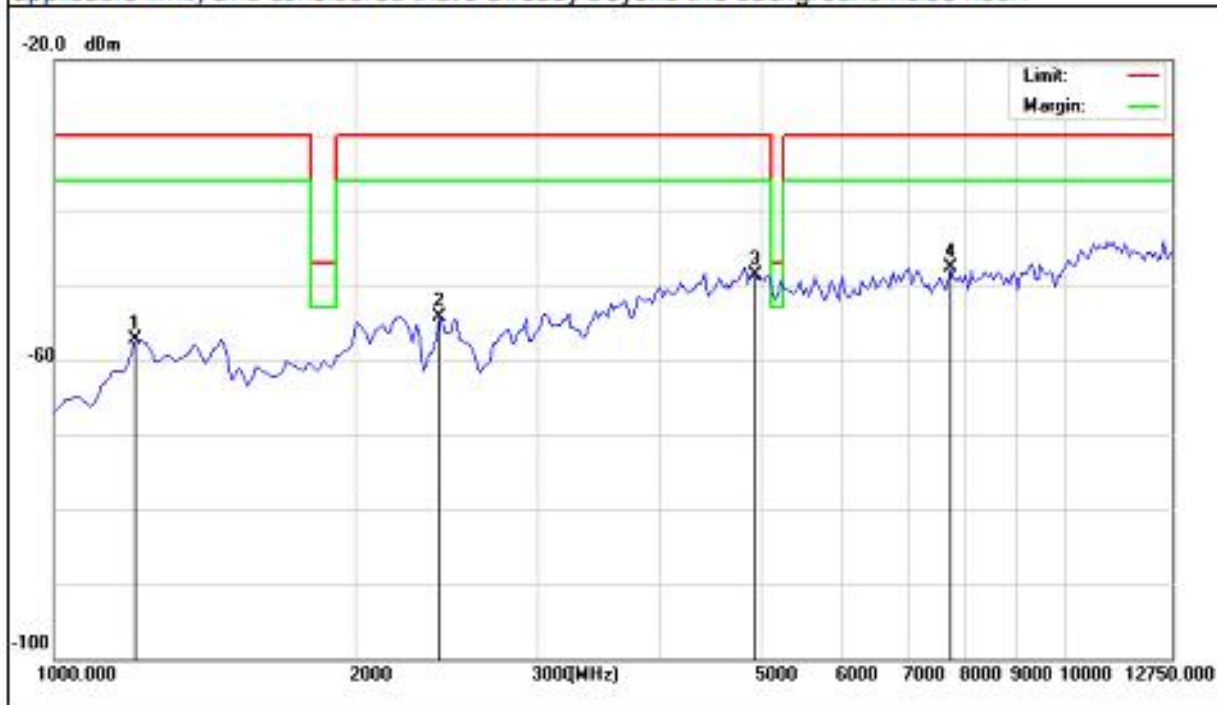


EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	24 °C	Relative Humidity	54%
Pressure:	1010 hPa	Test Date :	2025-08-27
Test Mode :	n Mode 2472 MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Detector Type
1205.625	-53.67	-3.69	-57.36	-30	-27.36	peak
2410	-52.95	-1.31	-54.26	-30	-24.26	peak
4965.625	-57.18	8.48	-48.7	-30	-18.7	peak
7726.875	-57.63	9.87	-47.76	-30	-17.76	peak

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.



8. Spurious emissions – RECEIVER (30-1000MHz)

8.1 Applied procedures / limit

Clause	Test Item	Frequency(MHz)	Limit
4.3.5	Spurious emissions	30-1000	-57dBm
	(radiated)	1000-12750	-47dBm

8.1.1 Measuring Instruments and Setting

Please refer to section 8.1.1 in this report. The following table is the setting of the Spectrum Analyzer.

Spectrum Analyzer	Setting
Attenuation	Auto
Start Frequency	30 MHz
Stop Frequency	1000 MHz
Detector	Positive Peak
Span	100 MHz
Sweep Time	1s
RB / VB	100 kHz / 30 kHz

8.1.2 Test Procedures

- The EUT was placed on the top of the turntable in open test site area.
- The test shall be made in the receiving mode. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- For 30~1000MHz spurious emissions measurement, the broad band bi-log receiving antenna was placed 3 meters far away from the turntable. .
- The broadband receiving antenna was fixed on the same height with the EUT to find each suspected emissions of both horizontal and vertical polarization. Each recorded suspected value is indicated as Read Level (Raw).
- Replace the EUT by standard antenna and feed the RF port by signal generator.
- Adjust the frequency of the signal generator to the suspected emission and slightly rotate the turntable to locate the position with maximum reading.
- Adjust the power level of the signal generator to reach the same reading with Read Level (Raw).
- The level of the spurious emission is the power level of (7) plus the gain of the standard antenna in dBi and minus the loss of the cable used between the signal generator and the standard antenna.
- The measurement shall be repeated at the lowest and the highest channel of the stated frequency range.

8.1.3 Test Setup Layout

This test setup layout is the same as that shown in section 6.1.4

8.1.4 EUT Operation during Test

The EUT was programmed to be in continuously receiving mode.

8.1.5 TEST RESULTS (30MHz-1000MHz)

EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	26°C	Relative Humidity:	53 %
Pressure:	1012 hPa	Test Voltage :	N/A
Test Mode :	RX	Polarization :	Vertical
Test Power :	DC 5V		

Frequency (MHz)	Ant H / V	EUT Axis (X/Y/Z)	TX/RX	Measure d(FS) (dBm)	Limits (dBm)	Margins	Note
43.2100	V	X	RX	-62.33	-57.00	-5.33	
99.5600	V	X	RX	-65.27	-57.00	-8.27	
124.5800	V	X	RX	-68.44	-57.00	-11.44	
187.5600	V	X	RX	-69.19	-57.00	-12.19	
265.3200	V	X	RX	-63.04	-57.00	-6.04	
488.0200	V	X	RX	-60.72	-57.00	-3.72	



Frequency (MHz)	Ant H / V	EUT Axis (X/Y/Z)	TX/RX	Measure d(FS) (dBm)	Limits (dBm)	Margins	Note
43.2100	H	X	RX	-63.56	-57.00	-6.56	
78.9500	H	X	RX	-68.43	-57.00	-11.43	
99.7900	H	X	RX	-61.28	-57.00	-4.28	
124.5600	H	X	RX	-63.74	-57.00	-6.74	
412.7800	H	X	RX	-60.48	-57.00	-3.48	
666.3300	H	X	RX	-65.35	-57.00	-8.35	



Note:

- (1) EUT Orthogonal Axis:
"X" - denotes Laid on Table; "Y" - denotes Vertical Stand; "Z" - denotes Side Stand.
- (2) Data of measurement within this frequency range shown "*" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) The EUT can't be operated in the standby mode and it's always keep continuously receiving.

EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	26°C	Relative Humidity:	53 %
Pressure:	1012 hPa	Test Voltage :	DC 5V
Test Mode :	RX Mode 2472 MHz (11B)		

Frequency (MHz)	Ant H / V	EUT Axis (X/Y/Z)	TX/RX	Measure d(FS) (dBm)	Limits (dBm)	Margins	Note
43.2100	V	X	RX	-62.36	-57.00	-5.36	
99.5600	V	X	RX	-65.23	-57.00	-8.23	
187.5600	V	X	RX	-65.46	-57.00	-8.46	
224.5800	V	X	RX	-70.23	-57.00	-13.23	
265.3200	V	X	RX	-63.05	-57.00	-6.05	
488.0200	V	X	RX	-63.26	-57.00	-6.26	



Frequency (MHz)	Ant H / V	EUT Axis (X/Y/Z)	TX/RX	Measure d(FS) (dBm)	Limits (dBm)	Margins	Note
43.8900	H	X	RX	-65.13	-57.00	-8.13	
99.7800	H	X	RX	-60.24	-57.00	-3.24	
124.5900	H	X	RX	-70.65	-57.00	-13.65	
445.6900	H	X	RX	-64.87	-57.00	-7.87	
666.3300	H	X	RX	-62.32	-57.00	-5.32	
924.6000	H	X	RX	-69.57	-57.00	-12.57	



Note:

- (1) EUT Orthogonal Axis:
"X" - denotes Laid on Table; "Y" - denotes Vertical Stand; "Z" - denotes Side Stand.
- (2) Data of measurement within this frequency range shown "*" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) The EUT can't be operated in the standby mode and it's always keep continuously receiving.

9. Spurious emissions – RECEIVER (above 1000MHz)

9.1 Applied procedures / limit

Clause	Test Item	Frequency(MHz)	Limit
4.3.5	Spurious emissions	30-1000	-57dBm
	(narrowband)	1000-12750	-47dBm

9.1.1 Measuring Instruments and Setting

Please refer to section 9.1.1 in this report. The following table is the setting of the Spectrum Analyzer.

Spectrum Analyzer	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	12750 MHz
Detector	Positive Peak
Span	100 MHz
Sweep Time	1s
RB / VB	100 kHz / 30 kHz

9.1.2 Test Procedures

- The EUT was placed on the top of the turntable in open test site area.
- The test shall be made in the receiving mode. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- For 30~1000MHz spurious emissions measurement, the broad band bi-log receiving antenna was placed 3 meters far away from the turntable. .
- The broadband receiving antenna was fixed on the same height with the EUT to find each suspected emissions of both horizontal and vertical polarization. Each recorded suspected value is indicated as Read Level (Raw).
- Replace the EUT by standard antenna and feed the RF port by signal generator.
- Adjust the frequency of the signal generator to the suspected emission and slightly rotate the turntable to locate the position with maximum reading.
- Adjust the power level of the signal generator to reach the same reading with Read Level (Raw).
- The level of the spurious emission is the power level of (7) plus the gain of the standard antenna in dBi and minus the loss of the cable used between the signal generator and the standard antenna.
- The measurement shall be repeated at the lowest and the highest channel of the stated frequency range.

9.1.3 Test Setup Layout

This test setup layout is the same as that shown in section 7.1.3

9.1.4 EUT Operation during Test

The EUT was programmed to be in continuously receiving mode.

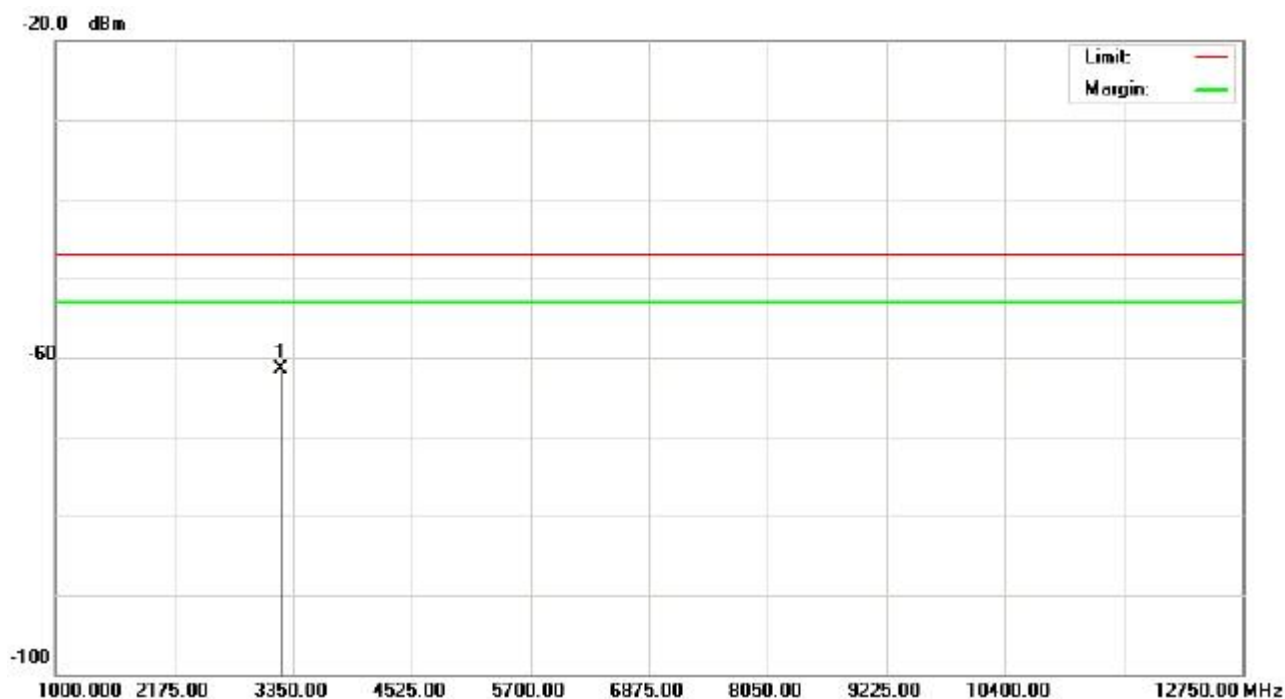
9.1.5 TEST RESULTS (Above 1000MHz)

EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	26°C	Relative Humidity:	53 %
Pressure:	1012 hPa	Test Voltage :	DC 5V
Test Mode :	RX Mode 2412 MHz (11B)		

Frequency	Ant	EUT Axis	TX/RX	Measure d(FS)	Limits	Margins	Note
(MHz)	H / V	(X/Y/Z)		(dBm)	(dBm)		
3216.600	V	X	RX	-65.25	-47.00	-18.25	



Frequency (MHz)	Ant H / V	EUT Axis (X/Y/Z)	TX/RX	Measure d(FS) (dBm)	Limits (dBm)	Margins	Note
3216.020	H	X	RX	-61.75	-47.00	-14.75	



Note:

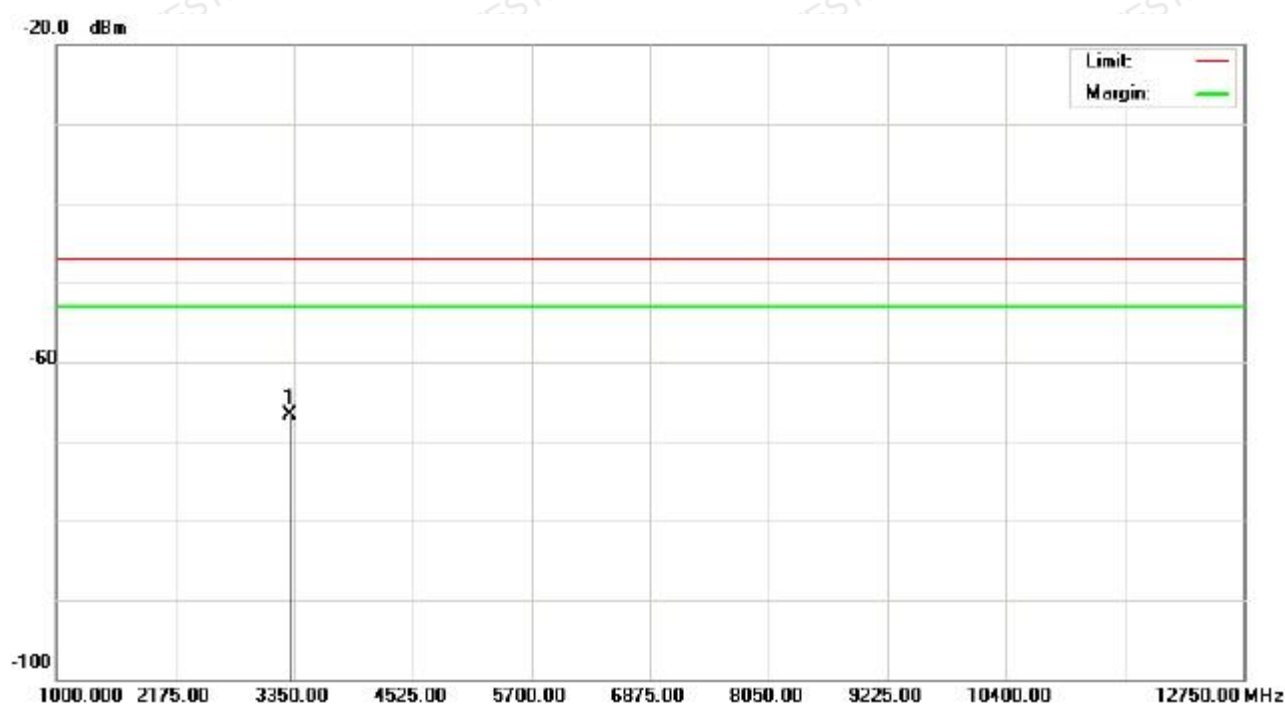
- (1) EUT Orthogonal Axis:
"X" - denotes Laid on Table; "Y" - denotes Vertical Stand; "Z" - denotes Side Stand.
- (2) Data of measurement within this frequency range shown "*" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) The EUT can't be operated in the standby mode and it's always keep continuously receiving.

EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	26°C	Relative Humidity:	53 %
Pressure:	1012 hPa	Test Voltage :	DC 5V
Test Mode :	RX Mode 2472 MHz (11B)		

Frequency	Ant	EUT Axis	TX/RX	Measure d(FS)	Limits	Margins	Note
(MHz)	H / V	(X/Y/Z)		(dBm)	(dBm)		
3296.400	V	X	RX	-67.86	-47.00	-20.86	



Frequency	Ant	EUT Axis	TX/RX	Measure d(FS)	Limits	Margins	Note
(MHz)	H / V	(X/Y/Z)		(dBm)	(dBm)		
3296.800	H	X	RX	-66.54	-47.00	-19.54	



Note:

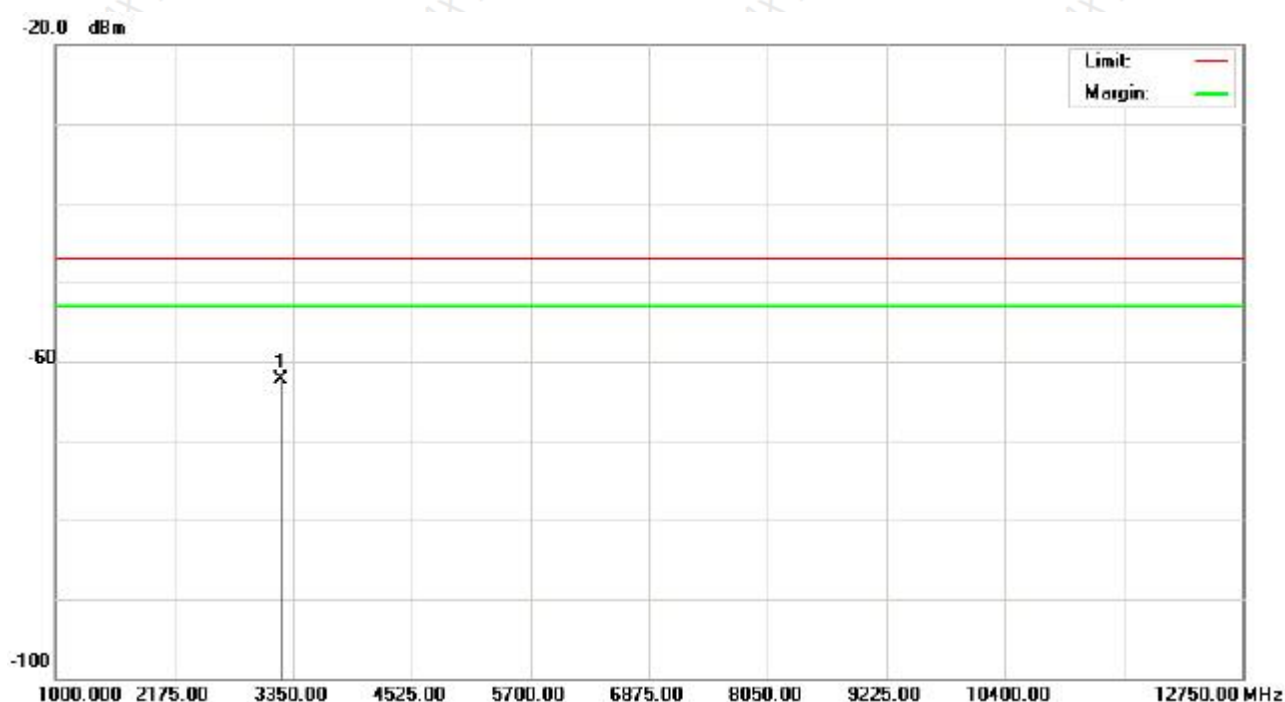
- (1) EUT Orthogonal Axis:
"X" - denotes Laid on Table; "Y" - denotes Vertical Stand; "Z" - denotes Side Stand.
- (2) Data of measurement within this frequency range shown "*" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) The EUT can't be operated in the standby mode and it's always keep continuously receiving.

EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	26°C	Relative Humidity:	53 %
Pressure:	1012 hPa	Test Voltage :	DC 5V
Test Mode :	RX Mode 2412 MHz (11G)		

Frequency (MHz)	Ant H / V	EUT Axis (X/Y/Z)	TX/RX	Measure d(FS) (dBm)	Limits (dBm)	Margins	Note
3215.998	V	X	RX	-65.86	-47.00	-18.86	



Frequency (MHz)	Ant H / V	EUT Axis (X/Y/Z)	TX/RX	Measure d(FS) (dBm)	Limits (dBm)	Margins	Note
3215.998	H	X	RX	-62.97	-47.00	-15.87	



Note:

- (1) EUT Orthogonal Axis:
"X" - denotes Laid on Table; "Y" - denotes Vertical Stand; "Z" - denotes Side Stand.
- (2) Data of measurement within this frequency range shown "*" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) The EUT can't be operated in the standby mode and it's always keep continuously receiving.

EUT:	Remote Control Plane	Model Name :	CX035
Temperature:	26°C	Relative Humidity:	53 %
Pressure:	1012 hPa	Test Voltage :	DC 5V
Test Mode :	RX Mode 2472 MHz (11G)		

Frequency (MHz)	Ant H / V	EUT Axis (X/Y/Z)	TX/RX	Measure d(FS) (dBm)	Limits (dBm)	Margins	Note
3229.324	V	X	RX	-66.54	-47.00	-19.54	



Frequency	Ant	EUT Axis	TX/RX	Measure d(FS)	Limits	Margins	Note
(MHz)	H / V	(X/Y/Z)		(dBm)	(dBm)		
3229.324	H	X	RX	-61.34	-47.00	-14.34	



Note:

- (1) EUT Orthogonal Axis:
"X" - denotes Laid on Table; "Y" - denotes Vertical Stand; "Z" - denotes Side Stand.
- (2) Data of measurement within this frequency range shown "*" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) The EUT can't be operated in the standby mode and it's always keep continuously receiving.

Medium access protocol

9.2 Applied procedures / limit

A medium access protocol is a mechanism designed to facilitate spectrum sharing with other devices in a wireless network.

A medium access protocol shall be implemented by the equipment.

9.2.1 TEST RESULTS

The EUT is accord with medium access protocol.

APPENDIX-PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS



Photo 1



Photo 2



Photo 3



Photo 4

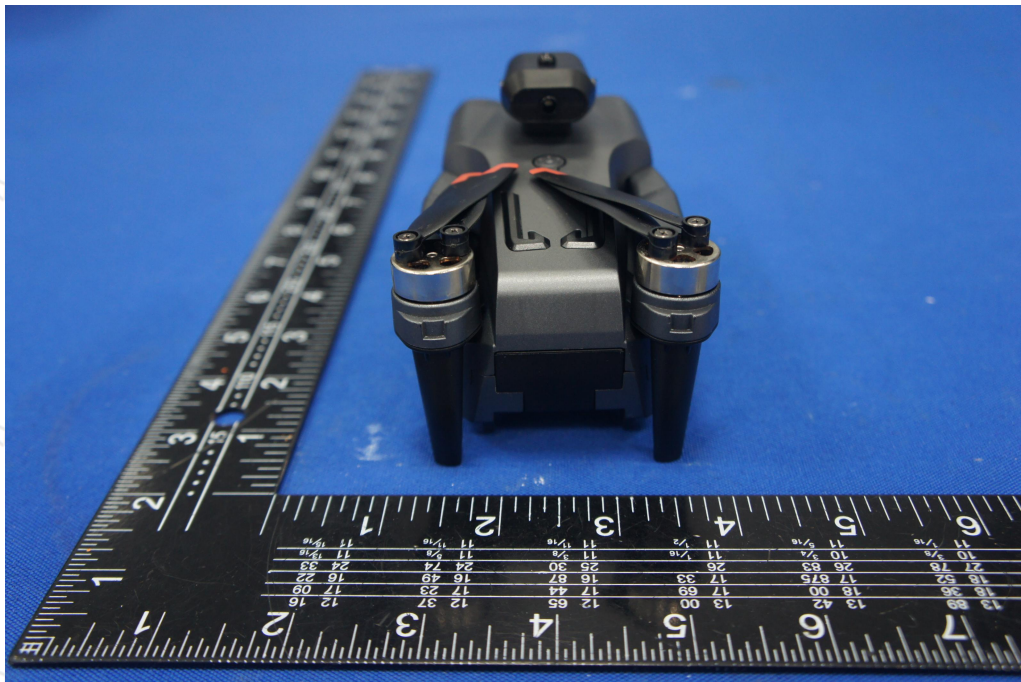


Photo 5



Photo 6



Photo 7



Photo 8

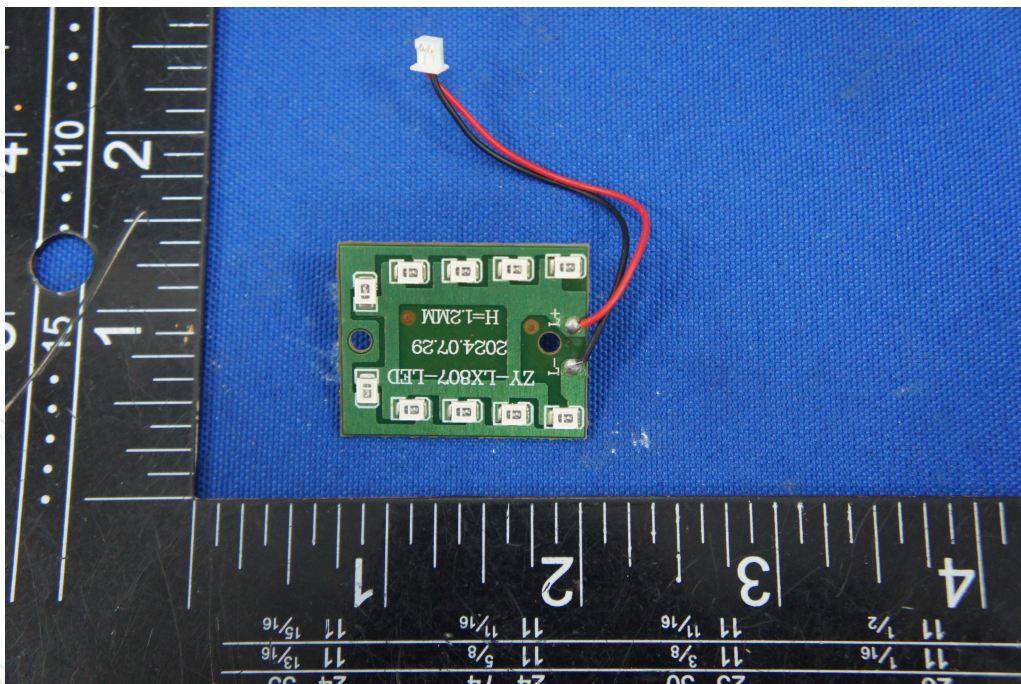


Photo 9

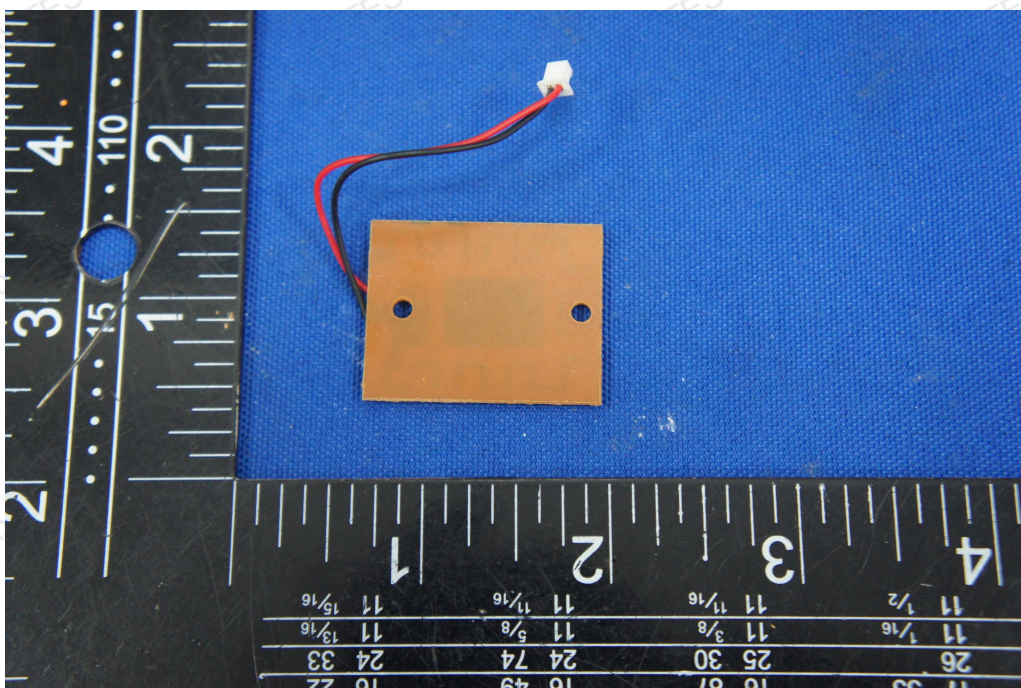


Photo 10

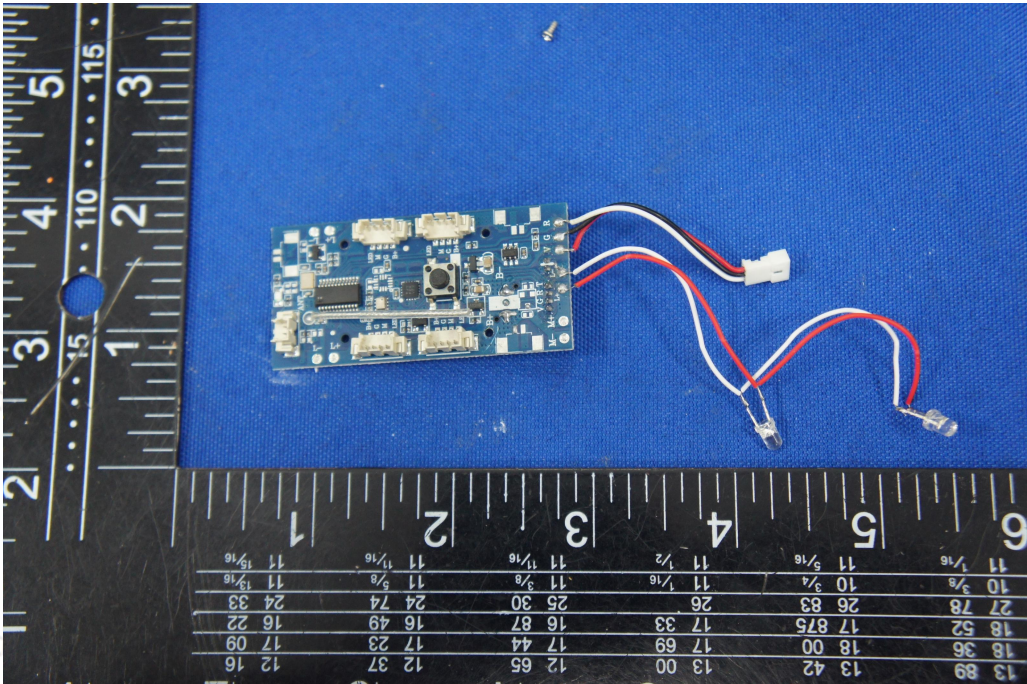


Photo 11

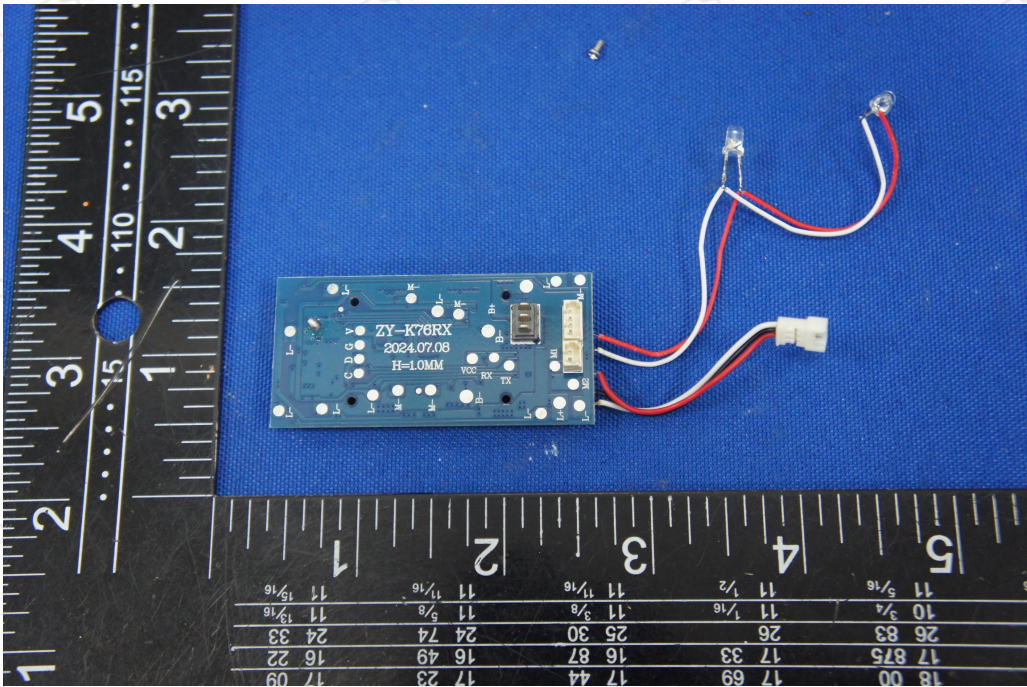


Photo 12

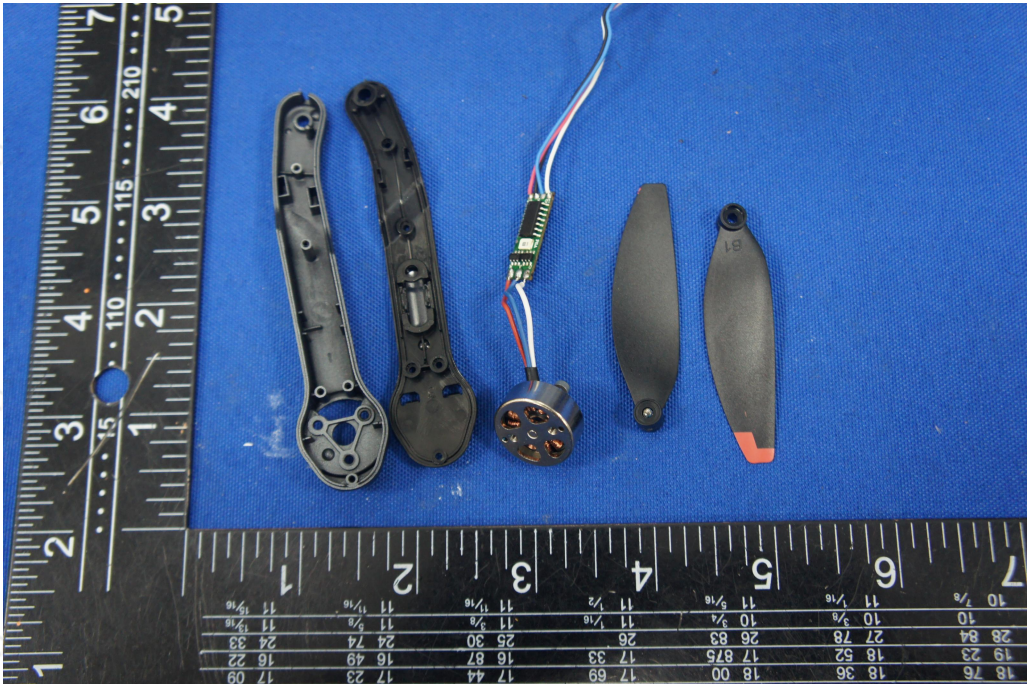


Photo 13



Photo 14

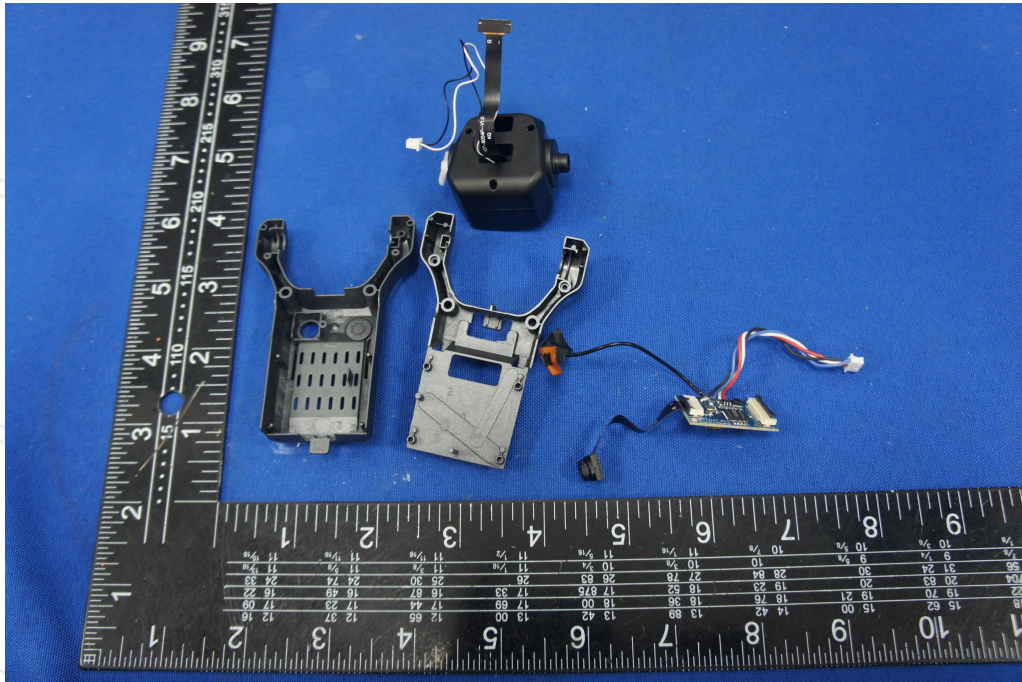


Photo 15



Photo 16

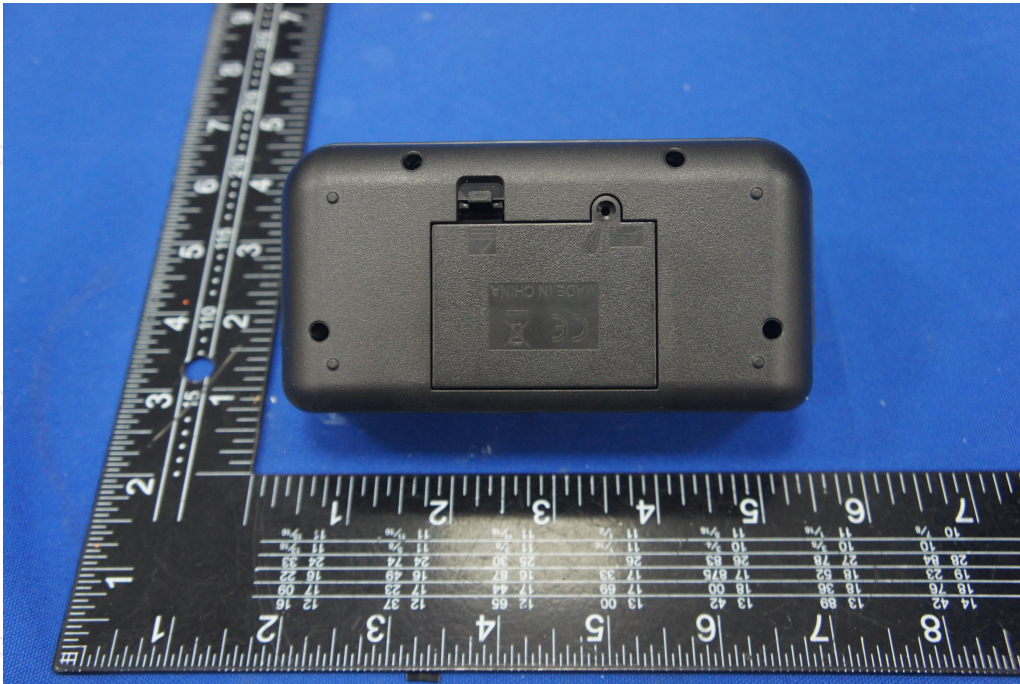


Photo 17

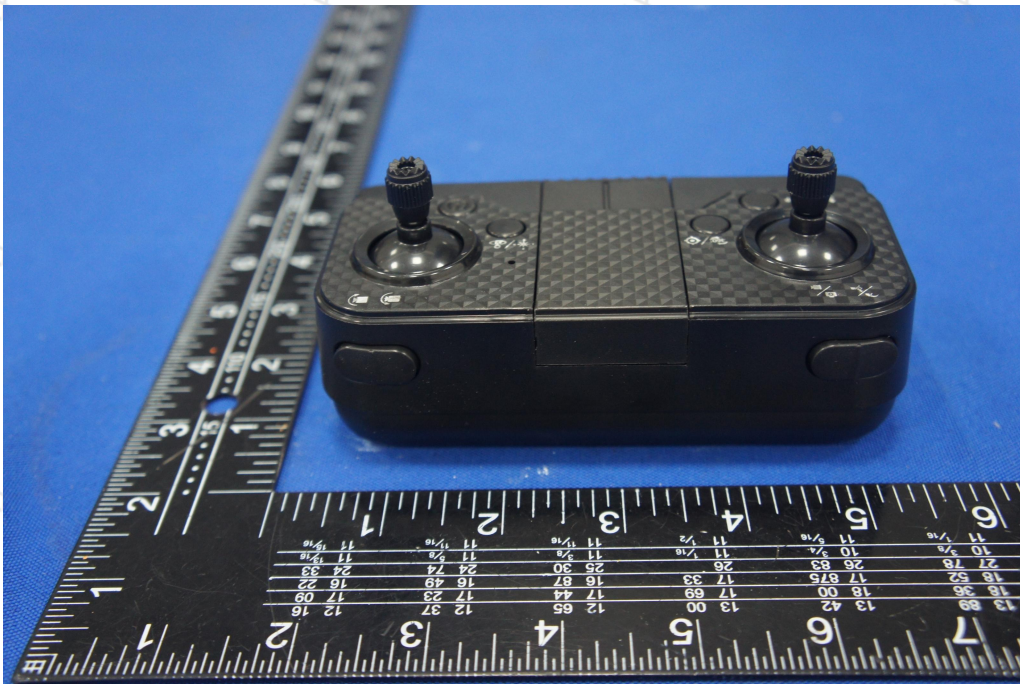


Photo 18

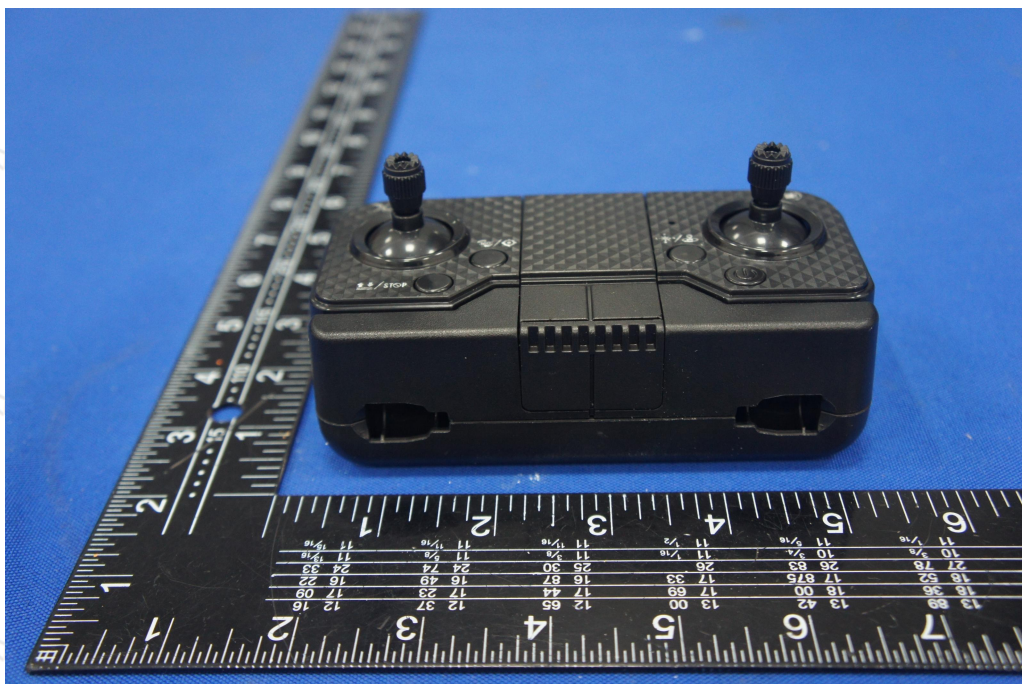


Photo 19

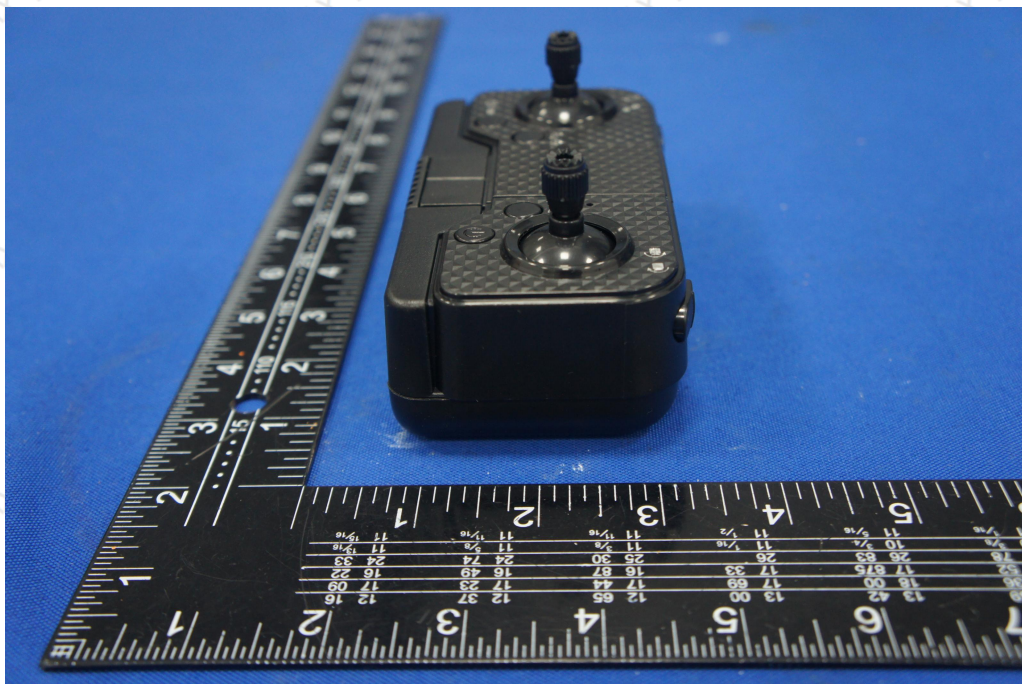


Photo 20

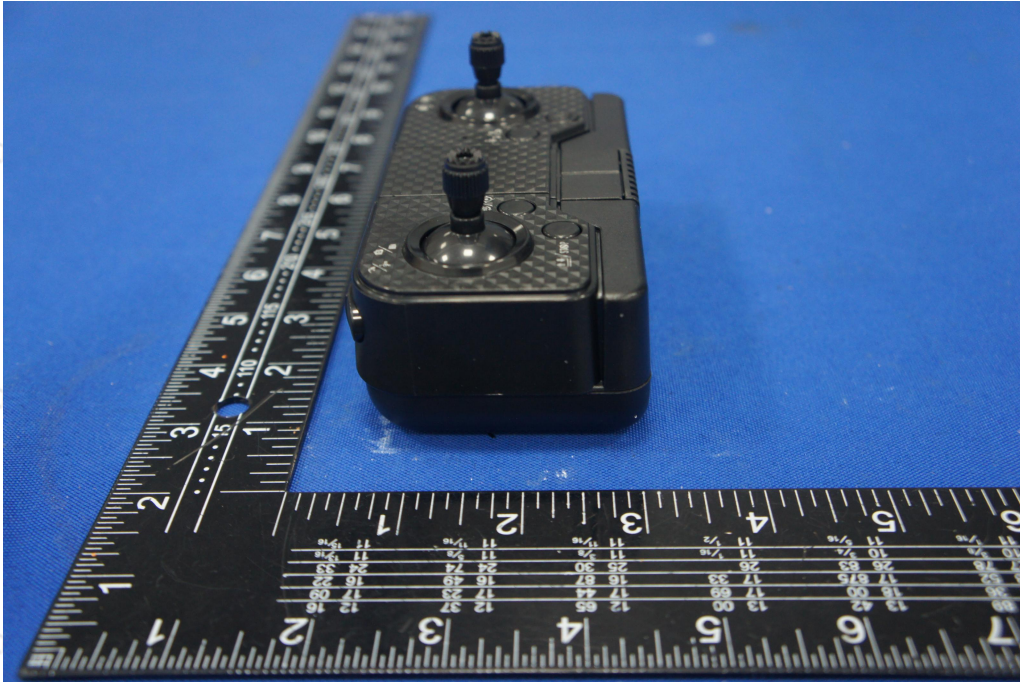


Photo 21

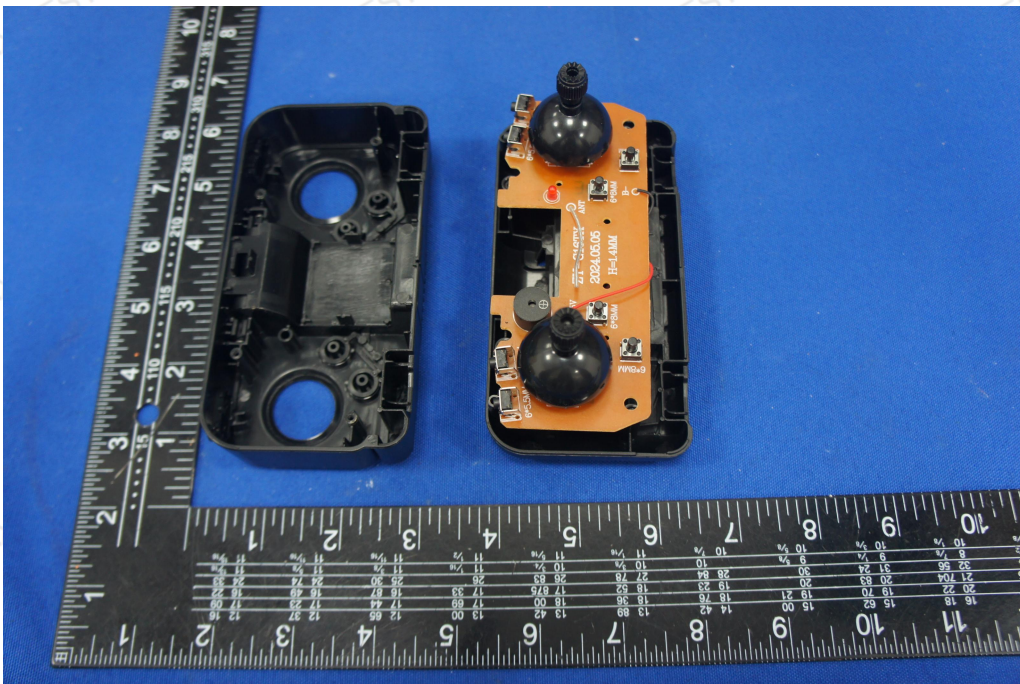


Photo 22

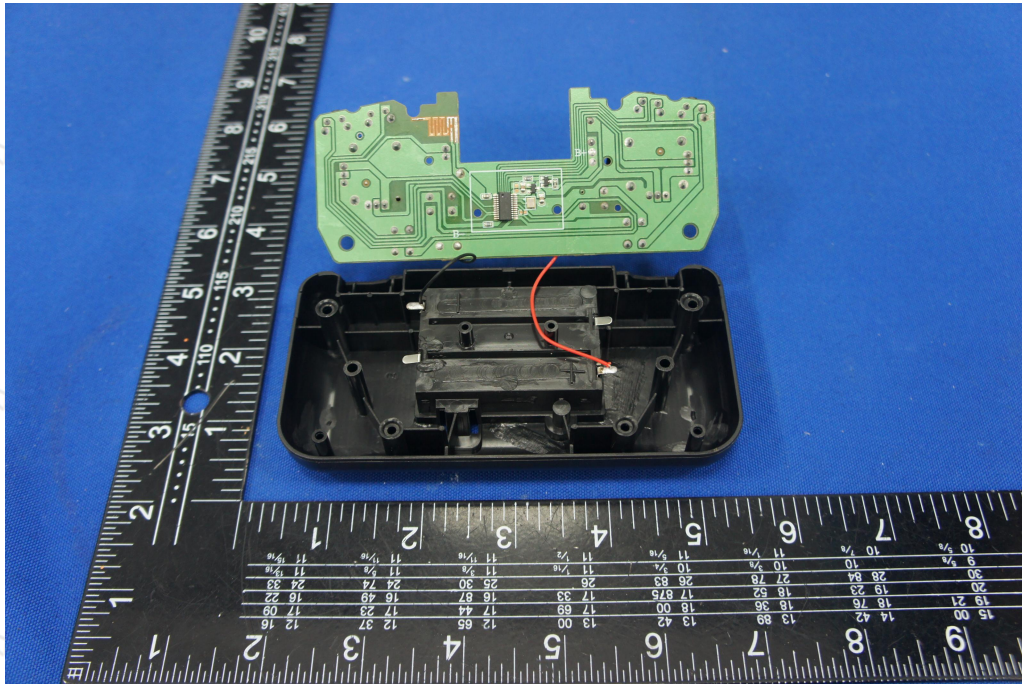


Photo 23

*****THE END*****