FCC Part 15C Test Report
FCC ID: 2BVXP-OPT04

Applicant:	Dreamlily (Shenzhen) E-Commerce Co., Ltd.
Address:	Room 1302, Building T2, Lijincheng Center, Yousong Community, Longhua Street, Longhua District, Shenzhen, 518110, China
Manufacturer:	Dreamlily (Shenzhen) E-Commerce Co., Ltd.
Address:	Room 1302, Building T2, Lijincheng Center, Yousong Community, Longhua Street, Longhua District, Shenzhen, 518110, China
Product Name:	OPT04
Trade Mark:	N/A
Model Number:	OPT04, OPT11
Date of Receipt:	June 03, 2026
Test Date:	June 03, 2026 ~ July 14, 2026
Date of Report:	July 14, 2026
Prepared By:	Shenzhen DL Testing Technology Co., Ltd.
Address:	101-201, Comprehensive Building, Tongzhou Electronics Longgang Factory Area, No.1 Baolong Fifth Road, Baolong Community, Baolong Street, Longgang District, Shenzhen, China
Applicable Standards:	FCC Part15 Subpart C, Section 15.231 ANSI C63.10: 2020
Test Result:	Pass
Report Number:	DLE-260714005R

Prepared by(Engineer):	Ken Tan
Reviewer(Supervisor):	Jack Bu
Approved(Manager):	Jade Yang

This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Shenzhen DL Testing Technology Co., Ltd.

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** Issued History **

Revision	Description	Issued Date	Remark
Revision 1.0	Initial Test Report Release	July 14, 2026	

1 Summary

1.1 Test Procedures and Results

Standard Section	Test Item	Result
15.203	Antenna Requirement	PASS
15.207	AC Conducted Emission	N/A
15.205/15.209/15.231(b)	Spurious Emission	PASS
15.231(c)	20dB Occupied Bandwidth	PASS
15.231(a)	Deactivation Testing	PASS

Note:

1. PASS: Test item meets the requirement.
2. Fail: Test item does not meet the requirement.
3. N/A: Test case does not apply to the test object.
4. The test result judgment is decided by the limit of test standard.

1.2 Information of the Test Laboratory

Shenzhen DL Testing Technology Co., Ltd.
Add: 101-201, Comprehensive Building, Tongzhou Electronics Longgang Factory Area, No.1 Baolong Fifth Road, Baolong Community, Baolong Street, Longgang District, Shenzhen, China
Designation No: CN1307

1.3 Measurement Uncertainty

The reported uncertainty of measurement y ± U, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	Conducted Emission Test	±2.56dB
2	RF power, conducted	±0.42dB
3	Spurious emissions, conducted	±2.76dB
4	All emissions, radiated(<1G)	±3.65dB
5	All emissions, radiated(>1G)	±4.89dB
6	Temperature	±0.5°C
7	Humidity	±2%
8	6dB Bandwidth	±0.2MHz
9	Power Spectral Density	±0.3dBm

2 General Information

2.1 Description of Device (EUT)

Product Name:	OPT04	
Model No.:	OPT04	
Series Model(s):	OPT11	
Model Difference:	All model's the function, software and electric circuit are the same, only with product accessories, appearance and model named different. Test sample model: OPT04.	
Power Supply:	DC3V from Battery	
Firmware Version	V1.0	
Hardware Version	V1.0	
Product Description:	Operation Frequency:	315MHz
	Number of Channel:	1 Channels
	Modulation Type:	ASK
	Antenna Type:	PCB Antenna
	Antenna Gain:	-2dBi

Remark:

1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2) Antenna gain Refer to the antenna specifications.
3) The cable loss data is obtained from the supplier.
4) The test results in the report only apply to the tested sample.

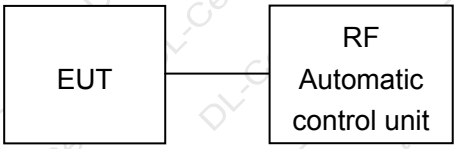
2.2 List of Channels

Channel	Frequency (MHz)	Note (Modulation Type)
01	315	ASK

2.3 Description of Test Setup

Operation of EUT during Radiation testing:

Operation of EUT during RF Conducted testing:



The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. The worst case is X position.

2.4 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	Trade Mark	Model Name	Specification	Remark
1	OPT04	N/A	OPT04	N/A	EUT

Note:
1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
3. For conducted measurements (20dB Bandwidth, Transmission Time, Duty Cycle), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

3 Test Equipment List

Radiation test, Band-edge test and 6db bandwidth test equipment

Item	Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
1	Spectrum Analyzer (9kHz-26.5GHz)	Agilent	E4408B	MY50140780	Oct. 25, 2025	Oct. 24, 2026
2	Test Receiver (9kHz-7GHz)	R&S	ESRP7	101393	Oct. 25, 2025	Oct. 24, 2026
3	Bilog Antenna (30MHz-1GHz)	R&S	VULB9162	00306	Oct. 25, 2025	Oct. 24, 2026
4	Horn Antenna (1GHz-18GHz)	Schwarzbeck	BBHA9120D	02139	Oct. 25, 2025	Oct. 24, 2026
5	Horn Antenna (18GHz-40GHz)	A.H. Systems	SAS-574	588	Oct. 25, 2025	Oct. 24, 2026
6	Amplifier (9KHz-6GHz)	Schwarzbeck	BBV9743B	00153	Oct. 25, 2025	Oct. 24, 2026
7	Amplifier (1GHz-18GHz)	EMEC	EM01G8GA	00270	Oct. 25, 2025	Oct. 24, 2026
8	Amplifier (18GHz-40GHz)	Quanjuda	DLE-161	97	Oct. 25, 2025	Oct. 24, 2026
9	Loop Antenna (9KHz-30MHz)	Schwarzbeck	FMZB1519B	00014	Oct. 25, 2025	Oct. 24, 2026
10	RF cables1 (9kHz-1GHz)	ChengYu	966	004	Oct. 25, 2025	Oct. 24, 2026
11	RF cables2 (1GHz-40GHz)	ChengYu	966	003	Oct. 25, 2025	Oct. 24, 2026
12	Antenna connector	Florida RF Labs	N/A	RF 01#	Oct. 25, 2025	Oct. 24, 2026
13	Power probe	KEYSIGHT	U2021XA	MY55210018	Oct. 25, 2025	Oct. 24, 2026
14	Signal Analyzer 9kHz-26.5GHz	Agilent	N9020A	MY55370280	Oct. 25, 2025	Oct. 24, 2026
15	Test Receiver 20kHz-40GHz	R&S	ESU 40	100376	Oct. 25, 2025	Oct. 24, 2026
16	D.C. Power Supply	LongWei	PS-305D	010964729	Oct. 25, 2025	Oct. 24, 2026

Conduction Test equipment

Item	Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
1	843 Shielded Room	ChengYu	843 Room	843	Nov. 05, 2023	Nov. 04, 2026
2	EMI Receiver	R&S	ESR	101421	Oct. 25, 2025	Oct. 24, 2026
3	LISN	R&S	ENV216	102417	Oct. 25, 2025	Oct. 24, 2026
4	843 Cable 1#	ChengYu	CE Cable	001	Oct. 25, 2025	Oct. 24, 2026

Other

Item	Name	Manufacturer	Model	Software version
1	EMC Conduction Test System	FALA	EZ_EMC	EMC-CON 3A1.1
2	EMC radiation test system	FALA	EZ_EMC	FA-03A2
3	RF test system	MAIWEI	MTS8310	2.0.0.0
4	RF communication test system	MAIWEI	MTS8200	2.0.0.0

4 AC Conducted Emission Test

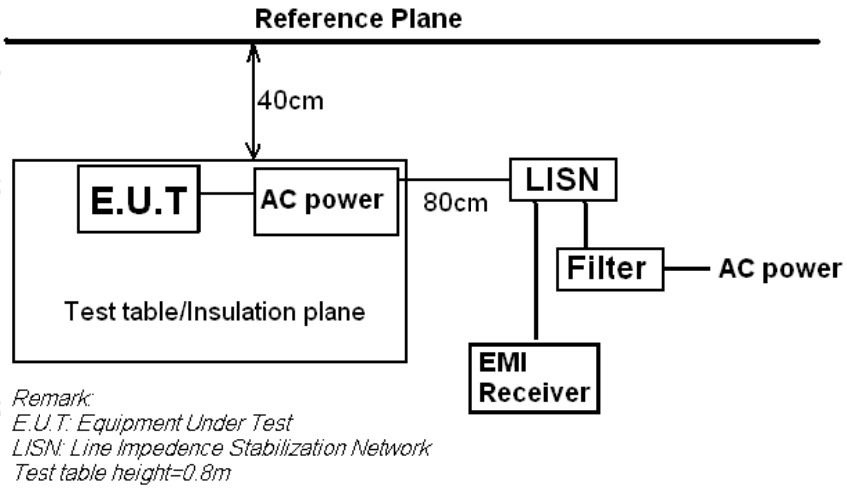
4.1 AC Conducted Power Line Emission Limit

For unintentional device, according to § 15.107(a) Line Conducted Emission Limits is as following

Frequency (MHz)	Maximum RF Line Voltage (dBμV)			
	CLASS A		CLASS B	
	Q.P.	Ave.	Q.P.	Ave.
0.15 - 0.50	79	66	66-56*	56-46*
0.50 - 5.00	73	60	56	46
5.00 - 30.0	73	60	60	50

* Decreasing linearly with the logarithm of the frequency
For intentional device, according to §15.207(a) Line Conducted Emission Limit is same as above table.

4.2 Test Setup



4.3 Test Procedure

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10.
2. Support equipment, if needed was placed as per ANSI C63.10.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
4. If a EUT received DC power from the USB Port of Notebook PC, the PC's adapter received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
5. All support equipments received AC power from a second LISN, if any.
6. The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.

4.4 Test Data

Not applicable.

Note: EUT power supply by DC Powered, so this test item not applicable.

5 Radiated Emissions

5.1 Standard Applicable

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

Fundamental Frequency (MHz)	Field Strength of Fundamental (microvolts/meter)	Field Strength of Spurious Emissions (microvolts/meter)
40.66 - 40.70	2,250	225
70 - 130	1,250	125
130 - 174	1,250 to 3,750 **	125 to 375 **
174 - 260	3,750	375
260 - 470	3,750 to 12,500 **	375 to 1,250 **
Above 470	12,500	1,250

** linear interpolations

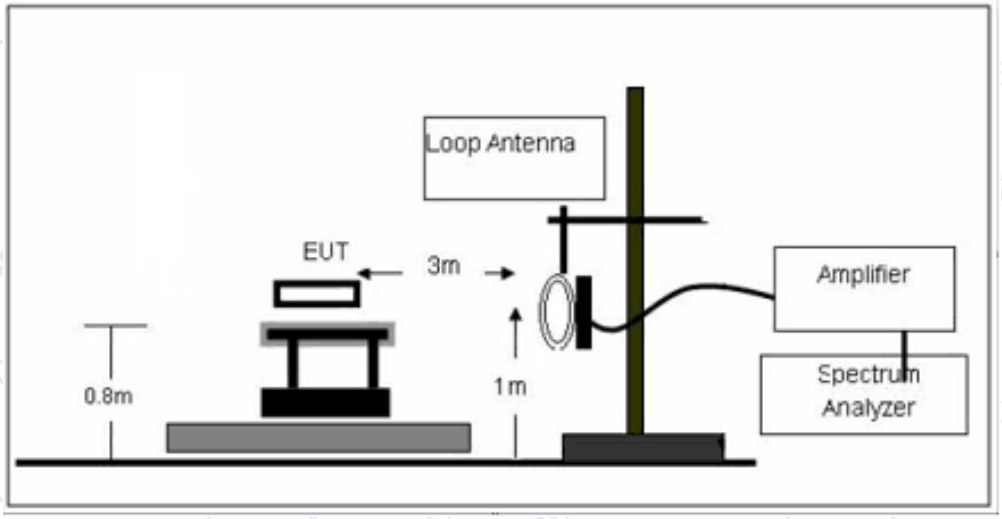
The limits on the field strength of the spurious emissions in the above table are based on the fundamental frequency of the intentional radiator. Spurious emissions shall be attenuated to the average (or, alternatively, CISPR quasi-peak) limits shown in this table or to the general limits shown in §15.209,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

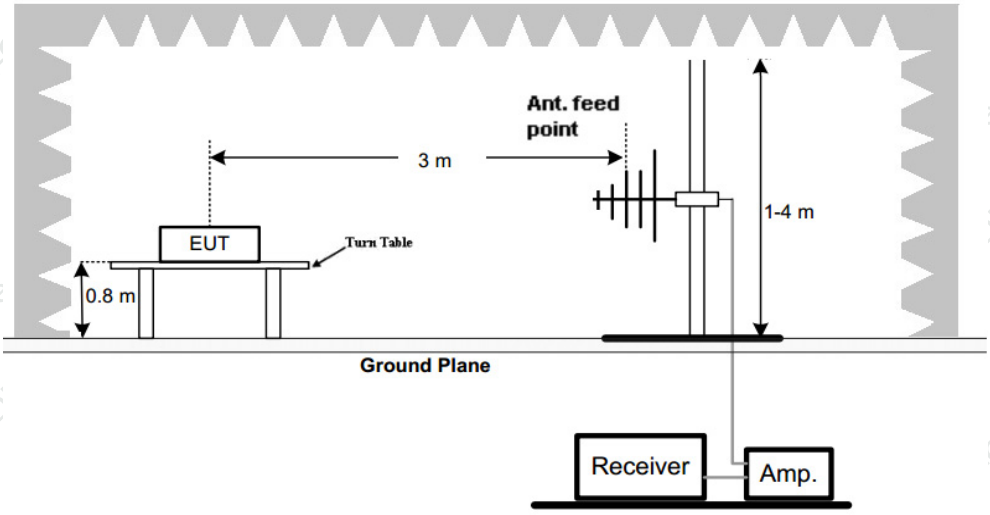
The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply. Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

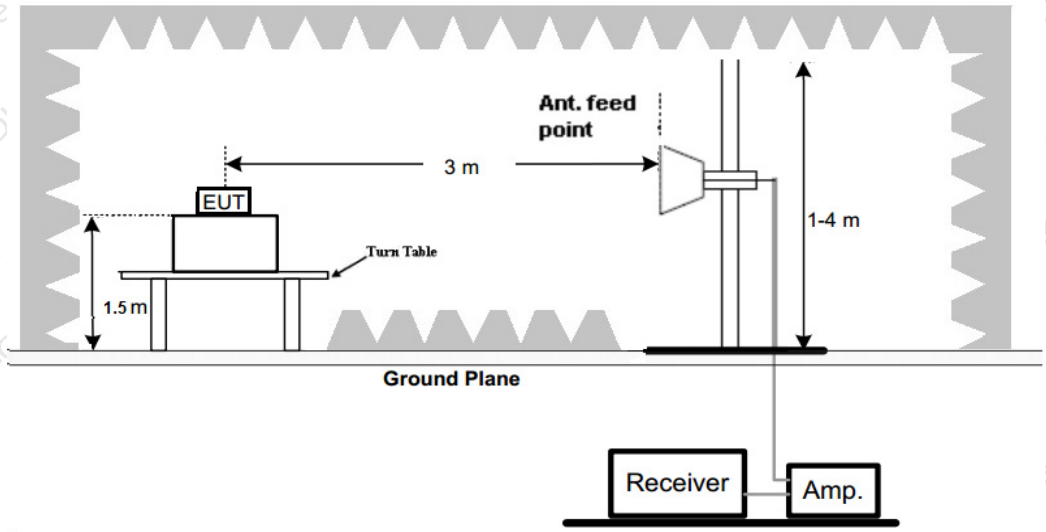
Compliance with the provisions of §15.205 shall be demonstrated using the measurement instrumentation specified in that section.

5.2 Test Procedure

The setup of EUT is according with per ANSI C63.10 measurement procedure. The specification used was with the FCC Part 15.205 15.231(b) and FCC Part 15.209 Limit.


Loop Antenna
EUT
3m
Amplifier
0.8m
1 m
Spectrum Analyzer


Ant. feed point
3 m
1-4 m
EUT
Turn Table
0.8 m
Ground Plane
Receiver
Amp.


Ant. feed point
3 m
1-4 m
EUT
Turn Table
1.5 m
Ground Plane
Receiver
Amp.

5.3 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

Corr. Ampl. = Indicated Reading + Ant. Loss + Cab Loss – Ampl. Gain

The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -6dBμV means the emission is 6dBμV below the maximum limit. The equation for margin calculation is as follows:

Margin = Corr. Ampl. – FCC Part 15C Limit

5.4 Environmental Conditions

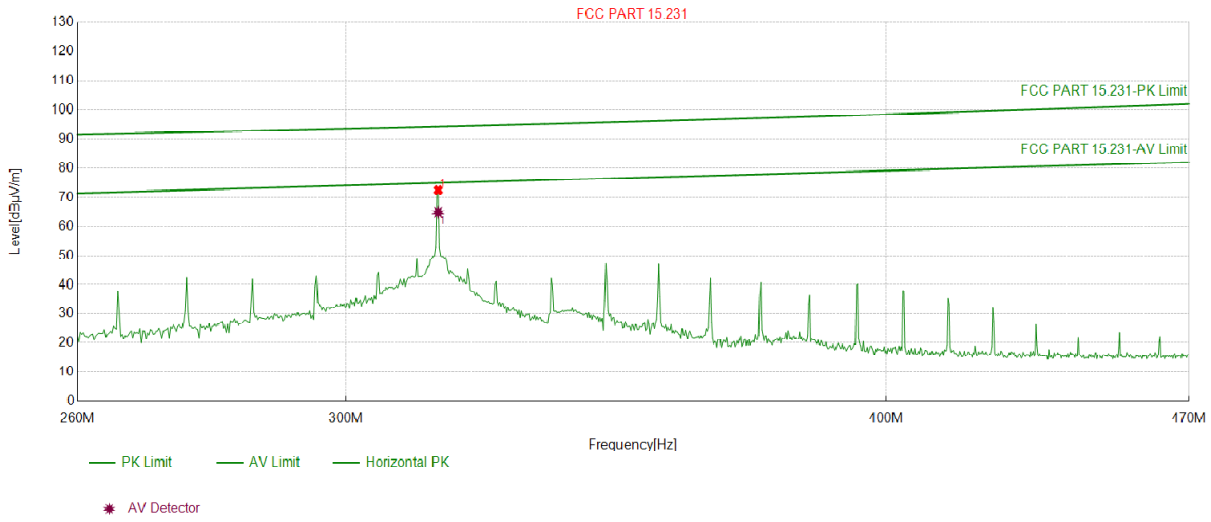
Temperature:	21℃
Relative Humidity:	50%
ATM Pressure:	1011 mbar

5.5 Test Data

According to the data below, the FCC Part 15.205, 15.209 and 15.231 standards, and had the worst margin of:

Note: this EUT was tested in 3 orthogonal positions and the worst case position data was reported.

(Fundamental 315MHz)
Antenna polarity: Horizontal

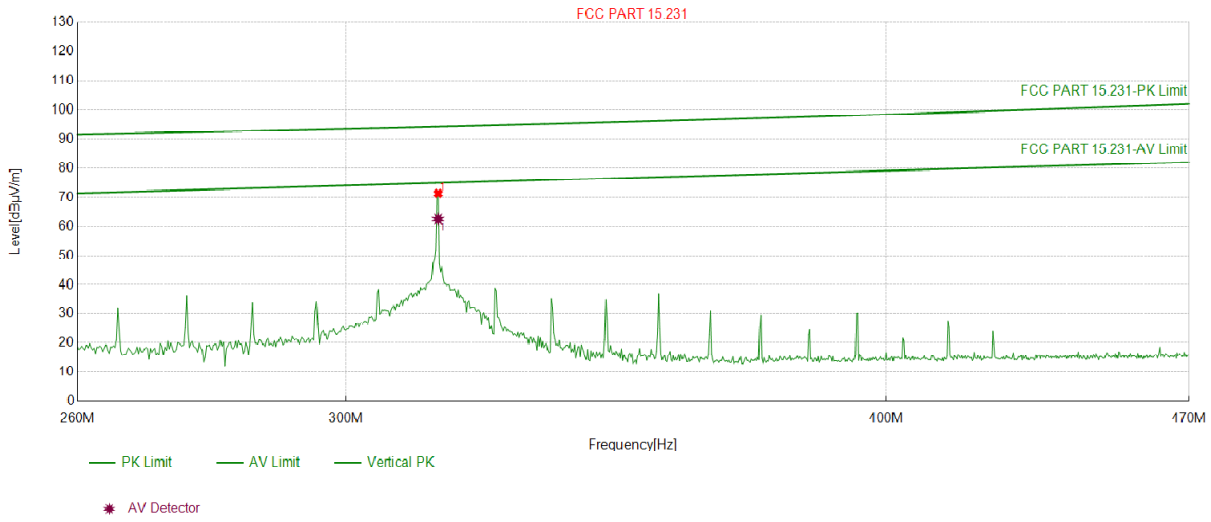


Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	315.075	84.20	72.48	-11.72	94.22	21.74	100	117	Horizontal

AV Final Data List								
NO	Freq. [MHz]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	315.075	-11.72	64.83	74.87	10.04	100	117	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

Antenna polarity: Vertical



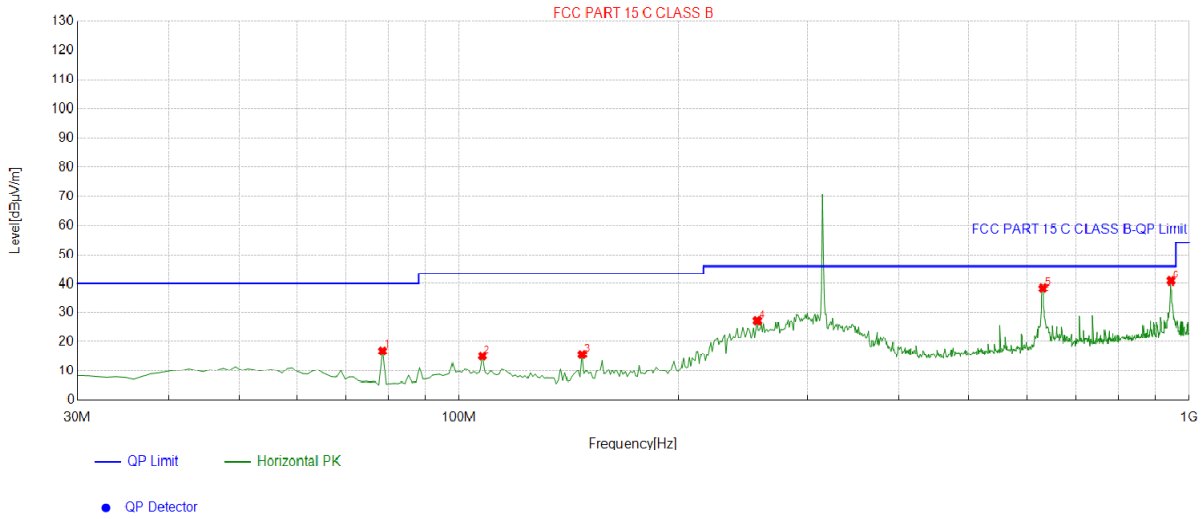
Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	315.075	83.02	71.30	-11.72	94.22	22.92	100	128	Vertical

AV Final Data List								
NO	Freq. [MHz]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	315.075	-11.72	62.53	74.87	12.34	100	128	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

Below 1GHz Test Results

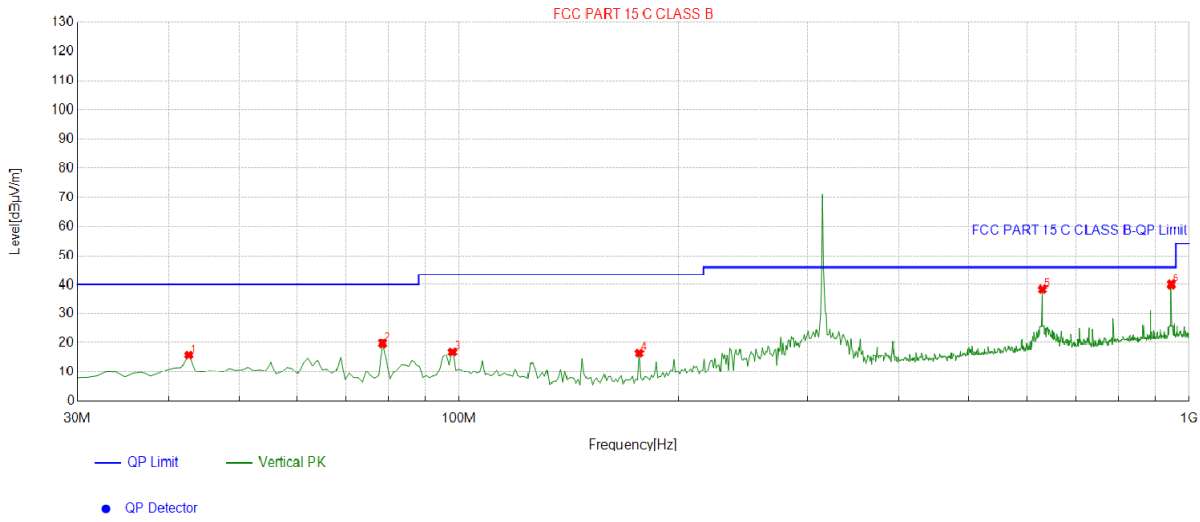
Antenna polarity: Horizontal



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	78.549	-18.68	35.62	16.94	40.00	23.06	100	0	Horizontal
2	107.678	-14.52	29.69	15.17	43.50	28.33	100	82	Horizontal
3	147.487	-18.28	33.97	15.69	43.50	27.81	100	93	Horizontal
4	256.236	-12.89	40.23	27.34	46.00	18.66	100	114	Horizontal
5	631.031	-5.03	43.46	38.43	46.00	6.30	100	358	Horizontal
6	944.655	-1.00	41.97	40.97	46.00	5.03	100	89	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

Antenna polarity: Vertical



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	42.623	-13.03	28.88	15.85	40.00	24.15	100	121	Vertical
2	78.549	-18.68	38.58	19.90	40.00	20.10	100	113	Vertical
3	97.968	-14.83	31.76	16.93	43.50	26.57	100	167	Vertical
4	176.617	-16.66	33.19	16.53	43.50	26.97	100	146	Vertical
5	630.060	-5.05	43.46	38.41	46.00	7.59	100	204	Vertical
6	945.626	-1.00	41.13	40.13	46.00	5.87	100	174	Vertical

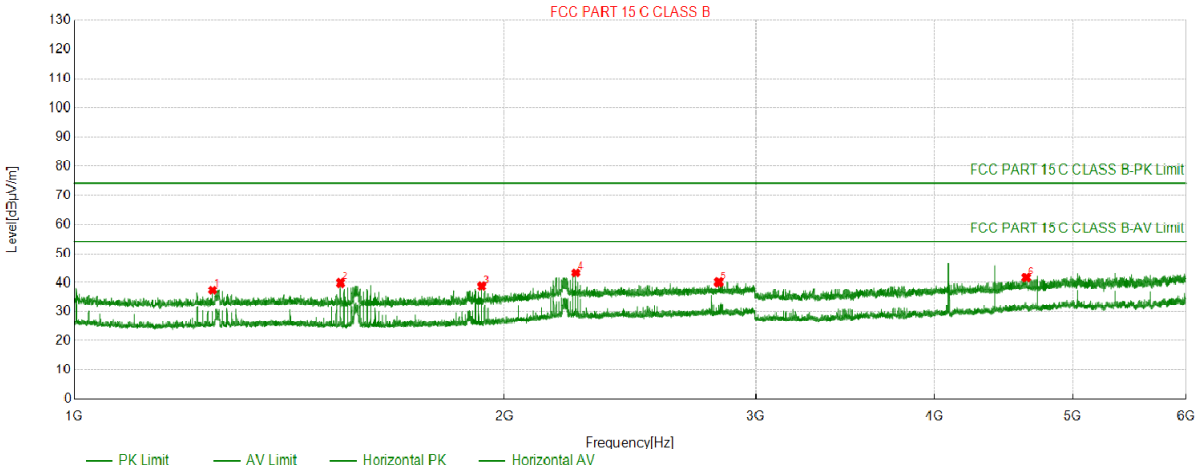
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

Above 1GHz Test Results

All the test modes completed for test. Only the worst result was reported as below:

For 1GHz to 6GHz

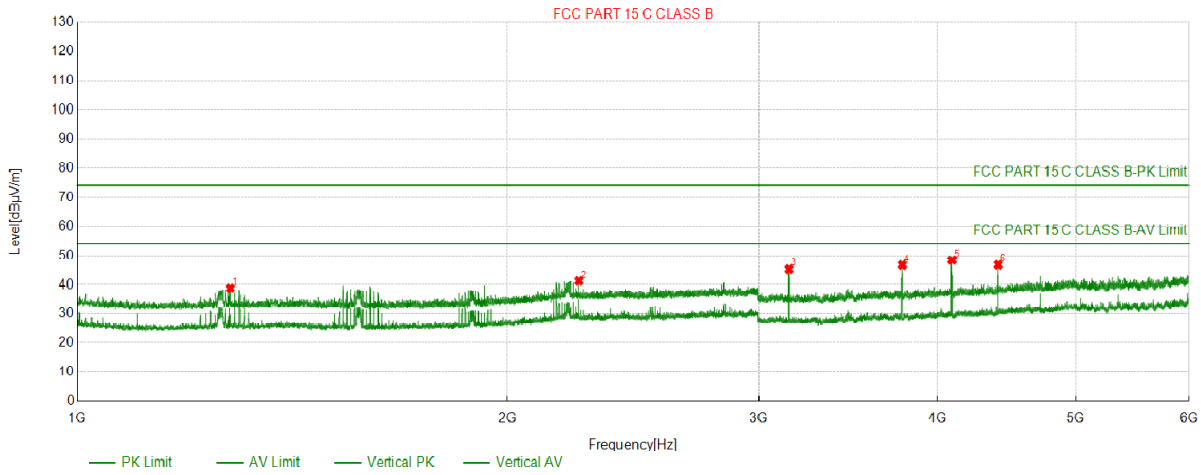
Antenna polarity: Horizontal



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1250.025	56.09	37.49	-18.60	74.00	36.51	150	39	Horizontal
2	1535.454	58.50	39.97	-18.53	74.00	34.03	150	94	Horizontal
3	1928.893	56.14	38.78	-17.36	74.00	35.22	150	94	Horizontal
4	2244.524	58.18	43.40	-14.78	74.00	30.60	150	356	Horizontal
5	2825.383	53.72	40.21	-13.51	74.00	33.79	150	66	Horizontal
6	4638.464	53.06	41.67	-11.39	74.00	32.33	150	292	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

Antenna polarity: Vertical



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1279.628	57.28	38.78	-18.50	74.00	35.22	150	228	Vertical
2	2244.524	56.05	41.27	-14.78	74.00	32.73	150	19	Vertical
3	3149.415	60.46	45.39	-15.07	74.00	28.61	150	93	Vertical
4	3780.078	60.74	46.78	-13.96	74.00	27.22	150	103	Vertical
5	4095.110	61.60	48.41	-13.19	74.00	25.59	150	4	Vertical
6	4410.741	59.09	46.84	-12.25	74.00	27.16	150	8	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

6 20dB Occupied Bandwidth Test

6.1 Standard Applicable

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

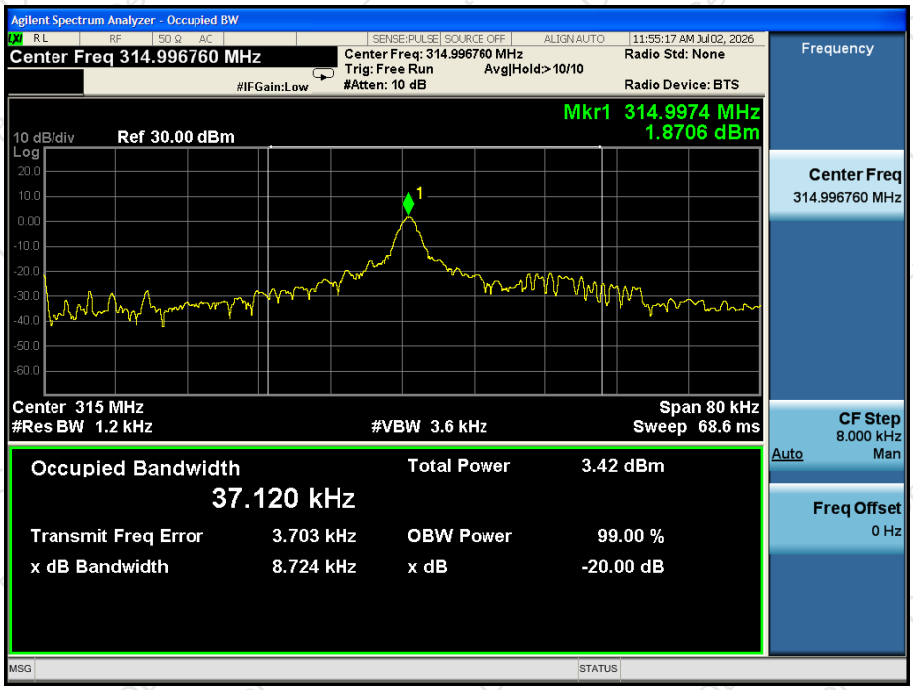
6.2 Test Procedure

With the EUT's antenna attached, the EUT's 20dB Bandwidth power was received by the test antenna, which was connected to the spectrum analyzer with the START, and STOP frequencies set to the EUT's operation band.

Temperature:	21℃
Relative Humidity:	52%
ATM Pressure:	1011 mbar

6.3 Test Data

Freq. (MHz)	Modulation Type	Bandwidth (kHz)	Limit (kHz)	Results
315	ASK	8.724	<787.5	PASS



7 Transmission Time

7.1 Standard Applicable

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

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

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

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

7.2 Test Procedure

With the EUT's antenna attached, the EUT's output signal was received by the test antenna, which was connected to the spectrum analyzer. Set the center frequency to 315MHz, than set the spectrum analyzer to Zero Span for the release time reading. During the testing, the switch was released then the EUT automatically deactivated.

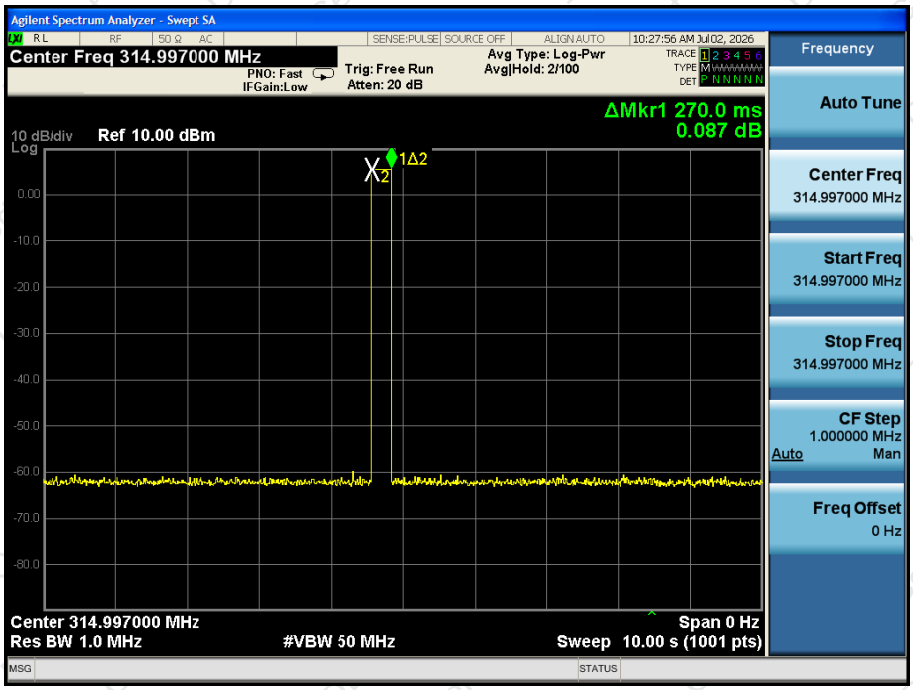
7.3 Environmental Conditions

Temperature:	20℃
Relative Humidity:	52%
ATM Pressure:	1011 mbar

7.4 Test Data

Transmission Type	Test Frequency MHz	Transmission Time seconds	Limit s	Result
Manually	315	0.27	5	PASS

Please refer the following plot.



8 Duty Cycle

8.1 Standard Applicable

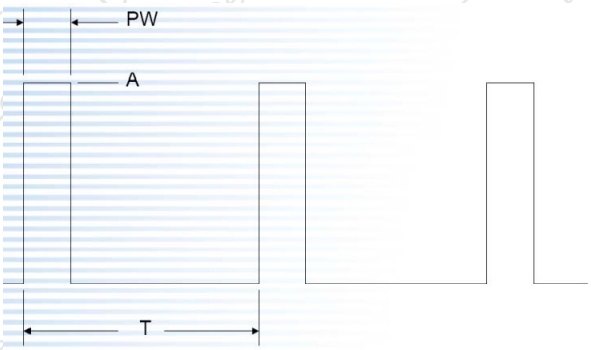
According to FCC Part 15.231(b)(2) and 15.35 (c),For pulse operation transmitter, the averaging pulsed emissions are calculated by peak value of measured emission plus duty cycle factor.

8.2 Test Procedure

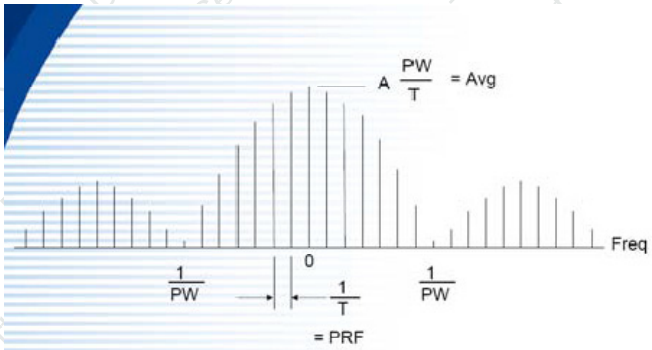
1) The EUT was placed on a turntable which is 0.8m above ground plane.
2) Set EUT operating in continuous transmitting mode
3) Set Test Receiver into spectrum analyzer mode, Tune the spectrum analyzer to the transmitter carrier frequency, and set the spectrum analyzer resolution bandwidth(RBW) to 1000kHz and video bandwidth(VBW) to 1000kHz, Span was set to 0Hz.
4) The Duty Cycle was measured and recorded.

8.3 Introduction to PDCF Reference

(§15.35 Measurement detector functions and bandwidths.)
1) Part 15 of the FCC Rules provides for the operation of low power communication devices without an individual license (e.g., intrusion detectors, pulsed water tank level gauges, etc.), subject to certain requirements. Some of these devices use extremely narrow pulses to generate wideband emissions, which are measured to determine compliance with the rules. These measurements are typically performed with a receiver or spectrum analyzer. Depending on a number of factors (e.g., resolution bandwidth, pulse width, etc.), the spectrum analyzer may not always display the true peak value of the measured emission. This effect, called “pulse desensitization,” relates to the capabilities of the measuring instrument. For the measurement and reporting of the true peak of pulsed emissions, it may be necessary to apply a “pulse desensitization correction factor” (PDCF) to the measured value, pursuant to 47 CFR 15.35(a).



Periodic Square Pulse



Frequency Spectrum of Periodic Square Pulse

If using spectrum analyzer to measure pulse signal, it have to make sure the RBW use is at least 2/PW. When RBW is less than 2/PW, you are able to measure the true peak level of the pulse signal. If this is the case, PDCF is required to compensate to determine true peak value.
Pulse desensitization:
PW =29250usec (0.6* 13+ 1.65*13), Period=67500usec, Level=A
RBW>2/PW=0.068K, 1/T=0.15K
NOTE: 2 / PW < RBW, first don't need

2) For the actual test, please refer to the ANSI C63.10, Annex C refer to section 5 for more detail

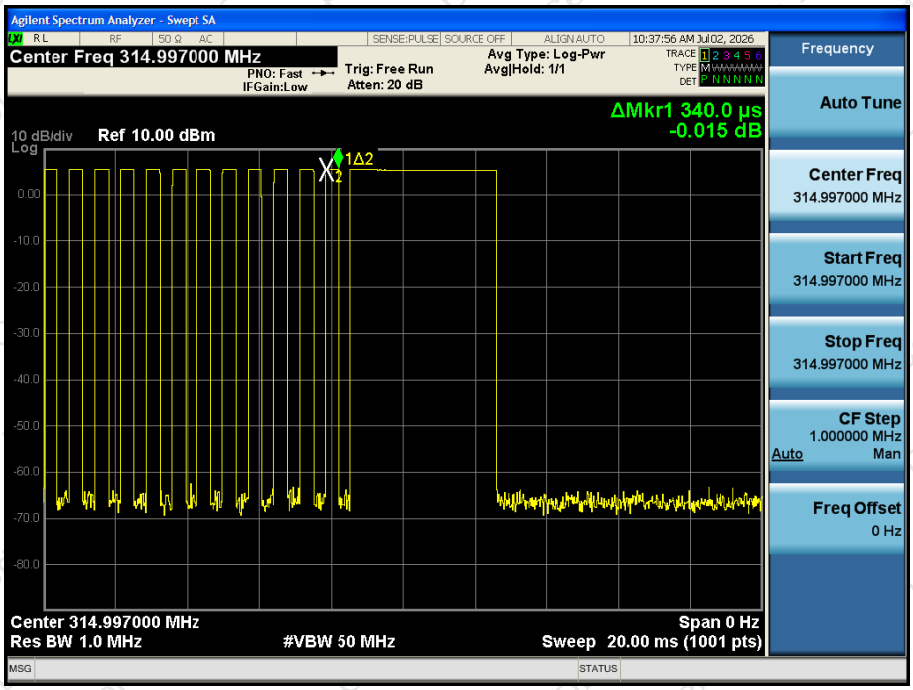
8.4 Test Data

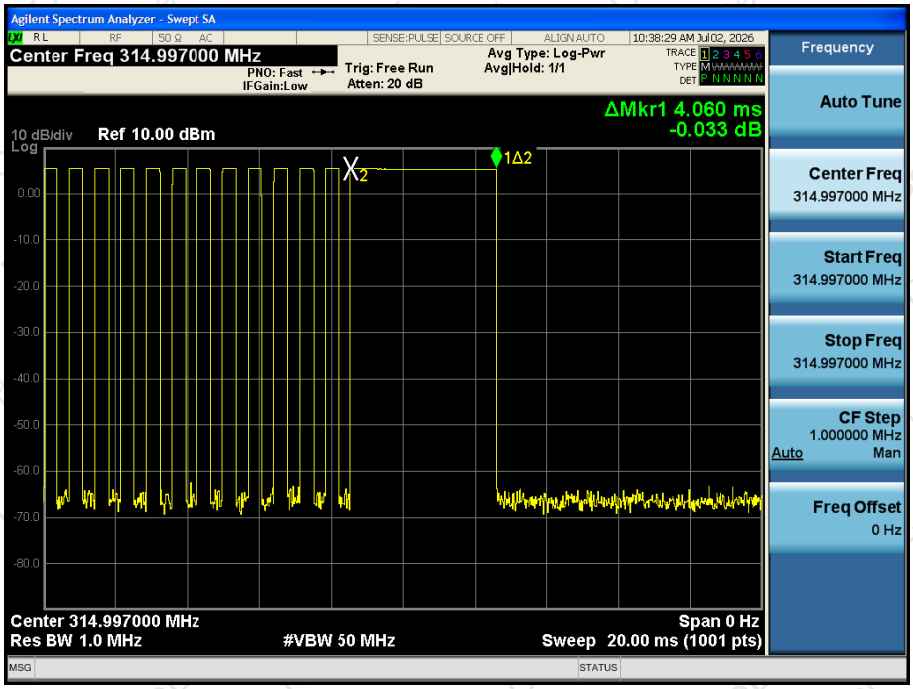
Type of Pulse	Width of Pulse ms	Quantity of Pulse	Transmission Time ms	Total Time(T_{on}) ms
Pulse 1	0.34	81	27.54	31.60
Pulse 2	4.06	1	4.06	

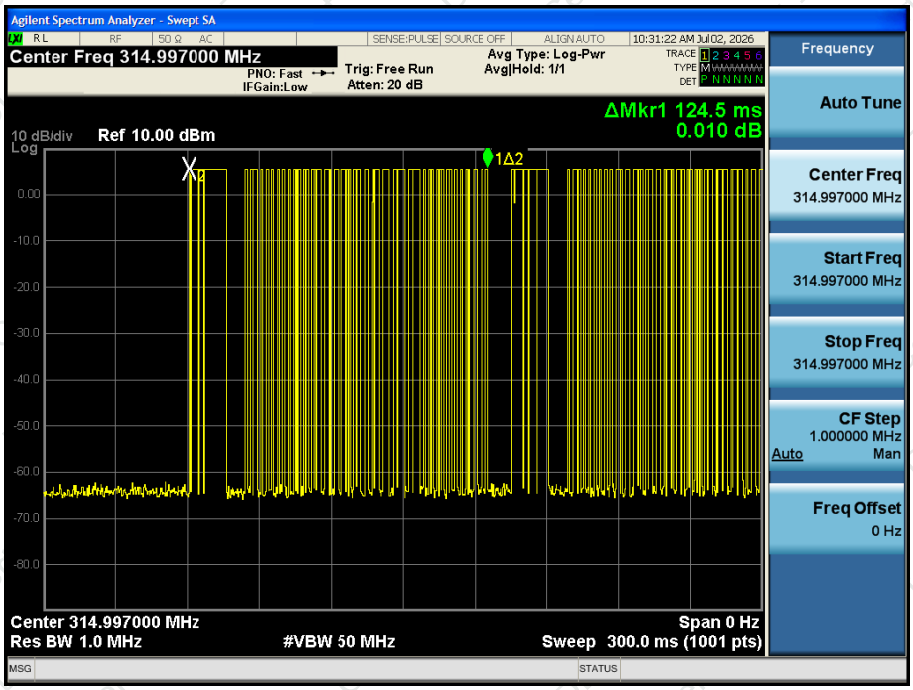
Test Period (T_p) ms	Total Time (T_{on}) ms	Duty Cycle %	Duty Cycle Factor dB
134.7	31.60	23.46	-12.59

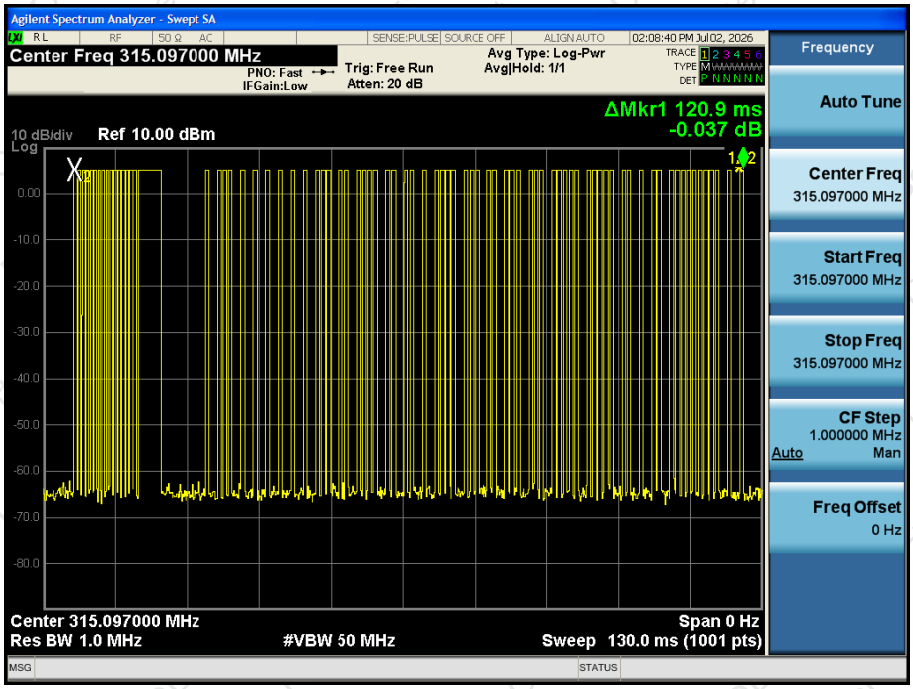
Remark: Duty Cycle Factor=20*log (Duty Cycle)

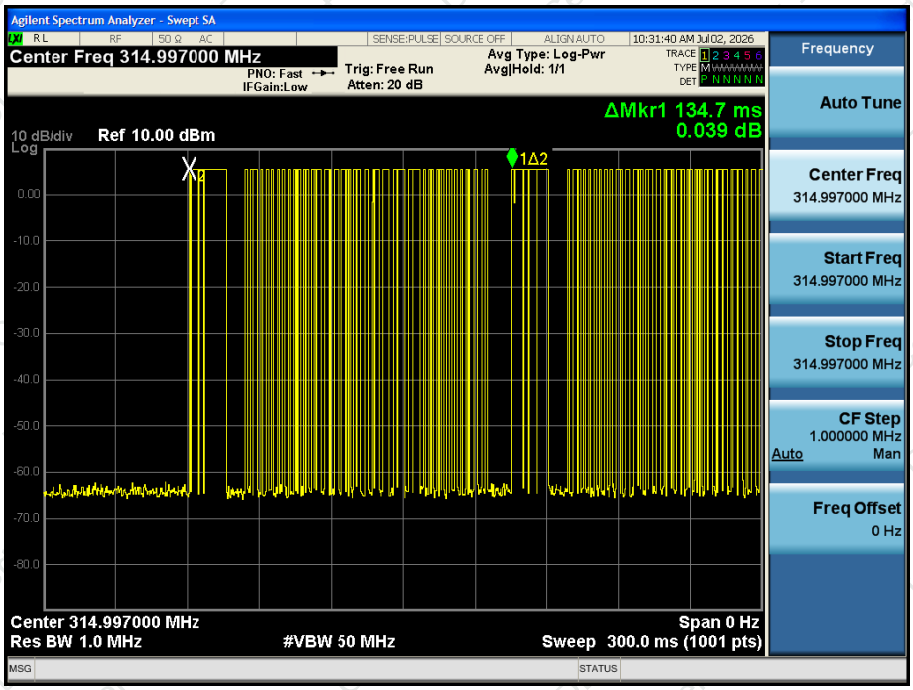
Please refer to the attached test plots


Agilent Spectrum Analyzer - Swept SA
Center Freq 314.997000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 1/1
10:37:56 AM Jul 02, 2026
ΔMkr1 340.0 µs
-0.015 dB
10 dB/div
Ref 10.00 dBm
Center 314.997000 MHz
Res BW 1.0 MHz
#VBW 50 MHz
Span 0 Hz
Sweep 20.00 ms (1001 pts)
Frequency
Auto Tune
Center Freq
314.997000 MHz
Start Freq
314.997000 MHz
Stop Freq
314.997000 MHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 314.997000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 1/1
10:38:29 AM Jul 02, 2026
ΔMkr1 4.060 ms
-0.033 dB
10 dB/div
Ref 10.00 dBm
Center 314.997000 MHz
Res BW 1.0 MHz
#VBW 50 MHz
Span 0 Hz
Sweep 20.00 ms (1001 pts)
Frequency
Auto Tune
Center Freq
314.997000 MHz
Start Freq
314.997000 MHz
Stop Freq
314.997000 MHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 314.997000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 1/1
10:31:22 AM Jul 02, 2026
ΔMkr1 124.5 ms
0.010 dB
10 dB/div
Log
Ref 10.00 dBm
1Δ2
Center 314.997000 MHz
Res BW 1.0 MHz
#VBW 50 MHz
Span 0 Hz
Sweep 300.0 ms (1001 pts)
Frequency
Auto Tune
Center Freq
314.997000 MHz
Start Freq
314.997000 MHz
Stop Freq
314.997000 MHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz

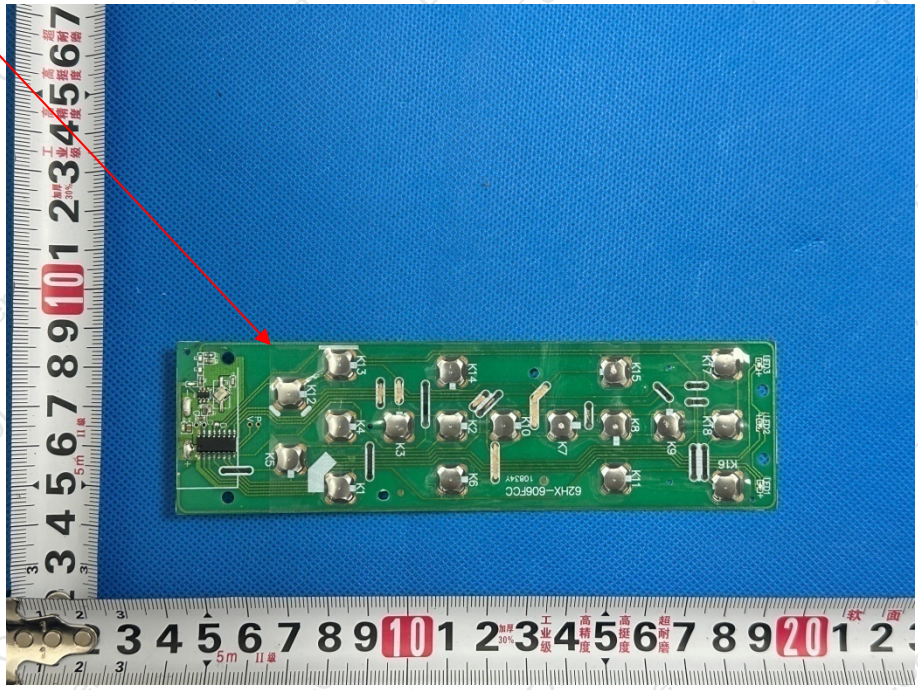

Agilent Spectrum Analyzer - Swept SA
Center Freq 315.097000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 1/1
02:08:40 PM Jul 02, 2026
ΔMkr1 120.9 ms
-0.037 dB
10 dB/div
Log
Ref 10.00 dBm
1Δ2
Center 315.097000 MHz
Res BW 1.0 MHz
#VBW 50 MHz
Span 0 Hz
Sweep 130.0 ms (1001 pts)
Frequency
Auto Tune
Center Freq
315.097000 MHz
Start Freq
315.097000 MHz
Stop Freq
315.097000 MHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 314.997000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 1/1
10:31:40 AM Jul 02, 2026
ΔMkr1 134.7 ms
0.039 dB
10 dB/div
Log
Ref 10.00 dBm
1Δ2
Center 314.997000 MHz
Res BW 1.0 MHz
#VBW 50 MHz
Span 0 Hz
Sweep 300.0 ms (1001 pts)
Frequency
Auto Tune
Center Freq
314.997000 MHz
Start Freq
314.997000 MHz
Stop Freq
314.997000 MHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz

9 Antenna Connected Construction

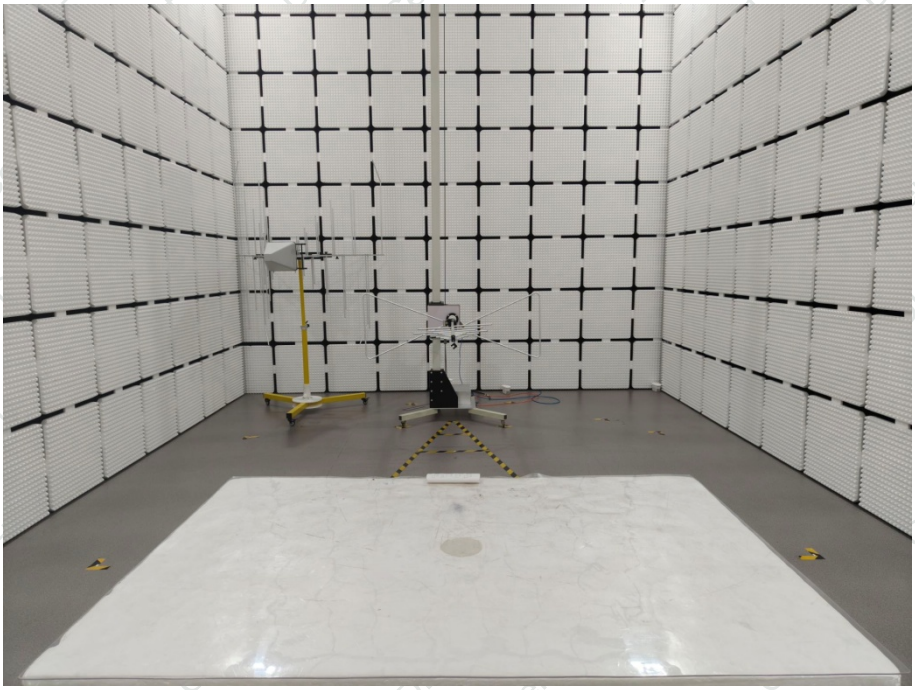
The antenna used in this product is a PCB Antenna, is a permanently attached antenna on the PCB. It conforms to the standard requirements. The directional gains of antenna used for transmitting is -2dBi.

ANTENNA

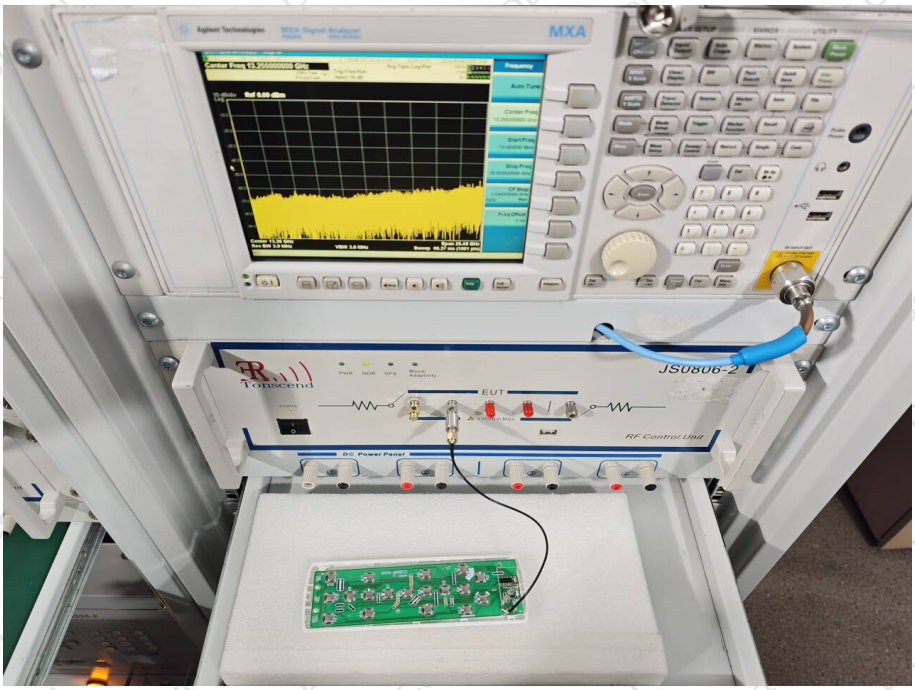


10 Photograph of Test

Radiated Emission



RF Conducted Emission



11 Photos of the EUT

Reference to the report: ANNEX A of external photos and ANNEX B of internal photos

*****End of Report*****