TEST REPORT

Product	:	Rat Riddance Connect
Trade mark	:	Rentokil
Model/Type reference	:	304885
Serial Number	:	N/A
Report Number	:	EED32K00334201
FCC ID	:	2AK3PGSD-500349
Date of Issue	:	Jan. 02, 2019
Test Standards	:	47 CFR Part 15 Subpart C
Test result	:	PASS

Prepared for:

Rentokil Initial 1927 plc
Riverbank, Meadows Business Park, Camberley, GU17 9AB

Prepared by:

Centre Testing International Group Co., Ltd.
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Tested by: Peter — Peter

Compiled by: Tom-chen — Tom-Chen

Reviewed by: Max Liang — Max Liang

Approved by: Kevin yang — Kevin yang

Date: Jan. 02, 2019

Check No.:2447611580

2 Version

Version No.	Date	Description
00	Jan. 02, 2019	Original

3 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15 Subpart C Section 15.203/15.247 (c)	ANSI C63.10-2013	PASS
Conducted Peak Output Power	47 CFR Part 15 Subpart C Section 15.247 (b)(1)	ANSI C63.10-2013	PASS
Radiated Spurious emissions	47 CFR Part 15 Subpart C Section 15.205/15.209	ANSI C63.10-2013	PASS

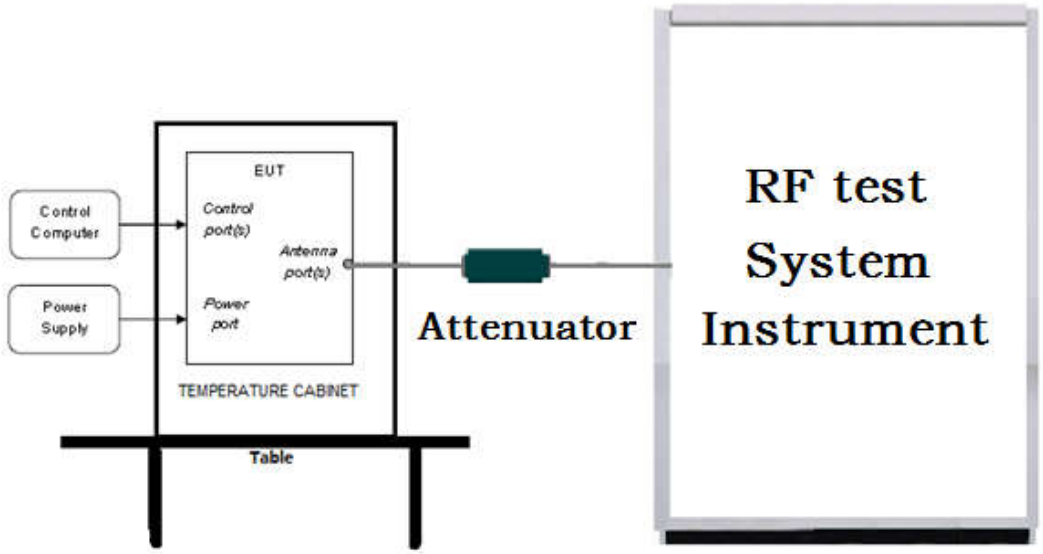
Remark:
Test according to ANSI C63.4-2014 & ANSI C63.10-2013.
The tested samples and the sample information are provided by the client.
This test report (Ref. No.: EED32K00334201) is only valid with the original test report (Ref. No.: TRA-033559-45-00C).
The results in this report cover conducted peak output power and radiated spurious emissions only, since the results in this report are intended to support the use of a previously tested module in a new product. Other tests please refer to original report TRA-033559-45-00C.

4 Content

5 Test Requirement

5.1 Test setup

5.1.1 For Conducted test setup



5.1.2 For Radiated Emissions test setup

Radiated Emissions setup:

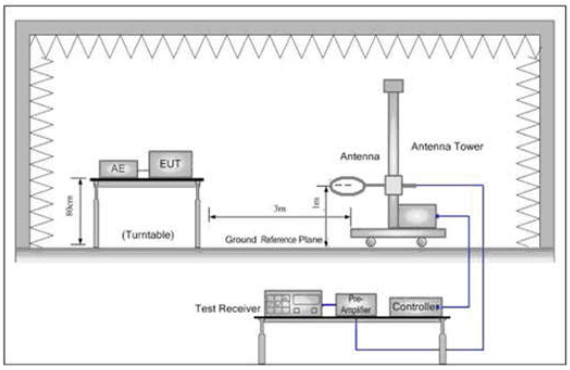


Figure 1. Below 30MHz

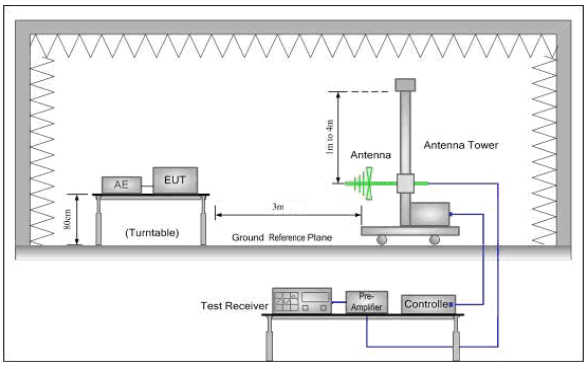


Figure 2. 30MHz to 1GHz

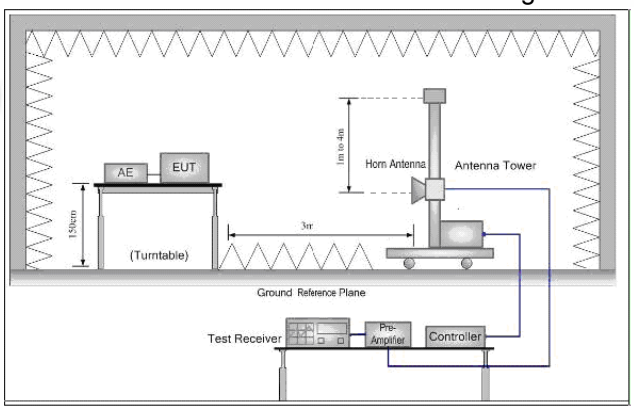


Figure 3. Above 1GHz

5.2 Test Environment

Operating Environment:	
Temperature:	24°C
Humidity:	53% RH
Atmospheric Pressure:	1010mbar

5.3 Test Condition

Test Frequency Range	RF Channel		
	Low(L)	Middle(M)	High(H)
915.25MHz~927.5MHz	Channel 6	Channel 29	Channel 55
	915.25MHz	921MHz	927.5MHz
TX mode: The EUT transmitted the continuous signal at the specific channel(s).			

Channel	Name	Frequency [MHz]
6	eFCC_CHANNEL_1	915.25
7	eFCC_CHANNEL_2	915.5
8	eFCC_CHANNEL_3	915.75
9	eFCC_CHANNEL_4	916
10	eFCC_CHANNEL_5	916.25
11	eFCC_CHANNEL_6	916.5
12	eFCC_CHANNEL_7	916.75
13	eFCC_CHANNEL_8	917
14	eFCC_CHANNEL_9	917.25
15	eFCC_CHANNEL_10	917.5
16	eFCC_CHANNEL_11	917.75
17	eFCC_CHANNEL_12	918
18	eFCC_CHANNEL_13	918.25
19	eFCC_CHANNEL_14	918.5
20	eFCC_CHANNEL_15	918.75
21	eFCC_CHANNEL_16	919
22	eFCC_CHANNEL_17	919.25
23	eFCC_CHANNEL_18	919.5
24	eFCC_CHANNEL_19	919.75
25	eFCC_CHANNEL_20	920
26	eFCC_CHANNEL_21	920.25
27	eFCC_CHANNEL_22	920.5
28	eFCC_CHANNEL_23	920.75

29	eFCC_CHANNEL_24	921
30	eFCC_CHANNEL_25	921.25
31	eFCC_CHANNEL_26	921.5
32	eFCC_CHANNEL_27	921.75
33	eFCC_CHANNEL_28	922
34	eFCC_CHANNEL_29	922.25
35	eFCC_CHANNEL_30	922.5
36	eFCC_CHANNEL_31	922.75
37	eFCC_CHANNEL_32	923
38	eFCC_CHANNEL_33	923.25
39	eFCC_CHANNEL_34	923.5
40	eFCC_CHANNEL_35	923.75
41	eFCC_CHANNEL_36	924
42	eFCC_CHANNEL_37	924.25
43	eFCC_CHANNEL_38	924.5
44	eFCC_CHANNEL_39	924.75
45	eFCC_CHANNEL_40	925
46	eFCC_CHANNEL_41	925.25
47	eFCC_CHANNEL_42	925.5
48	eFCC_CHANNEL_43	925.75
49	eFCC_CHANNEL_44	926
50	eFCC_CHANNEL_45	926.25
51	eFCC_CHANNEL_46	926.5
52	eFCC_CHANNEL_47	926.75
53	eFCC_CHANNEL_48	927
54	eFCC_CHANNEL_49	927.25
55	eFCC_CHANNEL_50	927.5

6 General Information

6.1 Client Information

Applicant:	Rentokil Initial 1927 plc
Address of Applicant:	Riverbank, Meadows Business Park, Camberley, GU17 9AB
Manufacturer:	Rentokil Initial 1927 plc
Address of Manufacturer:	Riverbank, Meadows Business Park, Camberley, GU17 9AB
Factory:	Rentokil Initial 1927 plc
Address of Factory:	Riverbank, Meadows Business Park, Camberley, GU17 9AB

6.2 General Description of EUT

Product Name:	Rat Riddance Connect
Model No.(EUT):	304885
Trade mark:	Rentokil
EUT Supports Radios application:	915.25MHz to 927.5MHz
Power Supply:	Battery, DC 4.5V
Sample Received Date:	Dec. 14, 2018
Sample tested Date:	Dec. 17, 2018 to Dec. 20, 2018

6.3 Product Specification subjective to this standard

Operation Frequency:	915.25MHz to 927.5MHz
Modulation Type:	FSK Chrip
Number of Channel:	50
Firmware version of the sample:	V1.8(Manufacturer declare)
Hardware version of the sample:	EB3(Manufacturer declare)
Test Power Grade:	N/A
Test Software of EUT:	N/A
Antenna Type:	Integral antenna
Antenna gain:	-1.85dBi
Test Voltage:	Battery, DC 4.5V

6.4 Description of Support Units

The EUT has been tested independently.

6.5 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

6.6 Deviation from Standards

None.

6.7 Abnormalities from Standard Conditions

None.

6.8 Other Information Requested by the Customer

None.

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

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9×10^{-8}
2	RF power, conducted	0.46dB (30MHz-1GHz)
		0.55dB (1GHz-18GHz)
3	Radiated Spurious emission test	4.3dB (30MHz-1GHz)
		4.5dB (1GHz-12.75GHz)
4	Conduction emission	3.5dB (9kHz to 150kHz)
		3.1dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	3.8%
7	DC power voltages	0.026%

7 Equipment List

RF test system					
Equipment	**Manufacturer**	**Model No.**	**Serial Number**	**Cal. Date (mm-dd-yyyy)**	**Cal. Due date (mm-dd-yyyy)**
Signal Generator	Keysight	E8257D	MY53401106	03-13-2018	03-12-2019
Spectrum Analyzer	Keysight	N9010A	MY54510339	03-13-2018	03-12-2019
Signal Generator	Keysight	N5182B	MY53051549	03-13-2018	03-12-2019
High-pass filter	Sinoscite	FL3CX03WG18NM12-0398-002	---	01-10-2018	01-09-2019
High-pass filter	MICRO-TRONICS	SPA-F-63029-4	---	01-10-2018	01-09-2019
DC Power	Keysight	E3642A	MY54426035	03-13-2018	03-12-2019
PC-1	Lenovo	R4960d	---	03-13-2018	03-12-2019
BT&WI-FI Automatic control	R&S	OSP120	101374	03-13-2018	03-12-2019
RF control unit	JS Tonscend	JS0806-2	15860006	03-13-2018	03-12-2019
RF control unit	JS Tonscend	JS0806-1	15860004	03-13-2018	03-12-2019
RF control unit	JS Tonscend	JS0806-4	158060007	03-13-2018	03-12-2019
BT&WI-FI Automatic test software	JS Tonscend	JS1120-2	---	03-13-2018	03-12-2019
Temperature/ Humidity Indicator	biaozhi	HM10	1804186	10-12-2018	10-11-2019

3M Semi/full-anechoic Chamber					
Equipment	**Manufacturer**	**Model No.**	**Serial Number**	**Cal. date (mm-dd-yyyy)**	**Cal. Due date (mm-dd-yyyy)**
3M Chamber & Accessory Equipment	TDK	SAC-3	---	06-04-2016	06-03-2019
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	9163-401	10-28-2018	10-27-2019
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	9163-618	07-30-2018	07-29-2019
Microwave Preamplifier	Agilent	8449B	3008A02425	08-21-2018	08-20-2019
Microwave Preamplifier	Tonscend	EMC051845SE	980380	01-19-2018	01-18-2019
Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-1869	04-25-2018	04-23-2021
Horn Antenna	ETS-LINDGREN	3117	00057410	06-05-2018	06-03-2021
Double ridge horn antenna	A.H.SYSTEMS	SAS-574	6042	06-05-2018	06-04-2021
Pre-amplifier	A.H.SYSTEMS	PAP-1840-60	6041	06-05-2018	06-04-2021
Loop Antenna	ETS	6502	00071730	06-22-2017	06-21-2019
Spectrum Analyzer	R&S	FSP40	100416	05-11-2018	05-10-2019
Receiver	R&S	ESCI	100435	05-25-2018	05-24-2019
Receiver	R&S	ESCI7	100938-003	11-23-2018	11-22-2019
Multi device Controller	maturo	NCD/070/10711112	---	01-10-2018	01-09-2019
LISN	schwarzbeck	NNBM8125	81251547	05-11-2018	05-10-2019
LISN	schwarzbeck	NNBM8125	81251548	05-11-2018	05-10-2019
Signal Generator	Agilent	E4438C	MY45095744	03-13-2018	03-12-2019
Signal Generator	Keysight	E8257D	MY53401106	03-13-2018	03-12-2019
Temperature/ Humidity Indicator	Shanghai qixiang	HM10	1804298	10-12-2018	10-11-2019
Communication test set	Agilent	E5515C	GB47050534	03-16-2018	03-15-2019
Cable line	Fulai(7M)	SF106	5219/6A	01-10-2018	01-09-2019
Cable line	Fulai(6M)	SF106	5220/6A	01-10-2018	01-09-2019
Cable line	Fulai(3M)	SF106	5216/6A	01-10-2018	01-09-2019
Cable line	Fulai(3M)	SF106	5217/6A	01-10-2018	01-09-2019
Communication test set	R&S	CMW500	104466	02-05-2018	02-04-2019
High-pass filter	Sinoscite	FL3CX03WG18NM12-0398-002	---	01-10-2018	01-09-2019
High-pass filter	MICRO-TRONICS	SPA-F-63029-4	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX01CA09CL12-0395-001	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX01CA08CL12-0393-001	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX02CA04CL12-0396-002	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX02CA03CL12-0394-001	---	01-10-2018	01-09-2019

8 Radio Technical Requirements Specification

Reference documents for testing:

No.	Identity	Document Title
1	FCC Part15	Subpart C-Intentional Radiators
2	ANSI C63.10-2013	American National Standard for Testing Unlicesed Wireless Devices

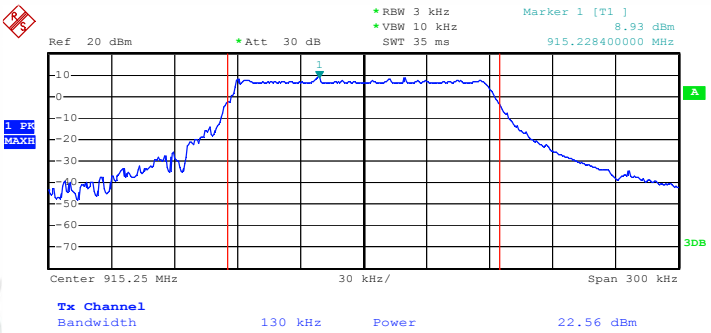
Test Results List:

Test requirement	Test method	Test item	Verdict	Note
Part15C Section 15.247 (b)(1)	ANSI 63.10	Conducted Peak Output Power	PASS	Appendix A)
Part15C Section 15.203/15.247 (c)	ANSI 63.10	Antenna Requirement	PASS	Appendix B)
Part15C Section 15.205/15.209	ANSI 63.10	Radiated Spurious Emissions	PASS	Appendix C)

Appendix A): Conducted Peak Output Power

Result Table

Channel	Conducted Peak Output Power [dBm]	Verdict
LCH	22.56	PASS
MCH	21.87	PASS
HCH	21.70	PASS



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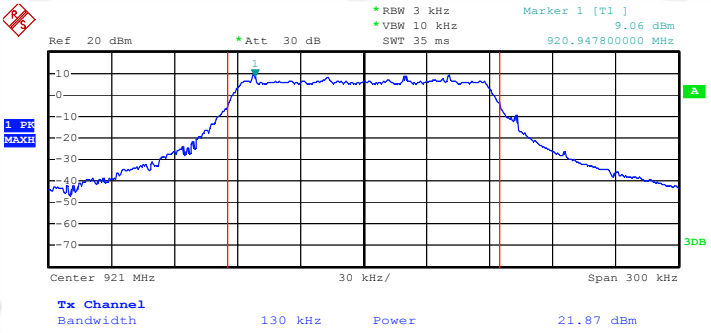

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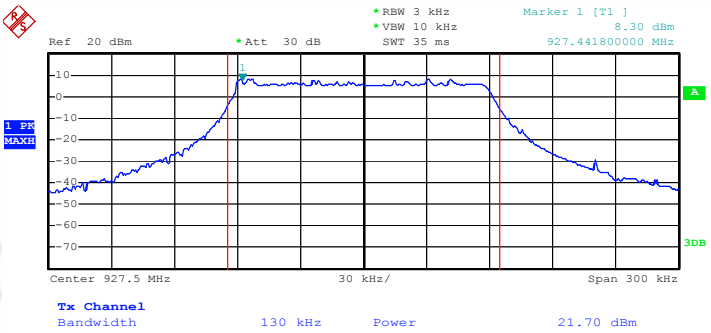

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Appendix B): Antenna Requirement

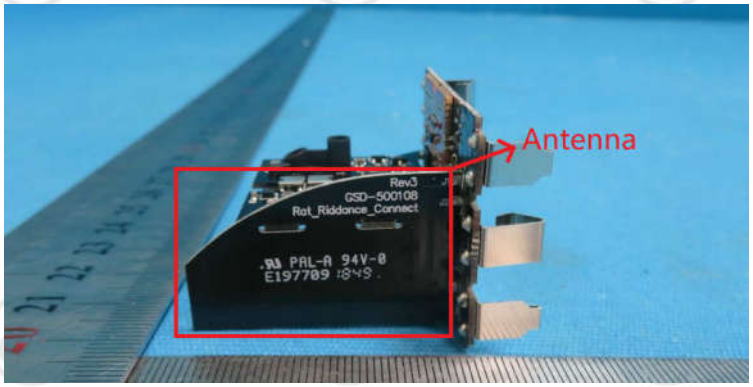
15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna:



The antenna is Integral antenna and no consideration of replacement. The best case gain of the antenna is -1.85dBi.

Appendix C): Radiated Spurious Emissions

Receiver Setup:

Frequency	Detector	RBW	VBW	Remark
0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
	Peak	1MHz	10Hz	Average

Test Procedure:

Below 1GHz test procedure as below:

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Above 1GHz test procedure as below:

g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 meter to 1.5 meter(Above 18GHz the distance is 1 meter and table is 1.5 meter).
h. Test the EUT in the lowest channel ,the middle channel ,the Highest channel
i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.
j. Repeat above procedures until all frequencies measured was complete.

Limit:

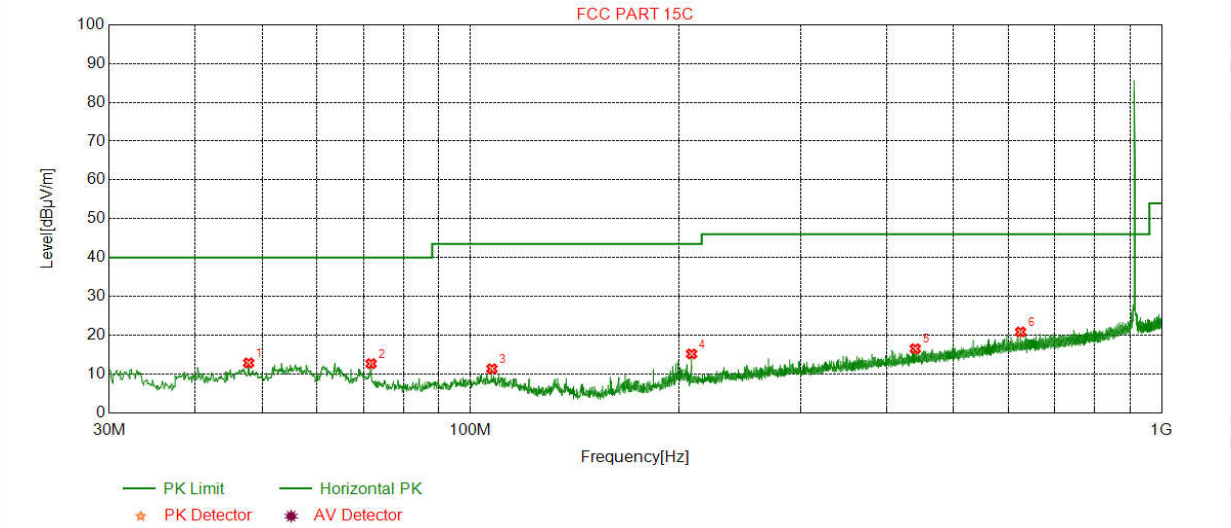
Frequency	Field strength (microvolt/meter)	Limit (dBμV/m)	Remark	Measurement distance (m)
0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
1.705MHz-30MHz	30	-	-	30
30MHz-88MHz	100	40.0	Quasi-peak	3
88MHz-216MHz	150	43.5	Quasi-peak	3
216MHz-960MHz	200	46.0	Quasi-peak	3
960MHz-1GHz	500	54.0	Quasi-peak	3
Above 1GHz	500	54.0	Average	3

Note: 15.35(b), 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.

Radiated Spurious Emissions test Data:

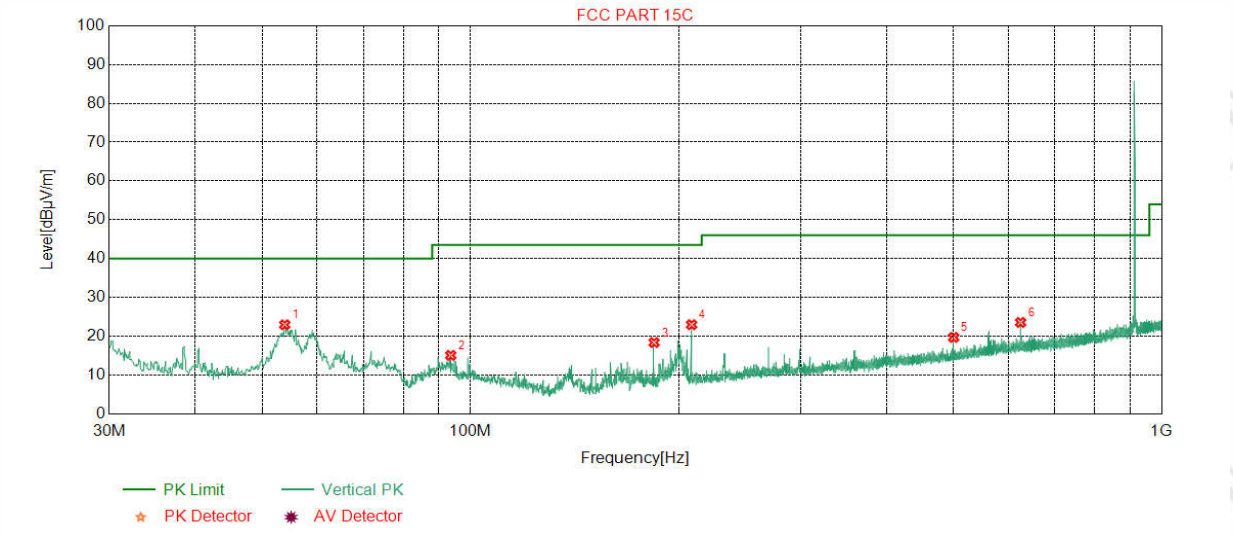
Radiated Emission below 1GHz

Mode:	Transmitting	Channel:	915.25
Remark:	QP		



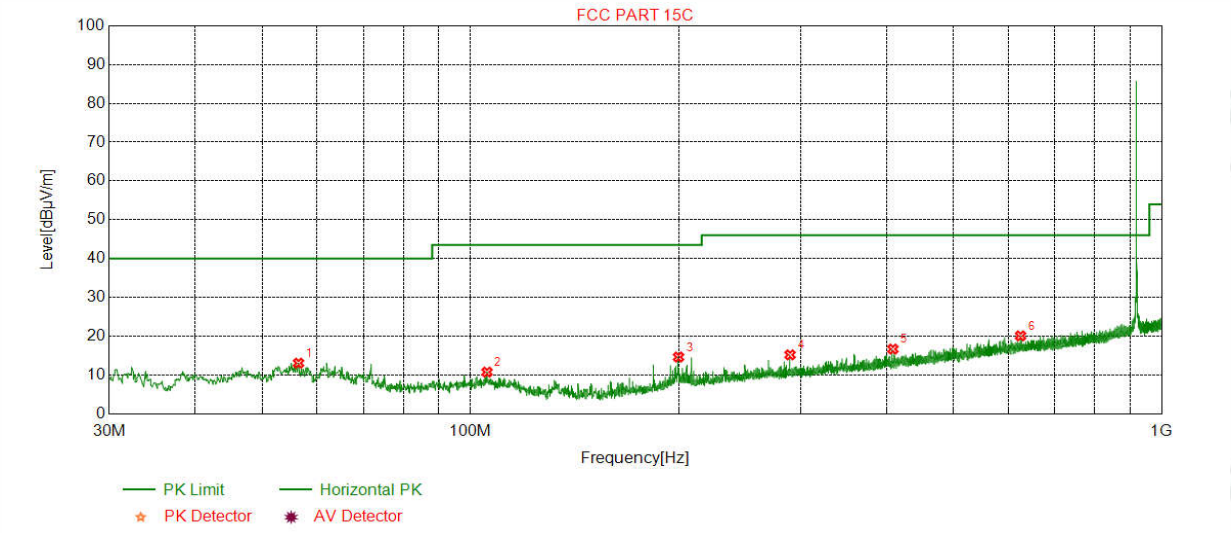
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	47.7528	13.20	0.78	-32.12	30.95	12.81	40.00	27.19	Pass	Horizontal
2	71.8112	8.66	0.97	-32.06	35.06	12.63	40.00	27.37	Pass	Horizontal
3	107.4137	10.93	1.22	-32.07	31.22	11.30	43.50	32.20	Pass	Horizontal
4	208.8859	11.13	1.71	-31.94	34.23	15.13	43.50	28.37	Pass	Horizontal
5	440.0600	16.04	2.48	-31.88	29.84	16.48	46.00	29.52	Pass	Horizontal
6	625.0575	19.20	2.97	-31.98	30.62	20.81	46.00	25.19	Pass	Horizontal

Mode:	Transmitting	Channel:	915.25
Remark:	QP		



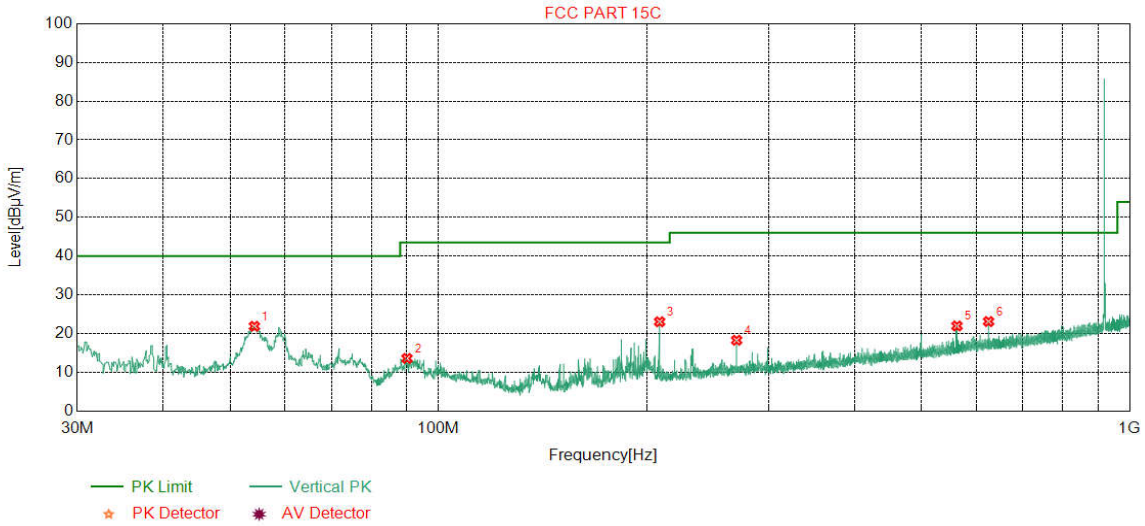
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Magin [dB]	Result	Polarity
1	53.8644	12.58	0.83	-32.09	41.60	22.92	40.00	17.08	Pass	Vertical
2	93.6384	9.98	1.11	-32.07	36.00	15.02	43.50	28.48	Pass	Vertical
3	184.3424	9.41	1.59	-31.98	39.31	18.33	43.50	25.17	Pass	Vertical
4	208.8859	11.13	1.71	-31.94	42.05	22.95	43.50	20.55	Pass	Vertical
5	500.0120	17.00	2.67	-31.91	31.90	19.66	46.00	26.34	Pass	Vertical
6	625.0575	19.20	2.97	-31.98	33.33	23.52	46.00	22.48	Pass	Vertical

Mode:	Transmitting	Channel:	921
Remark:	QP		



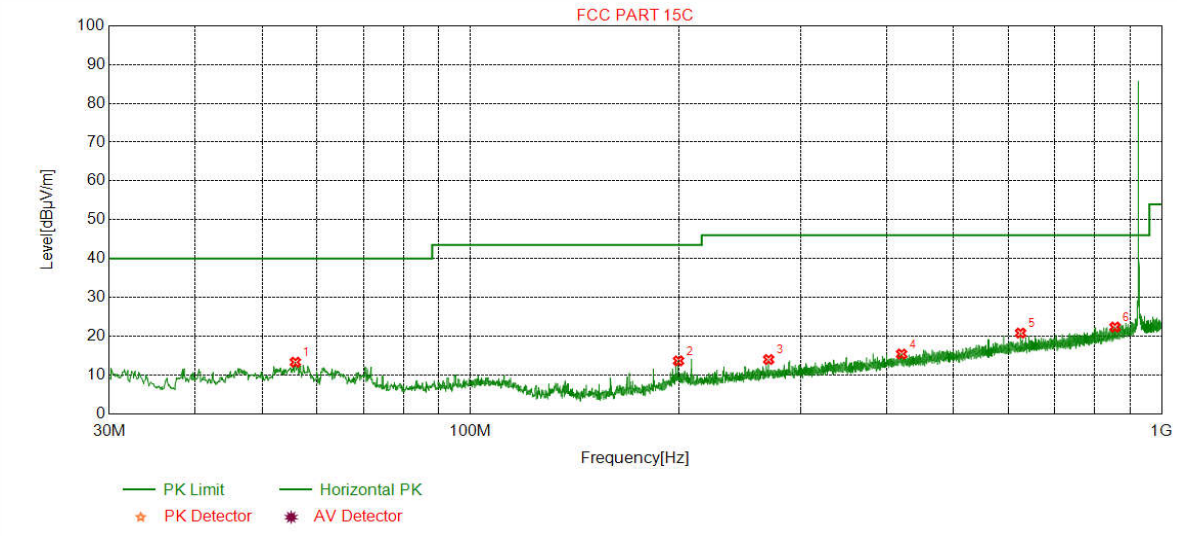
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Magin [dB]	Result	Polarity
1	56.3866	12.18	0.86	-32.07	32.05	13.02	40.00	26.98	Pass	Horizontal
2	105.6676	10.94	1.21	-32.06	30.62	10.71	43.50	32.79	Pass	Horizontal
3	199.9610	10.90	1.67	-31.94	33.97	14.60	43.50	28.90	Pass	Horizontal
4	289.9860	13.00	2.03	-31.88	32.01	15.16	46.00	30.84	Pass	Horizontal
5	408.5319	15.54	2.41	-31.83	30.53	16.65	46.00	29.35	Pass	Horizontal
6	625.0575	19.20	2.97	-31.98	29.87	20.06	46.00	25.94	Pass	Horizontal

Mode:	Transmitting	Channel:	921
Remark:	QP		



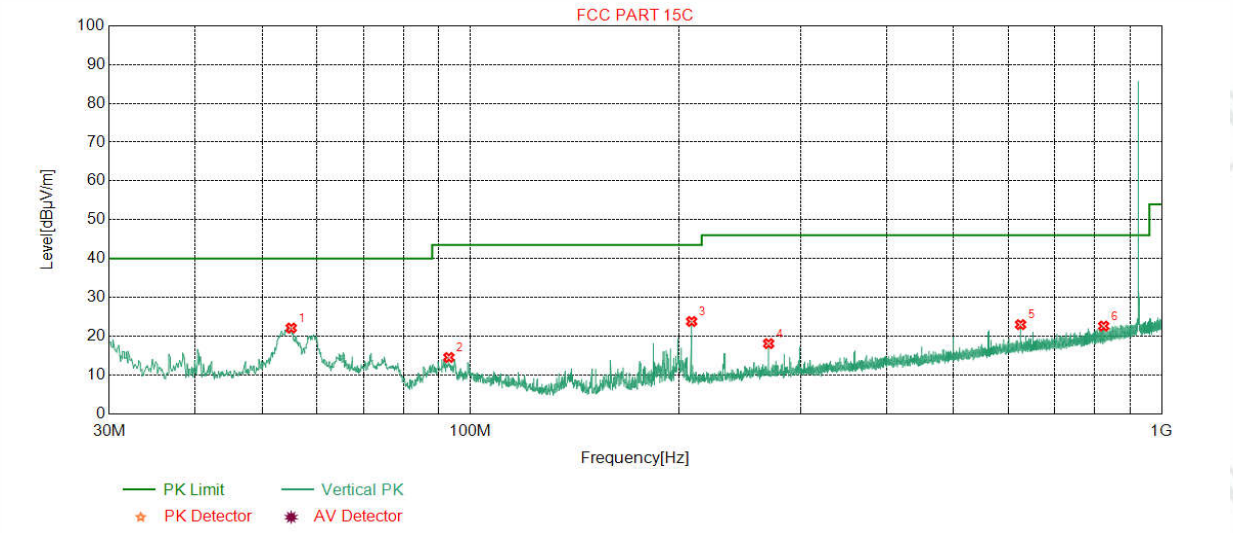
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Magin [dB]	Result	Polarity
1	54.1554	12.54	0.83	-32.09	40.58	21.86	40.00	18.14	Pass	Vertical
2	90.0490	9.41	1.10	-32.09	35.13	13.55	43.50	29.95	Pass	Vertical
3	208.8859	11.13	1.71	-31.94	42.12	23.02	43.50	20.48	Pass	Vertical
4	270.0020	12.60	1.96	-31.88	35.57	18.25	46.00	27.75	Pass	Vertical
5	562.5833	18.25	2.81	-31.99	32.87	21.94	46.00	24.06	Pass	Vertical
6	625.0575	19.20	2.97	-31.98	32.89	23.08	46.00	22.92	Pass	Vertical

Mode:	Transmitting	Channel:	927.5
Remark:	QP		



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	55.8046	12.27	0.85	-32.07	32.22	13.27	40.00	26.73	Pass	Horizontal
2	199.9610	10.90	1.67	-31.94	32.98	13.61	43.50	29.89	Pass	Horizontal
3	270.0020	12.60	1.96	-31.88	31.28	13.96	46.00	32.04	Pass	Horizontal
4	420.4640	15.73	2.45	-31.84	29.04	15.38	46.00	30.62	Pass	Horizontal
5	625.0575	19.20	2.97	-31.98	30.58	20.77	46.00	25.23	Pass	Horizontal
6	856.1346	21.57	3.52	-31.74	28.97	22.32	46.00	23.68	Pass	Horizontal

Mode:	Transmitting	Channel:	927.5
Remark:	QP		



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Magin [dB]	Result	Polarity
1	55.0285	12.40	0.84	-32.08	40.92	22.08	40.00	17.92	Pass	Vertical
2	93.0563	9.89	1.11	-32.08	35.56	14.48	43.50	29.02	Pass	Vertical
3	208.8859	11.13	1.71	-31.94	42.87	23.77	43.50	19.73	Pass	Vertical
4	270.0020	12.60	1.96	-31.88	35.38	18.06	46.00	27.94	Pass	Vertical
5	625.0575	19.20	2.97	-31.98	32.77	22.96	46.00	23.04	Pass	Vertical
6	824.4124	21.19	3.45	-31.94	29.89	22.59	46.00	23.41	Pass	Vertical

Transmitter Emission above 1GHz

Mode:		Transmitting			Channel:				915.25		
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity	Remark
1	1830.500	30.59	3.07	-42.70	52.34	43.30	54.00	10.70	Pass	H	AV
2	2745.750	32.79	3.66	-42.26	50.27	44.46	54.00	9.54	Pass	H	AV
3	3661.000	33.53	3.99	-41.48	46.02	42.06	54.00	11.94	Pass	H	AV
4	4576.250	34.50	4.51	-40.84	47.29	45.46	54.00	8.54	Pass	H	AV
5	5491.500	34.99	5.09	-40.64	49.52	48.96	54.00	5.04	Pass	H	AV
6	8237.250	36.50	6.16	-40.79	45.51	47.38	54.00	6.62	Pass	H	AV
7	1830.500	30.59	3.07	-42.70	52.85	43.81	54.00	10.19	Pass	V	AV
8	2745.750	32.79	3.66	-42.26	50.75	44.94	54.00	9.06	Pass	V	AV
9	3661.000	33.53	3.99	-41.48	46.93	42.97	54.00	11.03	Pass	V	AV
10	4576.250	34.50	4.51	-40.84	46.07	44.24	54.00	9.76	Pass	V	AV
11	5491.500	34.99	5.09	-40.64	49.37	48.81	54.00	5.19	Pass	V	AV
12	8237.250	36.50	6.16	-40.79	45.00	46.87	54.00	7.13	Pass	V	AV

Mode:		Transmitting			Channel:				921		
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity	Remark
1	1842.000	30.66	3.09	-42.69	50.40	41.46	54.00	12.54	Pass	H	AV
2	2763.000	32.82	3.66	-42.25	50.73	44.96	54.00	9.04	Pass	H	AV
3	3684.000	33.55	3.98	-41.44	44.03	40.12	54.00	13.88	Pass	H	AV
5	5526.000	35.04	4.99	-40.66	49.27	48.64	54.00	5.36	Pass	H	AV
6	6447.000	35.89	5.46	-41.18	43.04	43.21	54.00	10.79	Pass	H	AV
7	1842.000	30.66	3.09	-42.69	53.63	44.69	54.00	9.31	Pass	V	AV
8	2763.000	32.82	3.66	-42.25	52.54	46.77	54.00	7.23	Pass	V	AV
9	3684.000	33.55	3.98	-41.44	44.67	40.76	54.00	13.24	Pass	V	AV
10	5526.000	35.04	4.99	-40.66	49.18	48.55	54.00	5.45	Pass	V	AV
11	6447.000	35.89	5.46	-41.18	44.51	44.68	54.00	9.32	Pass	V	AV
12	7368.000	36.47	5.95	-40.88	45.22	46.76	54.00	7.24	Pass	V	AV

Mode:		Transmitting			Channel:				927.5		
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Preamp gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity	Remark
1	1855.000	30.75	3.09	-42.68	52.61	43.77	54.00	10.23	Pass	H	AV
2	2782.500	32.85	3.66	-42.23	48.38	42.66	54.00	11.34	Pass	H	AV
3	3710.000	33.57	4.01	-41.39	44.18	40.37	54.00	13.63	Pass	H	AV
4	4637.500	34.50	4.55	-40.80	43.93	42.18	54.00	11.82	Pass	H	AV
5	5565.000	35.10	4.91	-40.70	49.67	48.98	54.00	5.02	Pass	H	AV
6	7420.000	36.52	5.90	-40.83	43.30	44.89	54.00	9.11	Pass	H	AV
7	1855.000	30.75	3.09	-42.68	55.34	46.50	54.00	7.50	Pass	V	AV
8	2782.500	32.85	3.66	-42.23	51.88	46.16	54.00	7.84	Pass	V	AV
9	3710.000	33.57	4.01	-41.39	46.08	42.27	54.00	11.73	Pass	V	AV
10	4637.500	34.50	4.55	-40.80	45.89	44.14	54.00	9.86	Pass	V	AV
11	5565.000	35.10	4.91	-40.70	49.03	48.34	54.00	5.66	Pass	V	AV
12	7420.000	36.52	5.90	-40.83	43.26	44.85	54.00	9.15	Pass	V	AV

Note:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

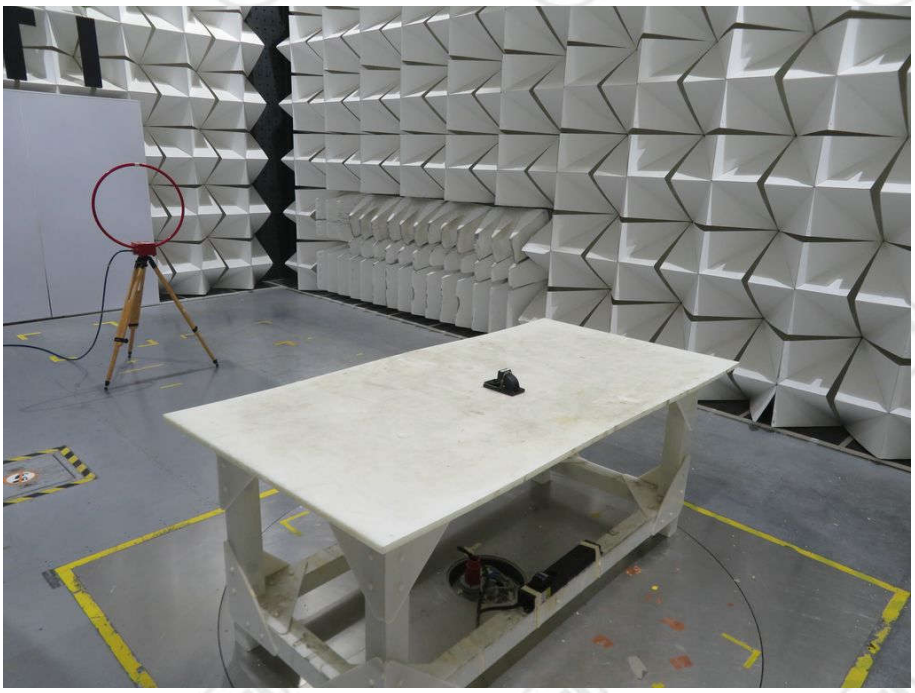
Final Test Level =Receiver Reading -Correct Factor

Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

2) Scan from 9kHz to 25GHz, the disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported

PHOTOGRAPHS OF TEST SETUP

Test model No.: 304885



Radiated spurious emission Test Setup-1(Below 30MHz)

Radiated spurious emission Test Setup-2(Below 1GHz)

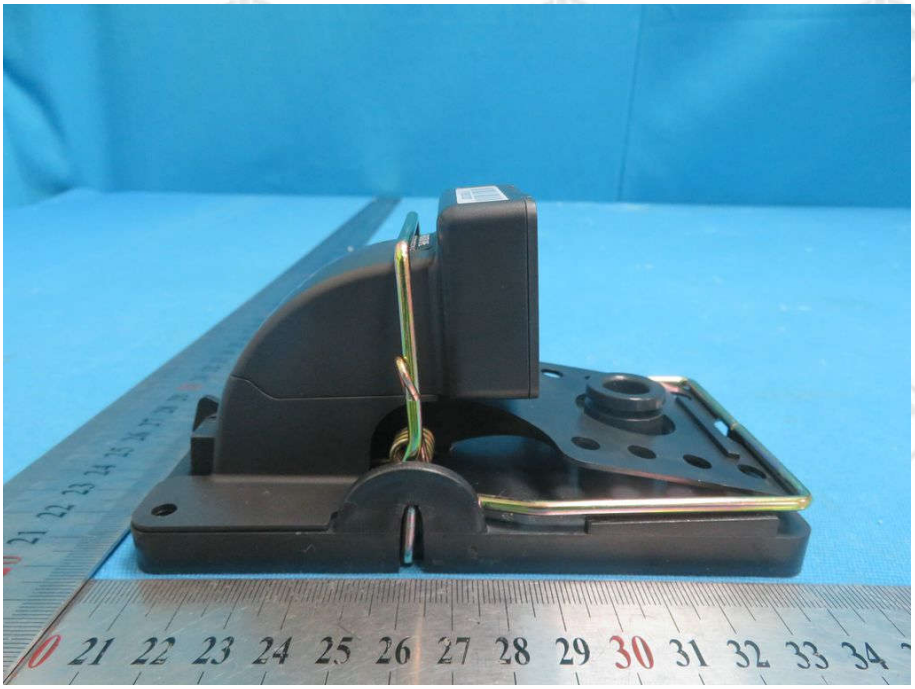
Radiated spurious emission Test Setup-3(Above 1GHz)

PHOTOGRAPHS OF EUT Constructional Details

Test model No.: 304885

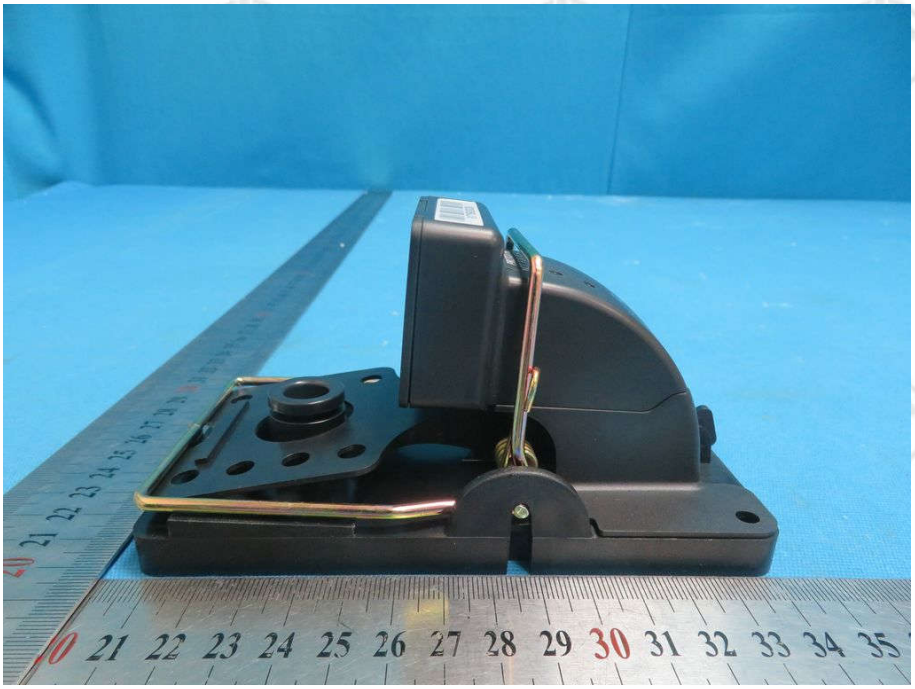
View of Product-1

View of Product-2



View of Product-3

View of Product-4

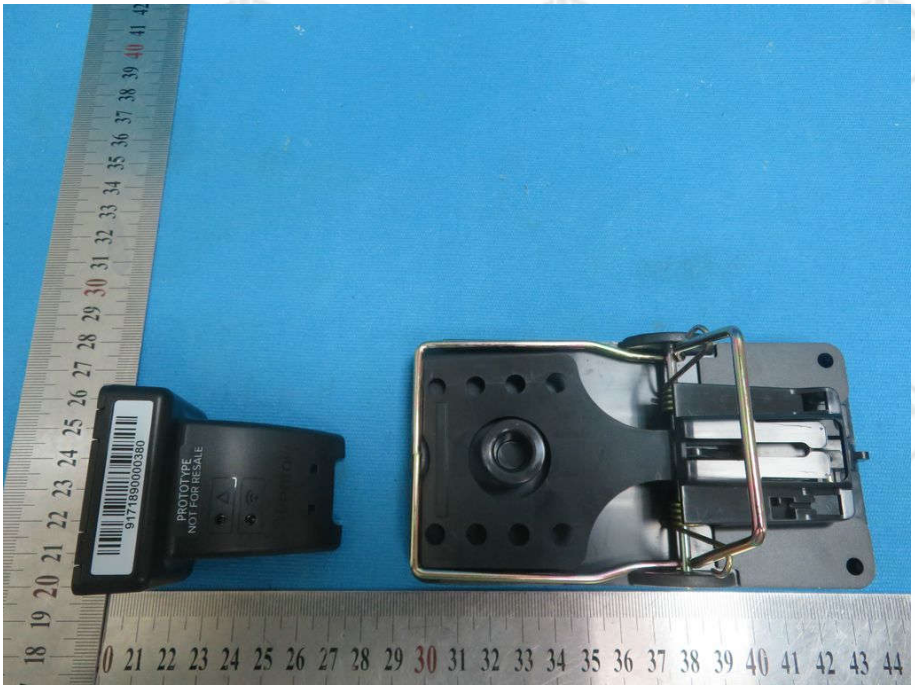


View of Product-5

View of Product-6

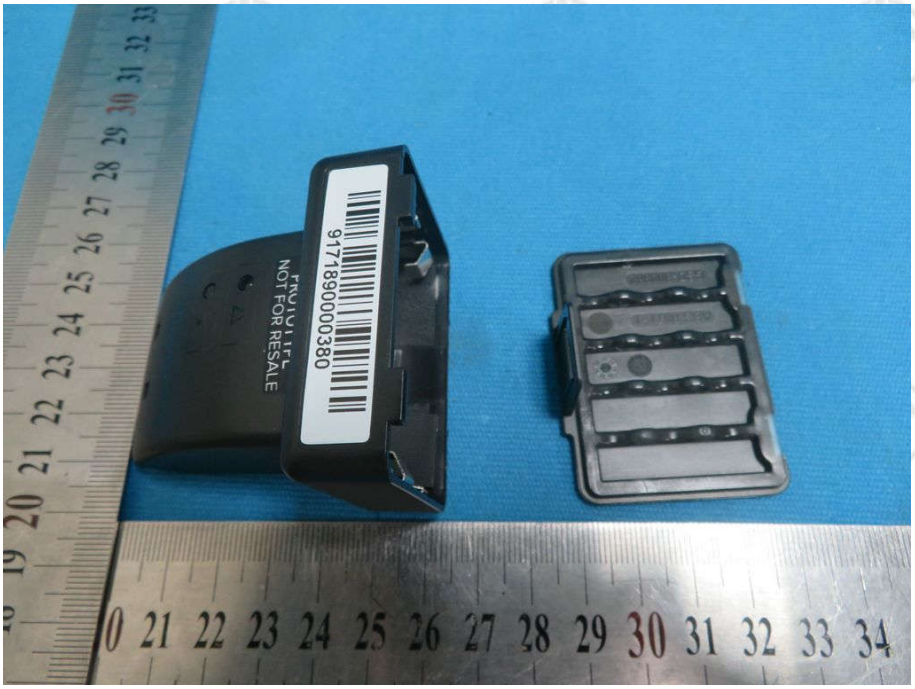
View of Product-7

View of Product-8



View of Product-9

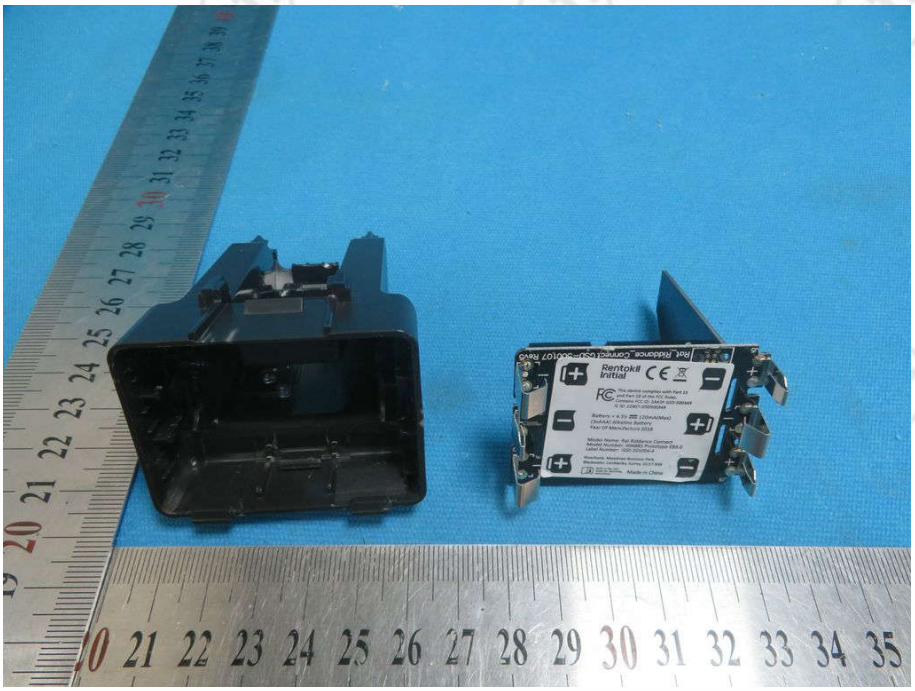
View of Product-10



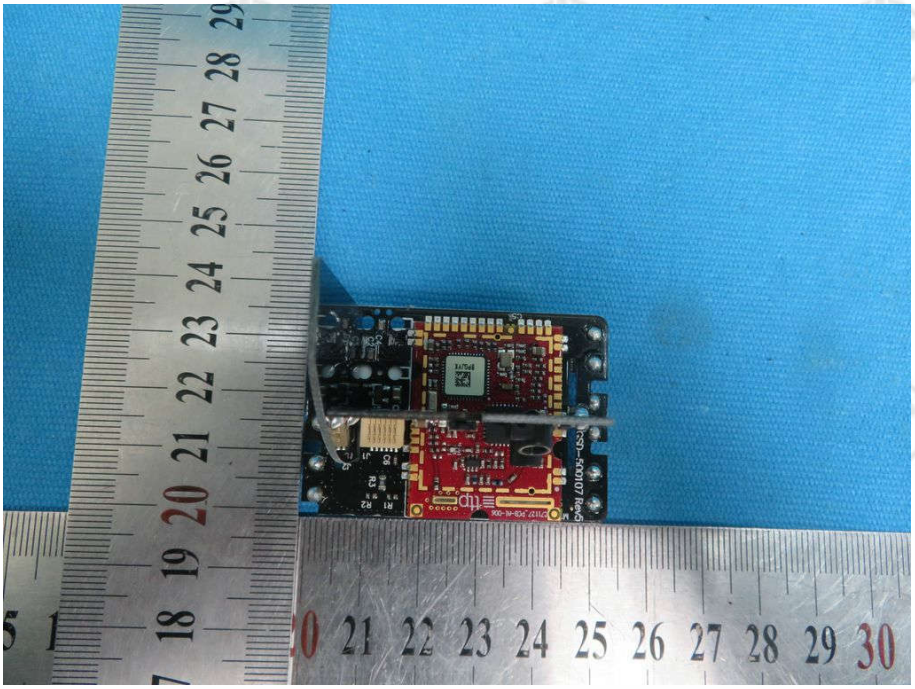
View of Product-11

View of Product-12

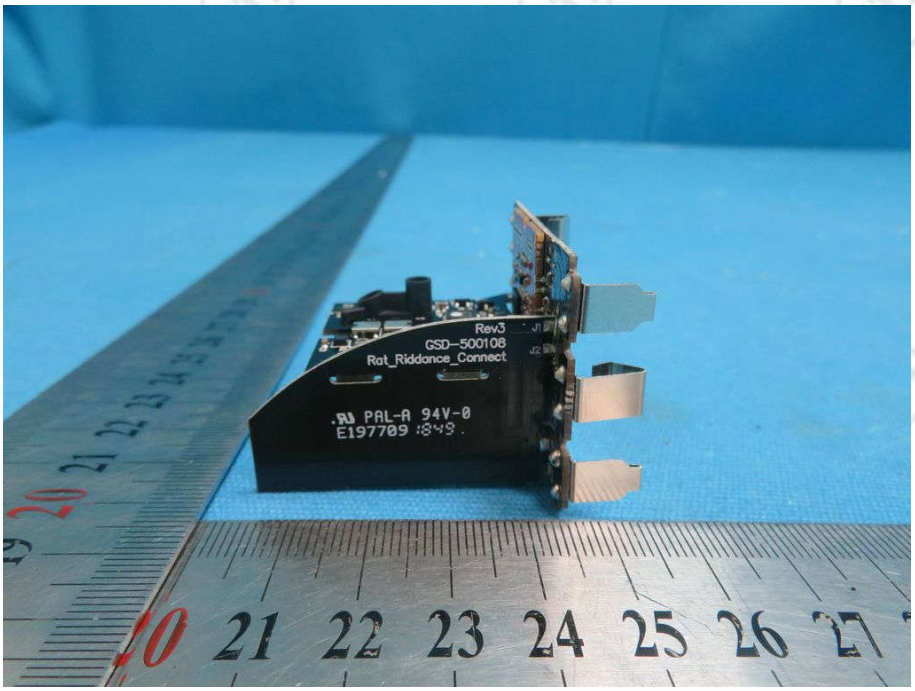
View of Product-13



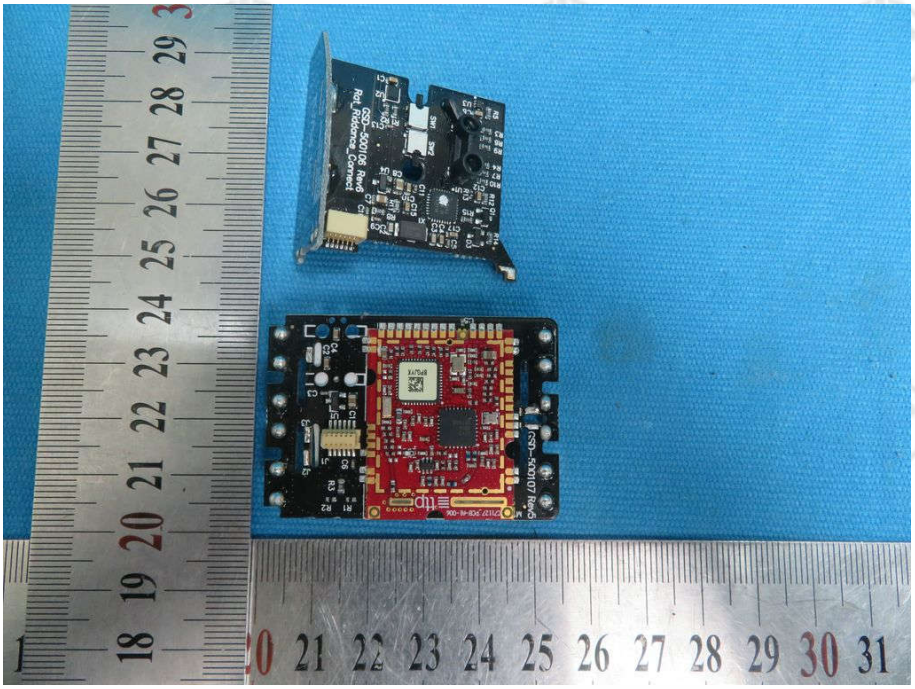
View of Product-14



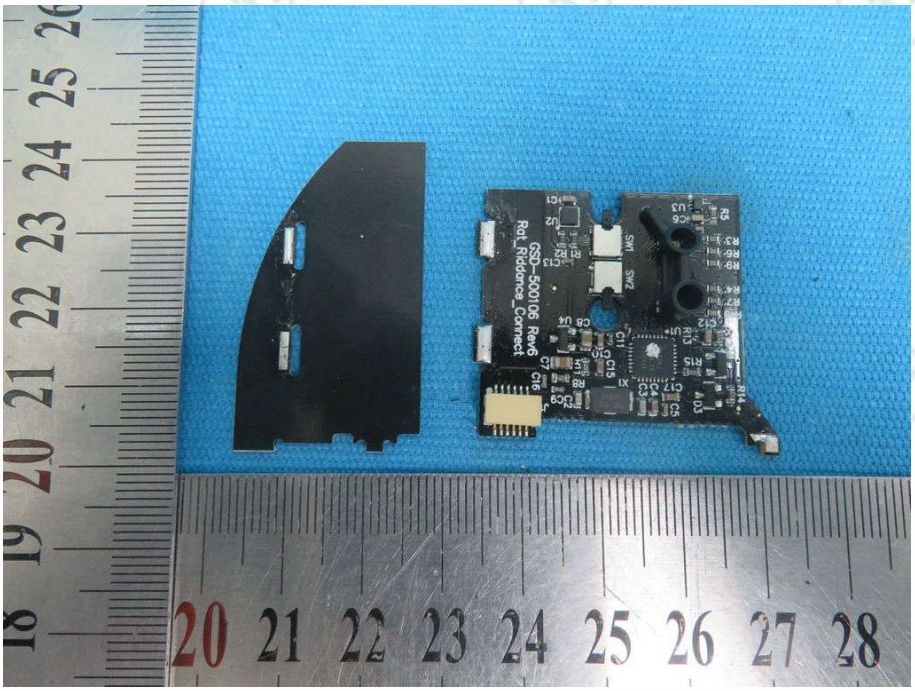
View of Product-15



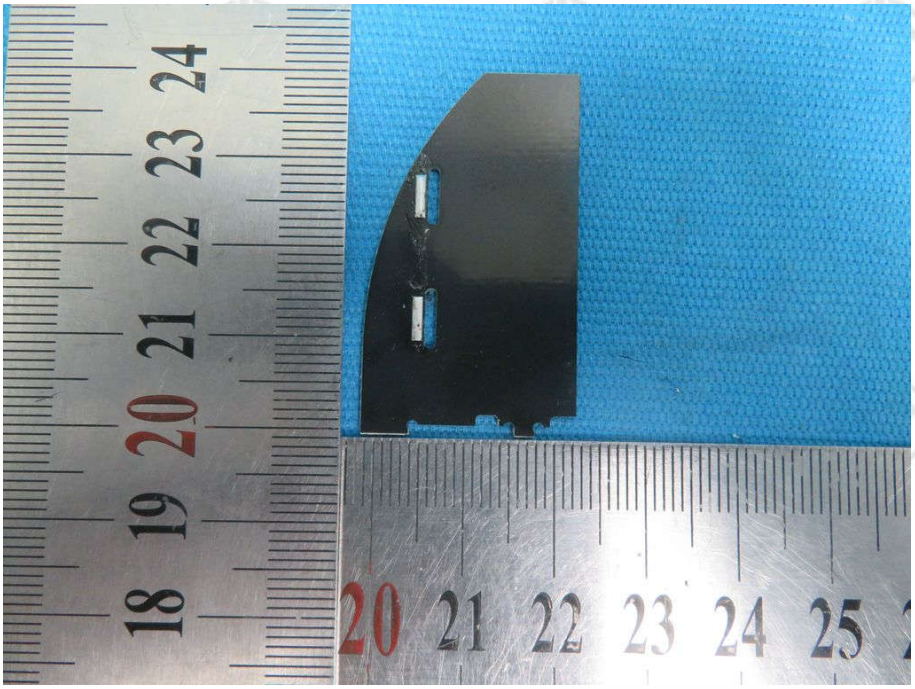
View of Product-16



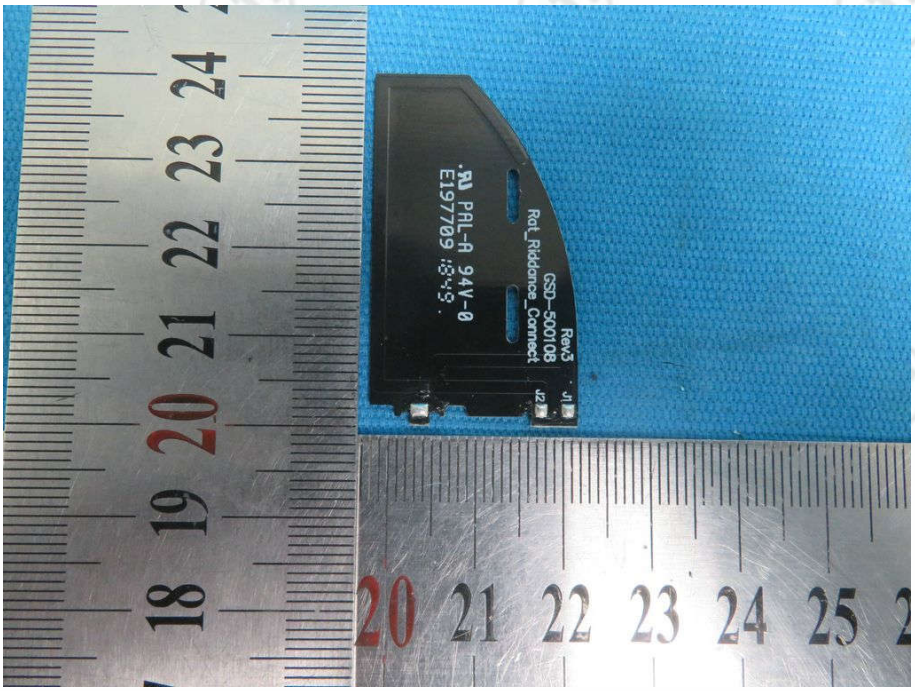
View of Product-17



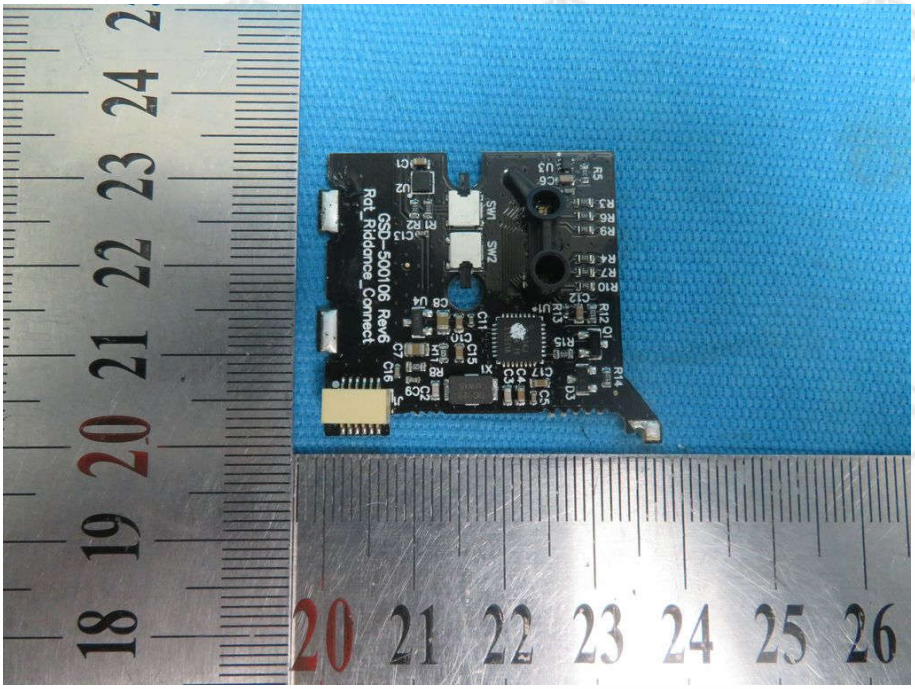
View of Product-18



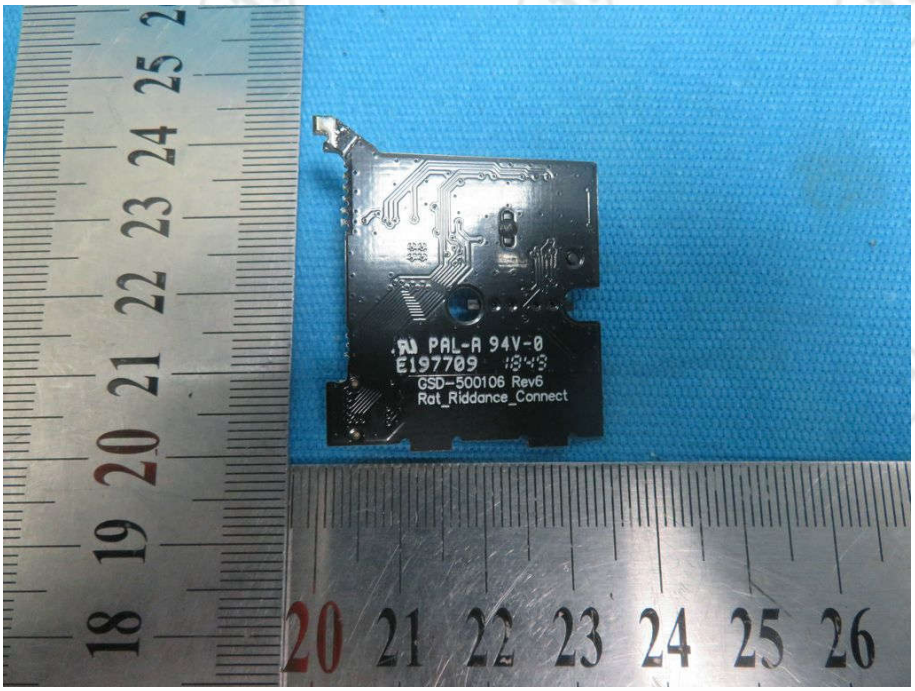
View of Product-19



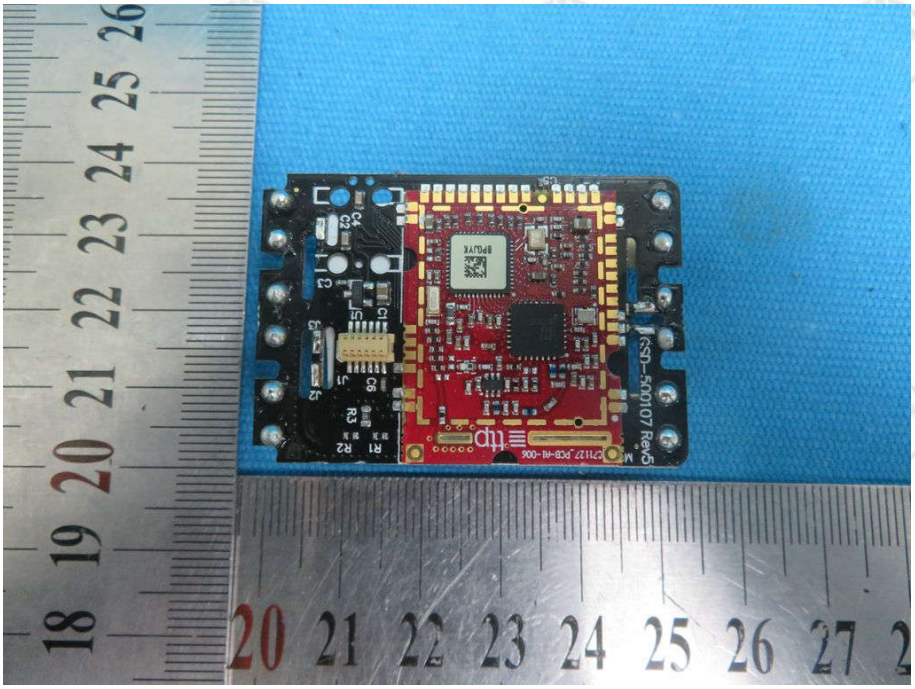
View of Product-20



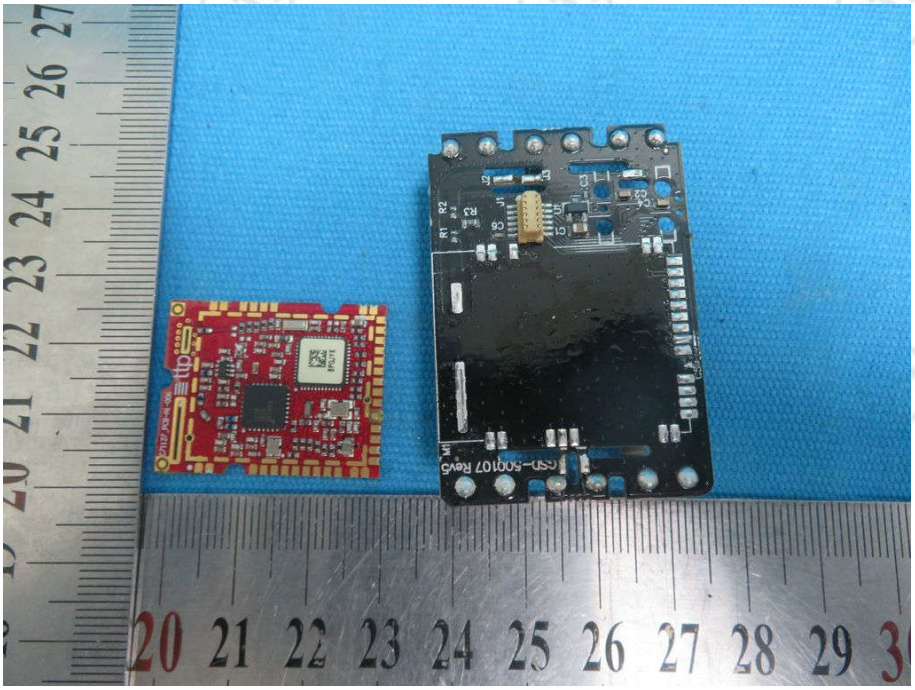
View of Product-21



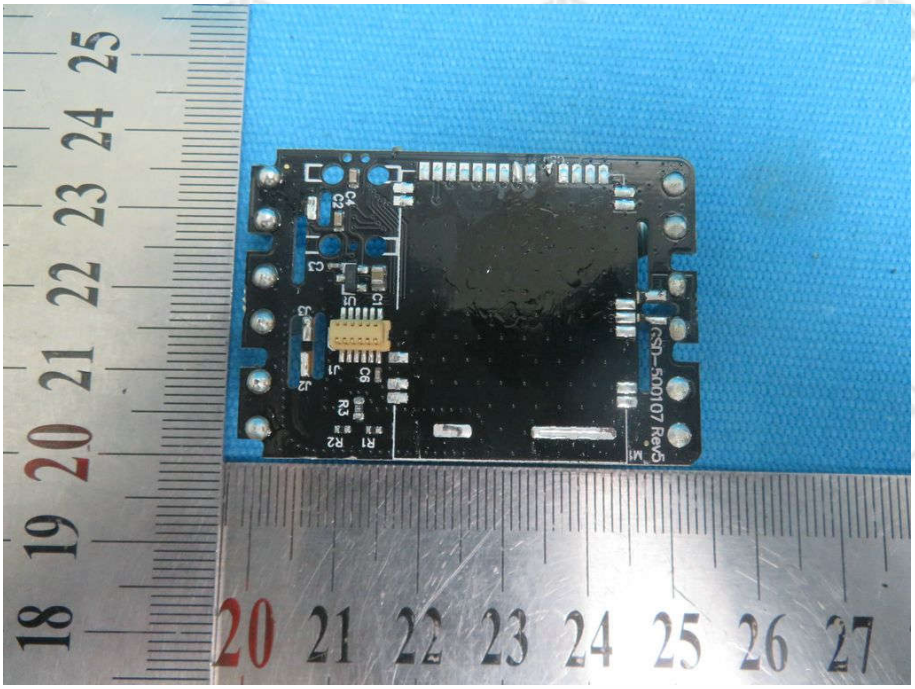
View of Product-22



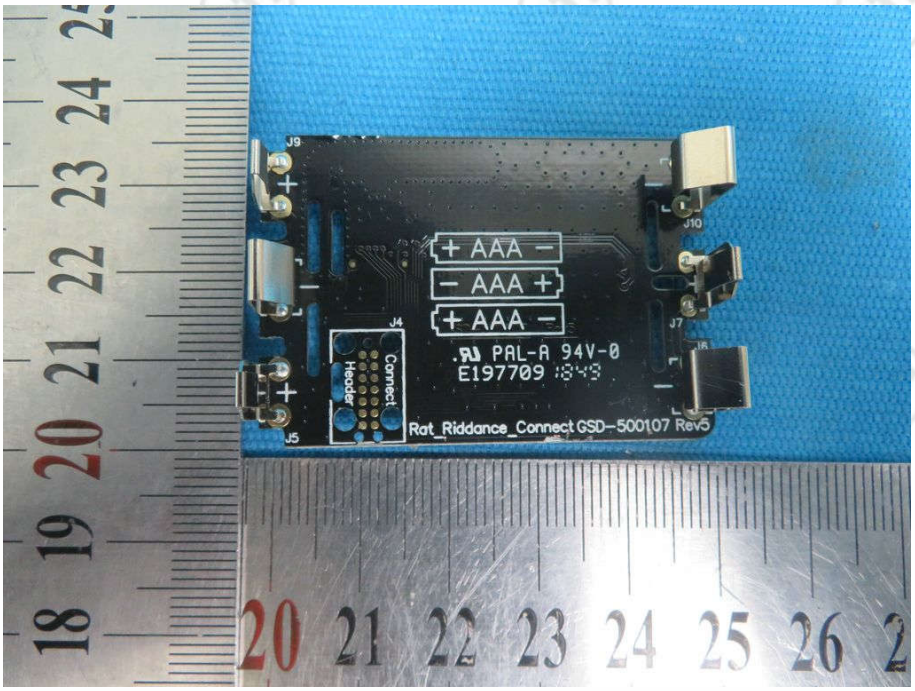
View of Product-23



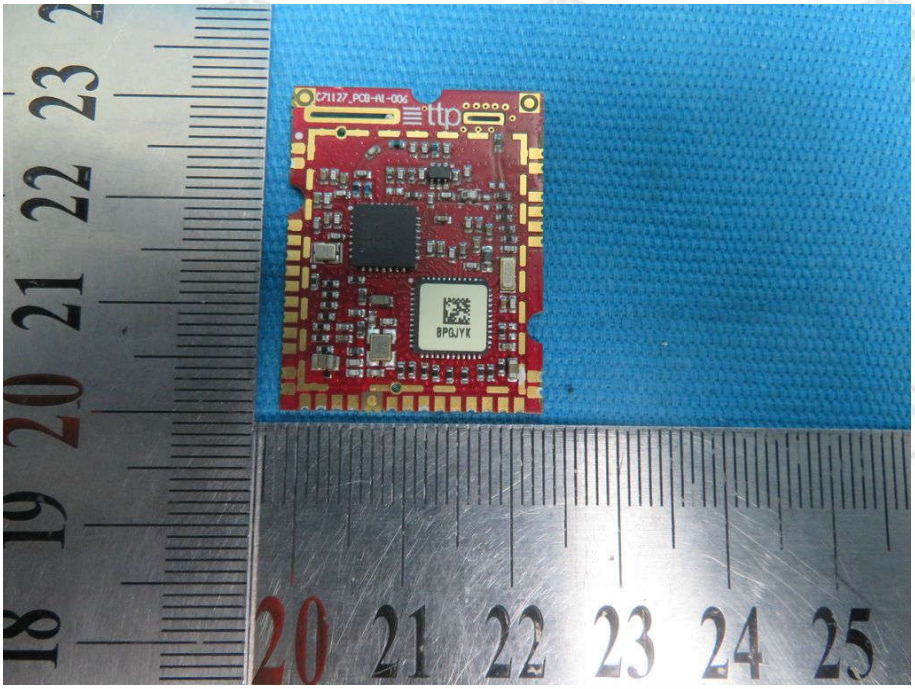
View of Product-24



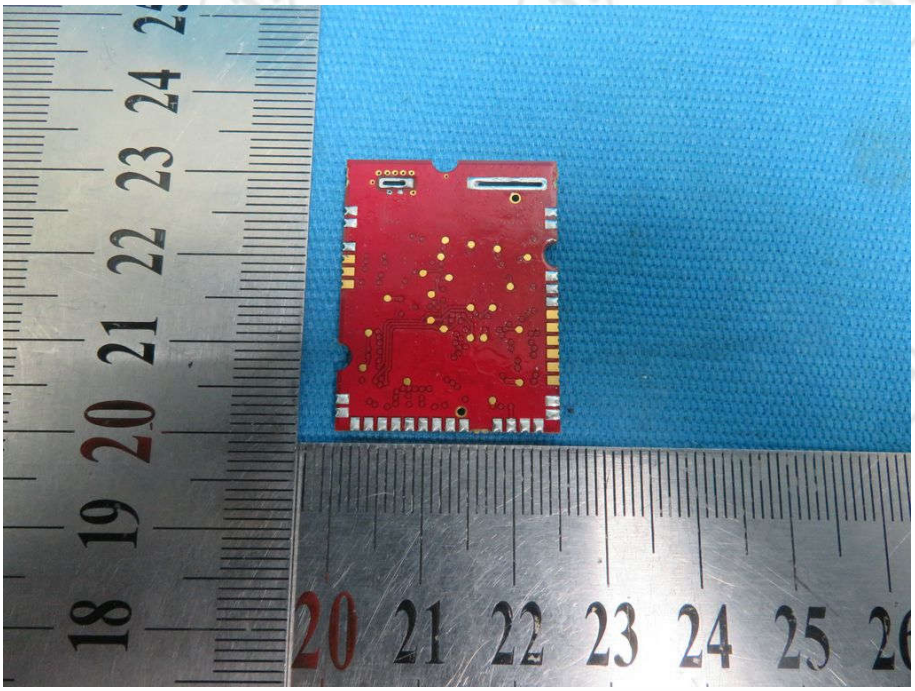
View of Product-25



View of Product-26



View of Product-27



View of Product-28

*** End of Report ***

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