

FCC/IC REPORT

Applicant: Remote Tech LLC

Address of Applicant: 310 ALDER RD, DOVER DE 19904 USA

Equipment Under Test (EUT)

Product Name: keyless transmitter

Model No.: RT-NSU516, RT-NSU515

FCC ID: 2AOKM-NS3

Canada IC: 24223-NS3

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.231
RSS-Gen Issue 5 April 2018
RSS-210 Issue 10 December 2019 Annex A Section A.1.1

Date of sample receipt: 14 May, 2020

Date of Test: 14 May, to 22 Jun., 2020

Date of report issue: 22 Jun., 2020

Test Result: PASS*

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Bruce Zhang
Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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2 Version

Version No.	Date	Description
00	08 Jun., 2020	Original
01	22 Jun., 2020	Update Page 1, 10, 14, 15, 21, 25

Prepared By:

Date:

22 Jun., 2020

Test Engineer

Check By:

Date:

22 Jun., 2020

Project Engineer

3 Contents

	Page
1 COVER PAGE.....	1
2 VERSION.....	2
3 CONTENTS.....	3
4 TEST SUMMARY.....	4
5 GENERAL INFORMATION.....	5
5.1 CLIENT INFORMATION.....	5
5.2 GENERAL DESCRIPTION OF E.U.T.....	5
5.3 TEST MODE	5
5.4 DESCRIPTION OF SUPPORT UNITS.....	5
5.5 MEASUREMENT UNCERTAINTY.....	5
5.6 ADDITIONS TO, DEVIATIONS, OR EXCLUSIONS FROM THE METHOD.....	5
5.7 LABORATORY FACILITY.....	6
5.8 LABORATORY LOCATION	6
5.9 TEST INSTRUMENTS LIST.....	6
6 TEST RESULTS AND MEASUREMENT DATA.....	7
6.1 ANTENNA REQUIREMENT.....	7
6.2 RADIATED EMISSION	8
6.2.1 Field Strength Of The Fundamental Signal.....	10
6.2.2 Spurious Emissions	14
6.3 20DB BANDWIDTH.....	20
6.4 DURATION TIME	22
6.5 FREQUENCY STABILITY	24
7 TEST SETUP PHOTOS.....	26
8 EUT CONSTRUCTIONAL PHOTOS.....	27

4 Test Summary

Test Item	Test Standard Section		Result
	FCC	IC	
Antenna requirement	15.203	RSS-GEN 6.8	Pass
Field strength of the fundamental signal	15.231 (b)	RSS-210 Annex A Section A.1.2 (a)	Pass
Spurious emissions	15.231 (b)/15.209	RSS-210 Annex A Section A.1.2 (b)	Pass
20dB Bandwidth	15.231 (c)	RSS-210 Annex A Section A.1.3	Pass
Duration time	15.231 (a)(1)	RSS-210 Annex A Section A.1.1 (a)	Pass
Frequency stability	/	RSS-GEN Section 8.11	Pass
Conducted Emission	15.207	RSS-GEN Section 8.8	N/A

Remarks:

1. Pass: The EUT complies with the essential requirements in the standard.
2. N/A: The EUT not applicable of the test item.
3. The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (provided by the customer).

Test Method:	ANSI C63.4-2014 ANSI C63.10-2013
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5 General Information

5.1 Client Information

Applicant:	Remote Tech LLC
Address:	310 ALDER RD, DOVER DE 19904 USA
Manufacturer:	Remote Tech LLC
Address:	310 ALDER RD, DOVER DE 19904 USA

5.2 General Description of E.U.T.

Product Name:	keyless transmitter
Model No.:	RT-NSU516, RT-NSU515
Operation Frequency:	315MHz
Channel numbers:	1
Modulation type:	ASK
Antenna Type:	PCB antenna
Antenna gain:	0 dBi
Power supply:	DC 3V (CR2025 battery)
Test Sample Condition:	The test samples were provided in good working order with no visible defects.
Remark:	The remote control has two models, named as: RT-NSU516, RT-NSU515.The shell has 5 and 6 buttons, the PCB funtion is the same.

5.3 Test mode

Transmitting mode:	Keep the EUT in transmitting mode with modulation (new battery used)					
Pre-Test Mode:						
CCIS has verified the construction and function in typical operation, The EUT was placed on three different polar directions; i.e. X axis, Y axis, Z axis. which was shown in this test report and defined as follows:						
Axis	X	Y	Z			
Field Strength(dBuV/m)	79.79	79.61	79.55			
Final Test Mode:						
According to ANSI C63.4 standards, the test results are both the "worst case" and "worst setup": X axis (see the test setup photo)						

5.4 Description of Support Units

N/A

5.5 Measurement Uncertainty

Parameters	Expanded Uncertainty
Radiated Emission (9kHz ~ 30MHz)	±3.12 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	±4.32 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	±5.16 dB (k=2)
Radiated Emission (18GHz ~ 40GHz)	±3.20 dB (k=2)

5.6 Additions to, deviations, or exclusions from the method

No

5.7 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC - Designation No.: CN1211**

Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

- **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

- **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <https://portal.a2la.org/scopepdf/4346-01.pdf>

5.8 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Address: No.110~116, Building B, Jinyuan Business Building, Xixiang Road,
Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755-23118282, Fax: +86-755-23116366

Email: info@ccis-cb.com, Website: <http://www.ccis-cb.com>

5.9 Test Instruments list

Radiated Emission:					
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m SAC	SAEMC	9m*6m*6m	966	07-22-2017	07-21-2020
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-07-2020	03-06-2021
Broadband Antenna	SCHWARZBECK	VUBA9117	359	06-22-2017	06-21-2020
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-07-2020	03-06-2021
Horn Antenna	SCHWARZBECK	BBHA9120D	1805	06-22-2017	06-21-2020
Horn Antenna	SCHWARZBECK	BBHA9170	582	11-18-2019	11-17-2020
Loop Antenna	SCHWARZBECK	FMZB1519 B	00044	03-07-2020	03-06-2021
EMI Test Software	AUDIX	E3	Version: 6.110919b		
Pre-amplifier	HP	8447D	2944A09358	03-07-2020	03-06-2021
Pre-amplifier	CD	PAP-1G18	11804	03-07-2020	03-06-2021
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-07-2020	03-06-2021
Spectrum analyzer	Rohde & Schwarz	FSP40	100363	11-18-2019	11-17-2020
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-07-2020	03-06-2021
Simulated Station	Anritsu	MT8820C	6201026545	03-07-2020	03-06-2021
Cable	ZDECL	Z108-NJ-NJ-81	1608458	03-07-2020	03-06-2021
Cable	MICRO-COAX	MFR64639	K10742-5	03-07-2020	03-06-2021
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-07-2020	03-06-2021
DC Power Supply	XinNuoEr	WYK-10020K	1409050110020	09-25-2019	09-24-2020
Temperature Humidity Chamber	HengPu	HPGDS-500	20140828008	11-01-2019	10-31-2020

6 Test results and Measurement Data

6.1 Antenna requirement

Standard requirement:	FCC Part15 C Section 15.203
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.
E.U.T Antenna:	The EUT make use of a PCB antenna, The typical gain of the antenna is 0 dBi.

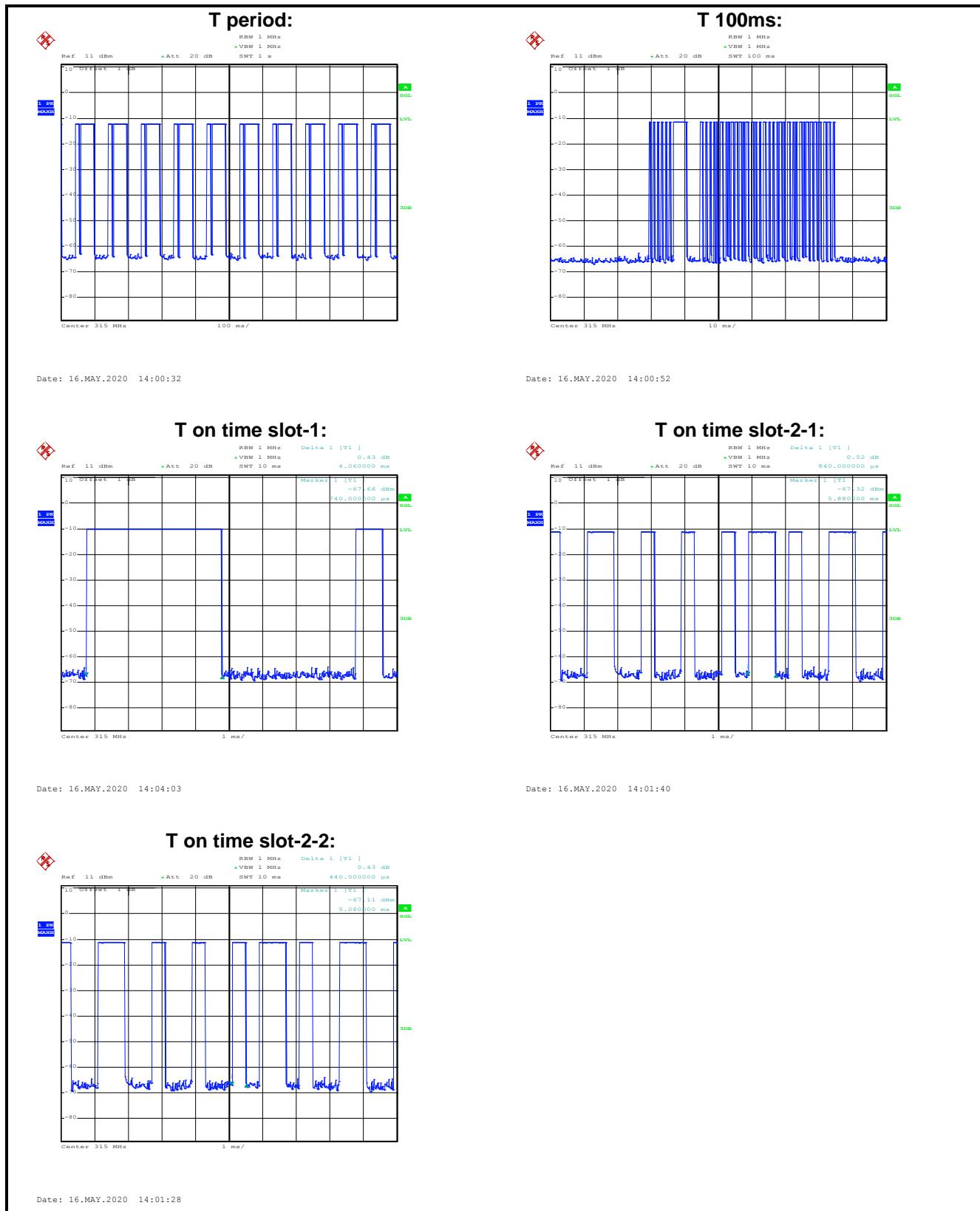
6.2 Radiated Emission

Test Requirement:	FCC Part15 C Section 15.231(a) and 15.209 RSS-210 Annex A Section A.1.2								
Test Frequency Range:	30MHz to 3500MHz								
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)								
Receiver setup:	Frequency	Detector	RBW	VBW	Remark				
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak Value				
	Above 1GHz	Peak	1MHz	3MHz	Peak Value				
Limit: (Field strength of the fundamental signal)	Frequency		Limit (dBuV/m @3m)		Remark				
	315MHz		75.60		Average Value				
			95.60		Peak Value				
Limit: (Spurious Emissions)	Frequency	Limit (dBuV/m @3m)		Remark					
	30MHz-88MHz	40.0		Quasi-peak Value					
	88MHz-216MHz	43.5		Quasi-peak Value					
	216MHz-960MHz	46.0		Quasi-peak Value					
	960MHz-1GHz	54.0		Quasi-peak Value					
	Above 1GHz	54.0		Average Value					
Or The maximum permitted unwanted emission level is 20 dB below the maximum permitted fundamental level whichever limit permits higher field strength.									
Test Procedure:	<ol style="list-style-type: none"> The EUT was placed on the top of a rotating table 0.8m(below 1GHz)/1.5m(above 1GHz) above the ground at a 3 meter chamber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 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. 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 and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 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. 								

Test setup:	<p>Below 1GHz</p> <p>Above 1GHz</p>
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

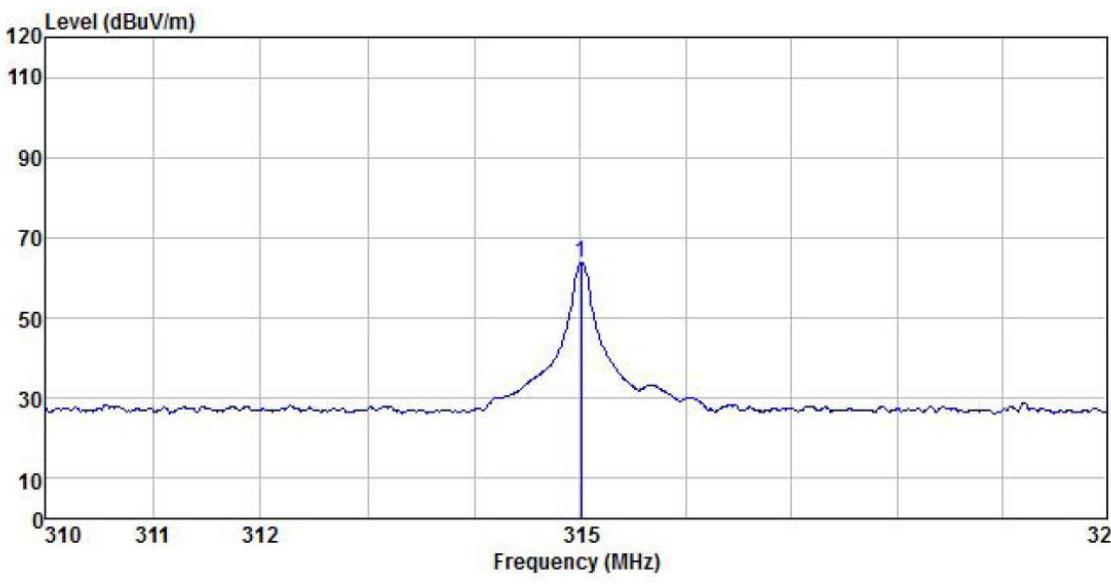
6.2.1 Field Strength Of The Fundamental Signal

Peak value										
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization		
315	42.06	18.73	2.99	0.00	63.78	95.62	-31.84	Vertical		
315	58.07	18.73	2.99	0.00	79.79	95.62	-15.83	Horizontal		
Average value										
Frequency (MHz)	Level (dBuV/m)		Duty Cycle factor	Average value (dBuV/m)		Limit Line (dBuV/m)	Over Limit (dB)	Polarization		
315	63.78		-5.98	57.80		75.62	-17.82	Vertical		
315	79.79		-5.98	73.81		75.62	-1.81	Horizontal		
Calculate Formula:	Average value=Peak value + Duty Cycle Factor									
	Duty cycle factor = $20\log(\text{Duty cycle})$									
	Duty cycle = on time/100 milliseconds or period, whichever is less									
Test data:	T on time = $(0.84\text{ms} \times 16 + 0.44\text{ms} \times 23 + 4.06\text{ms} \times 1) = 27.62(\text{ms})$									
	T period = $55(\text{ms}) < 100(\text{ms})$									
	Duty cycle = 50.22%									
	Duty cycle factor = $20\log(\text{Duty cycle}) = -5.98$									



Test Plots:

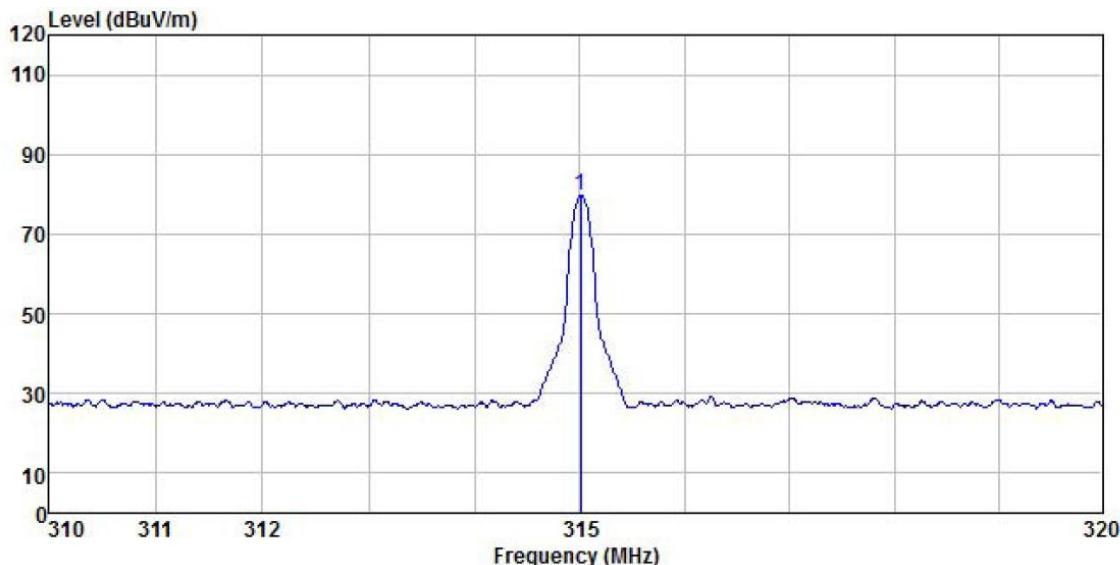
Product Name:	keyless transmitter	Product Model:	RT-NSU516
Test By:	Yaro	Test mode:	Tx mode
Test Frequency:	315 MHz	Polarization:	Vertical
Test Voltage:	DC 3V	Environment:	Temp: 24°C Huni: 57%



	Read	Antenna	Cable	Aux	Preamp	Limit	Over	Remark
Freq	Level	Factor	Loss	Factor	Factor	Level	Line	Limit
MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB
1	315.010	42.06	18.73	2.99	0.00	0.00	63.78	-----

Remark:
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

Product Name:	keyless transmitter	Product Model:	RT-NSU516
Test By:	Yaro	Test mode:	Tx mode
Test Frequency:	315 MHz	Polarization:	Horizontal
Test Voltage:	DC 3V	Environment:	Temp: 24°C Huni: 57%



Freq	Read Level	Antenna Factor	Cable Loss	Aux Factor	Preamplifier Factor	Limit Level	Line Limit	Over Limit	Remark
MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB	
1	315.010	58.07	18.73	2.99	0.00	0.00	79.79	-----	-----

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

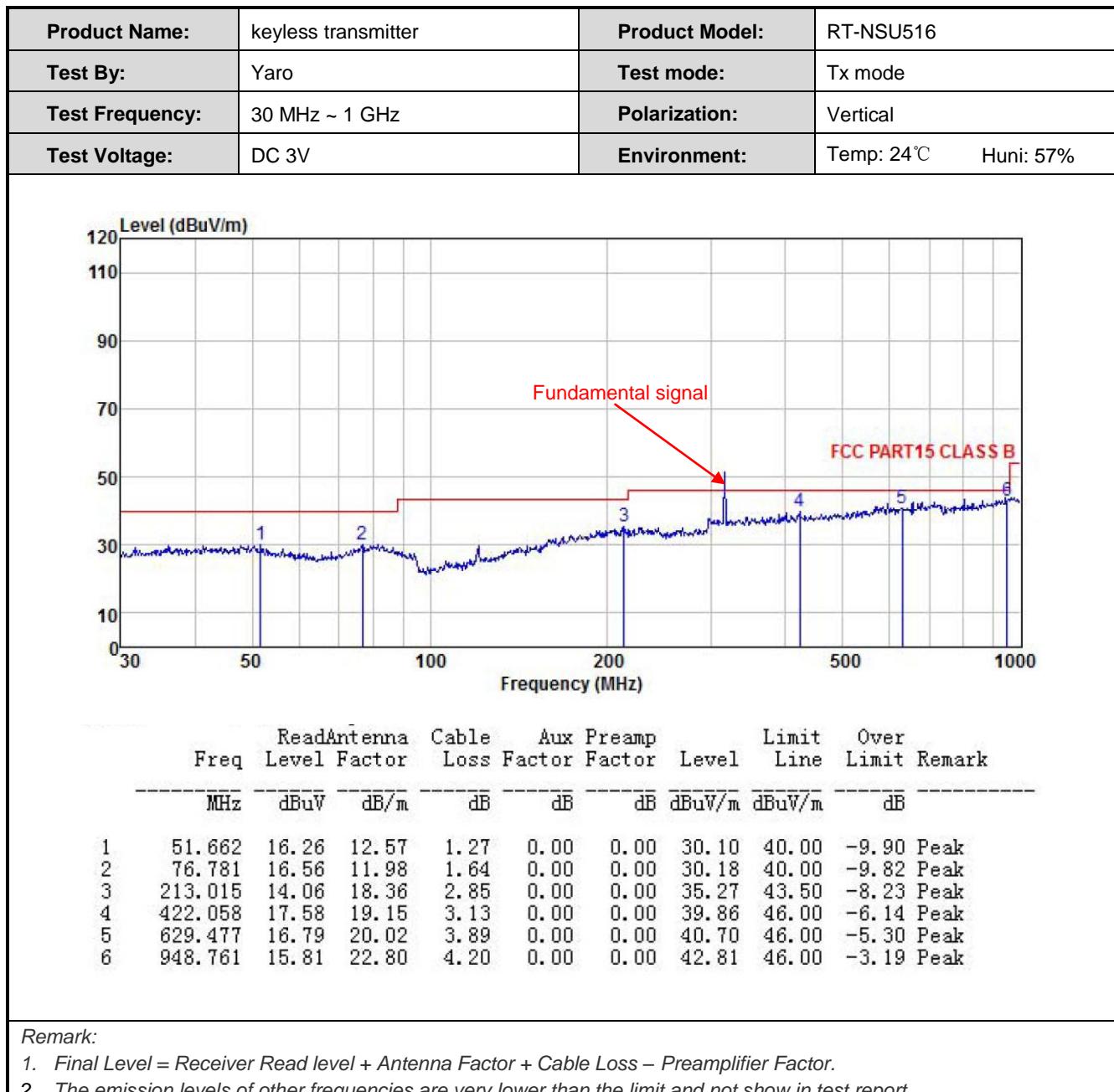
6.2.2 Spurious Emissions

Below 1GHz (30MHz-1000MHz)								
Peak value								
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
630.00	16.79	20.02	3.89	0.00	40.70	75.62	-34.92	Vertical
945.00	15.81	22.80	4.16	0.00	42.77	75.62	-32.85	Vertical
630.00	16.08	20.02	3.89	0.00	39.99	75.62	-35.63	Horizontal
945.00	15.90	22.80	4.16	0.00	42.86	75.62	-32.76	Horizontal
Average value								
Frequency (MHz)	Level (dBuV/m)	Duty cycle factor	Average value (dBuV/m)		Limit Line (dBuV/m)	Over Limit (dB)	Polarization	
630.00	40.70	-5.98	34.72		55.62	-20.90	Vertical	
945.00	42.77	-5.98	36.79		55.62	-18.83	Vertical	
630.00	39.99	-5.98	34.01		55.62	-21.61	Horizontoal	
945.00	42.86	-5.98	36.88		55.62	-18.74	Horizontoal	

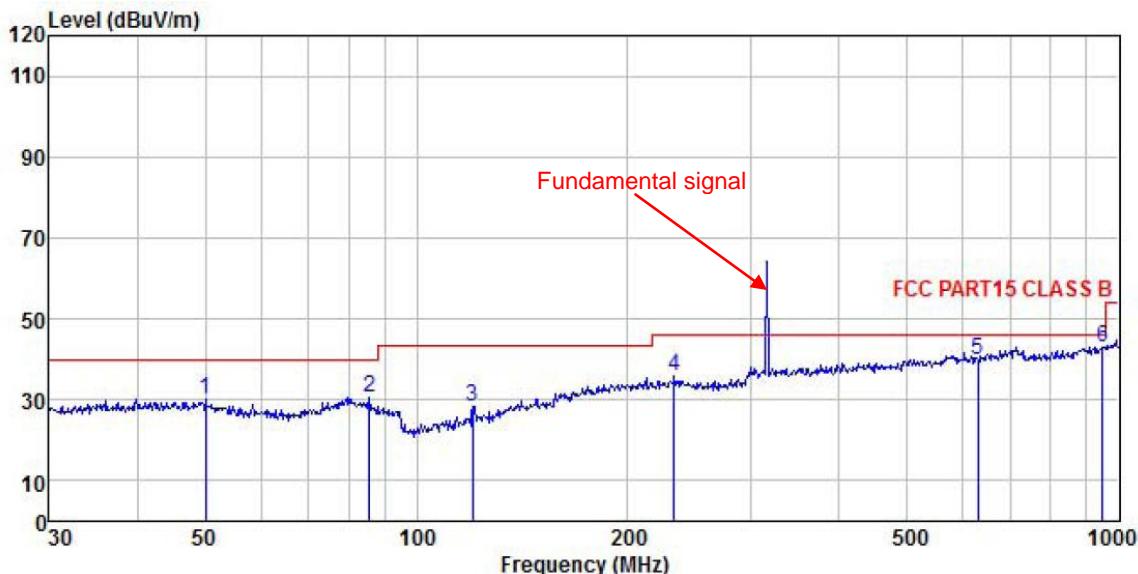
Remark: Average value=Peak value + Duty Cycle Factor.

Above 1GHz									
Peak value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
1260.00	45.36	24.62	3.41	1.24	41.05	33.58	75.62	-42.04	Vertical
1575.00	47.32	24.95	3.82	1.39	41.03	36.45	74.00	-37.55	Vertical
1890.00	45.09	25.57	4.22	1.55	41.41	35.02	75.62	-40.60	Vertical
2205.00	45.41	26.56	4.50	1.64	41.68	36.43	74.00	-37.57	Vertical
2520.00	45.87	27.35	4.85	1.71	41.90	37.88	75.62	-37.74	Vertical
2835.00	46.24	28.07	5.18	1.84	41.63	39.70	74.00	-34.30	Vertical
3150.00	46.68	28.50	5.40	1.98	41.43	41.13	75.62	-34.49	Vertical
1260.00	45.73	24.62	3.41	1.24	41.05	33.95	75.62	-41.67	Horizontoal
1575.00	48.88	24.95	3.82	1.39	41.03	38.01	74.00	-35.99	Horizontoal
1890.00	45.30	25.57	4.22	1.55	41.41	35.23	75.62	-40.39	Horizontoal
2205.00	45.52	26.56	4.50	1.64	41.68	36.54	74.00	-37.46	Horizontoal
2520.00	46.04	27.35	4.85	1.71	41.90	38.05	75.62	-37.57	Horizontoal
2835.00	45.77	28.07	5.18	1.84	41.63	39.23	74.00	-34.77	Horizontoal
3150.00	46.20	28.50	5.40	1.98	41.43	40.65	75.62	-34.97	Horizontoal

Average value						
Frequency (MHz)	Level (dBuV/m)	Duty cycle factor	Average value (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
1260.00	33.58	-5.98	27.60	55.62	-28.02	Vertical
1575.00	36.45	-5.98	30.47	54.00	-23.53	Vertical
1890.00	35.02	-5.98	29.04	55.62	-26.58	Vertical
2205.00	36.43	-5.98	30.45	54.00	-23.55	Vertical
2520.00	37.88	-5.98	31.90	55.62	-23.72	Vertical
2835.00	39.70	-5.98	33.72	54.00	-20.28	Vertical
3150.00	41.13	-5.98	35.15	55.62	-20.47	Vertical
1260.00	33.95	-5.98	27.97	55.62	-27.65	Horizontoal
1575.00	38.01	-5.98	32.03	54.00	-21.97	Horizontoal
1890.00	35.23	-5.98	29.25	55.62	-26.37	Horizontoal
2205.00	36.54	-5.98	30.56	54.00	-23.44	Horizontoal
2520.00	38.05	-5.98	32.07	55.62	-23.55	Horizontoal
2835.00	39.23	-5.98	33.25	54.00	-20.75	Horizontoal
3150.00	40.65	-5.98	34.67	55.62	-20.95	Horizontoal

Test Plots:

Product Name:	keyless transmitter	Product Model:	RT-NSU516
Test By:	Yaro	Test mode:	Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	DC 3V	Environment:	Temp: 24°C Huni: 57%

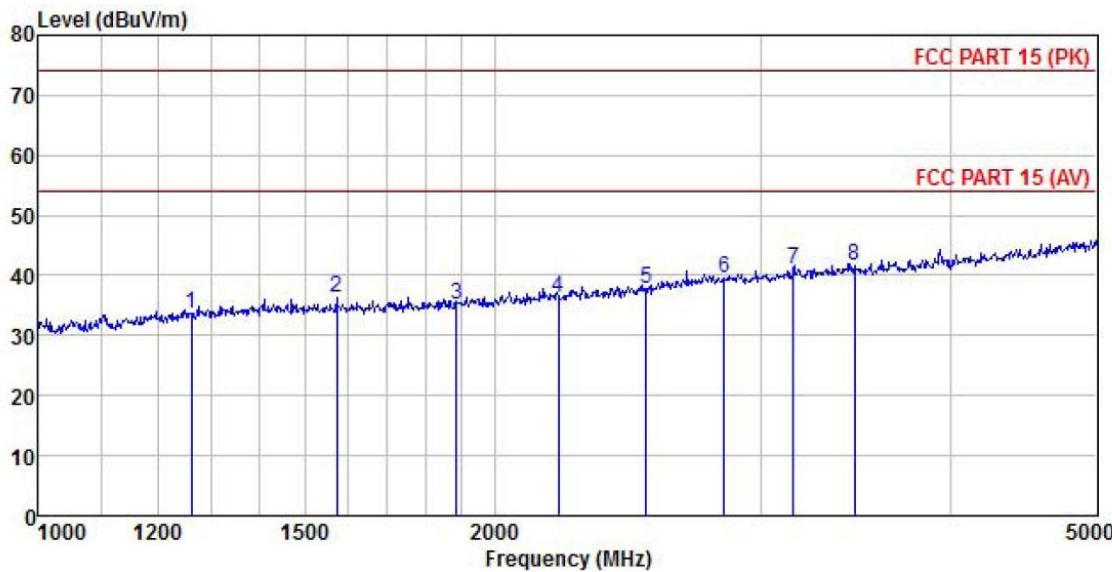


Freq MHz	ReadAntenna Level dBuV	Antenna Factor dB/m	Cable Loss dB	Aux Factor dB	Preamplifier Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Line dB	Over Limit Remark
1 50.057	15.44	13.20	1.25	0.00	0.00	29.89	40.00	-10.11	Peak
2 85.598	17.35	11.34	1.87	0.00	0.00	30.56	40.00	-9.44	Peak
3 120.277	15.62	10.76	2.17	0.00	0.00	28.55	43.50	-14.95	Peak
4 232.532	14.49	18.43	2.83	0.00	0.00	35.75	46.00	-10.25	Peak
5 629.477	16.08	20.02	3.89	0.00	0.00	39.99	46.00	-6.01	Peak
6 948.761	15.90	22.80	4.20	0.00	0.00	42.90	46.00	-3.10	Peak

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product Name:	keyless transmitter	Product Model:	RT-NSU516
Test By:	Yaro	Test mode:	Tx mode
Test Frequency:	1 GHz ~ 5 GHz	Polarization:	Vertical
Test Voltage:	DC 3V	Environment:	Temp: 24°C Huni: 57%

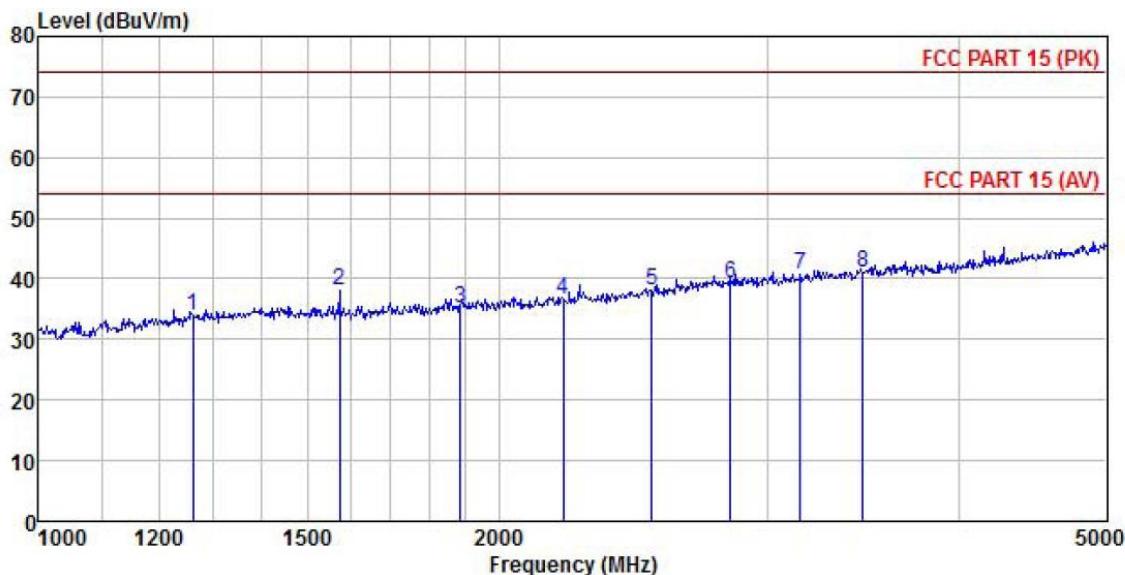


Freq	Read	Antenna	Cable	Aux	Preampl	Limit	Over	Line	Limit	Remark
	Freq	Level	Factor	Loss	Factor					
	MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB	
1	1260.816	45.36	24.62	3.41	1.24	41.05	33.58	74.00	-40.42	Peak
2	1574.380	47.32	24.95	3.82	1.39	41.03	36.45	74.00	-37.55	Peak
3	1888.396	45.09	25.57	4.22	1.55	41.41	35.02	74.00	-38.98	Peak
4	2203.912	45.41	26.56	4.50	1.64	41.68	36.43	74.00	-37.57	Peak
5	2518.887	45.87	27.35	4.85	1.71	41.90	37.88	74.00	-36.12	Peak
6	2837.478	46.24	28.07	5.18	1.84	41.63	39.70	74.00	-34.30	Peak
7	3150.399	46.68	28.50	5.40	1.98	41.43	41.13	74.00	-32.87	Peak
8	3458.644	46.35	28.68	5.70	2.18	41.41	41.50	74.00	-32.50	Peak

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

Product Name:	keyless transmitter	Product Model:	RT-NSU516
Test By:	Yaro	Test mode:	Tx mode
Test Frequency:	1 GHz ~ 5 GHz	Polarization:	Horizontal
Test Voltage:	DC 3V	Environment:	Temp: 24°C Huni: 57%



Freq MHz	Read	Antenna	Cable	Aux	Preamp	Limit Level dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
	Freq	Level dBuV	Antenna Factor	Cable Loss dB	Aux Factor				
1 1260.816	45.73	24.62	3.41	1.24	41.05	33.95	74.00	-40.05	Peak
2 1574.380	48.88	24.95	3.82	1.39	41.03	38.01	74.00	-35.99	Peak
3 1888.396	45.30	25.57	4.22	1.55	41.41	35.23	74.00	-38.77	Peak
4 2203.912	45.52	26.56	4.50	1.64	41.68	36.54	74.00	-37.46	Peak
5 2518.887	46.04	27.35	4.85	1.71	41.90	38.05	74.00	-35.95	Peak
6 2837.478	45.77	28.07	5.18	1.84	41.63	39.23	74.00	-34.77	Peak
7 3150.399	46.20	28.50	5.40	1.98	41.43	40.65	74.00	-33.35	Peak
8 3464.215	45.78	28.62	5.71	2.12	41.42	40.93	74.00	-33.07	Peak

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

6.3 20dB Bandwidth

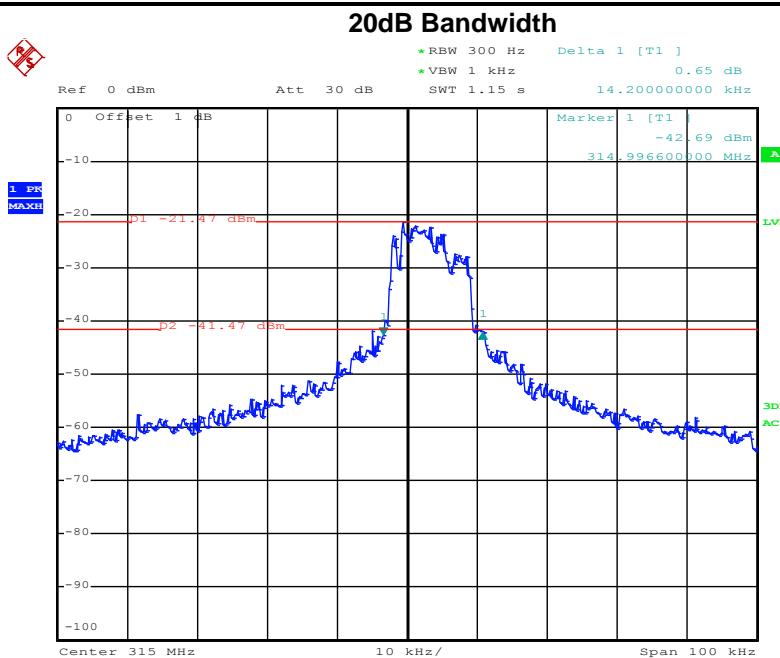
Test Requirement:	FCC Part15 C Section 15.231 (c) RSS-210 Annex A Section A.1.3
Receiver setup:	RBW=1kHz, VBW=3kHz, detector: Peak
Limit:	The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz. For devices operating above 900 MHz, the emission shall be no wider than 0.5% of the center frequency. Bandwidth is determined at the points 20 dB down from the modulated carrier.
Test Procedure:	<ol style="list-style-type: none"> 1. According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT. 2. Set the EUT to proper test channel. 3. Max hold the radiated emissions, mark the peak power frequency point and the -20dB upper and lower frequency points. 4. Read 20dB bandwidth.
Test setup:	<p style="text-align: center;">Spectrum Analyzer</p> <p style="text-align: center;">Non-Conducted Table</p> <p style="text-align: center;">Ground Reference Plane</p>
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data:

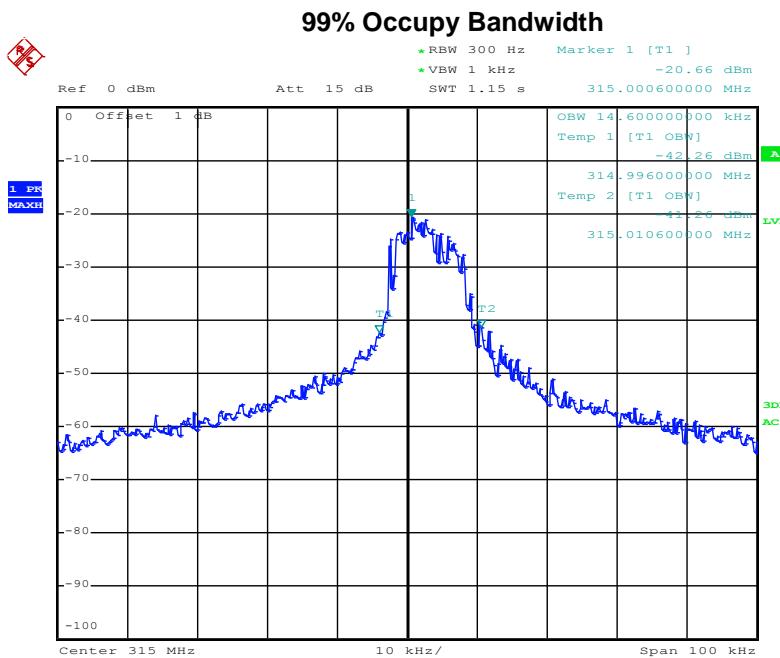
20dB bandwidth (MHz)	Limit (MHz)	99% Occupy Bandwidth (MHz)	Results
0.0142	0.7875	0.0146	Passed

Note: 20dB bandwidth Limit= Fundamental frequency×0.25%=315×0.25%=0.7875MHz

Test plot as follows:

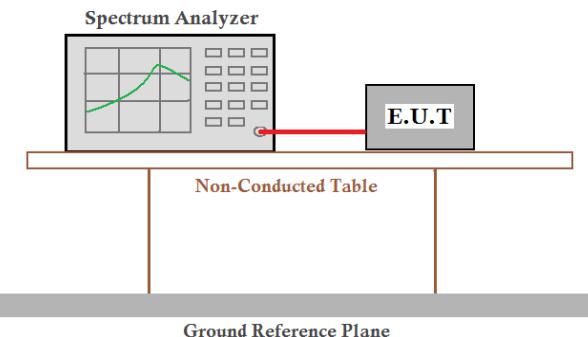


Date: 22.JUN.2020 11:19:52



Date: 22.JUN.2020 11:14:57

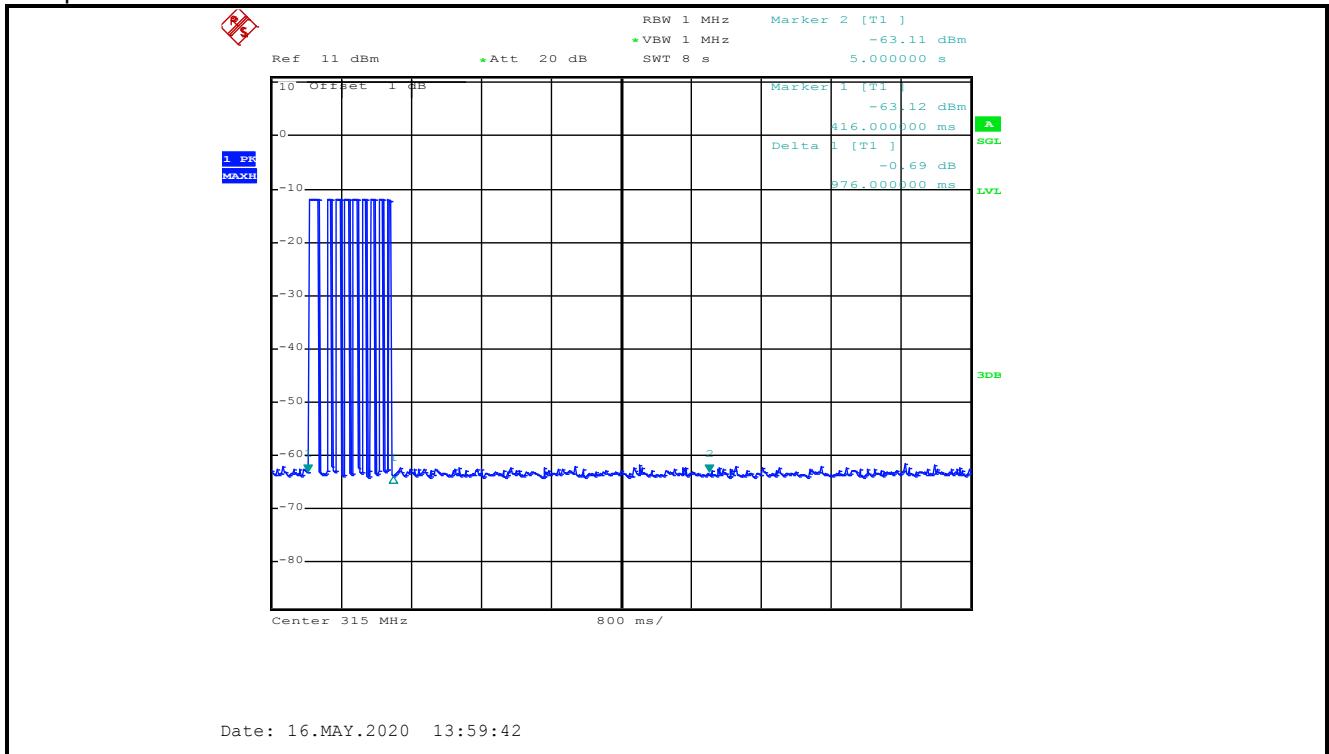
6.4 Duration Time

Test Requirement:	FCC Part15 C Section 15.231 (a) RSS-210 Annex A Section A.1.1 (a)
Receiver setup:	RBW=100kHz, VBW=300kHz, span=0Hz, detector: Peak
Limit:	Not more than 5 seconds
Test mode:	Transmitting mode
Test Procedure:	<ol style="list-style-type: none"> According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT. Set the EUT to proper test channel. Single scan the transmission, and read the transmission time.
Test setup:	 <p>The diagram illustrates the test setup. A Spectrum Analyzer is positioned above a Non-Conducted Table. An E.U.T (Equipment Under Test) is placed on the table. A red line connects the Spectrum Analyzer to the E.U.T, representing a coaxial cable. The entire setup rests on a horizontal grey bar labeled 'Ground Reference Plane'.</p>
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

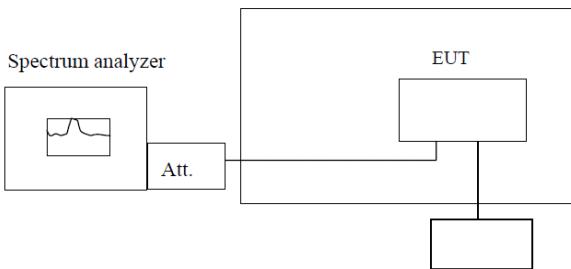
Measurement Data

Duration time (second)	Limit (second)	Result
0.416	<5.0	Pass

Test plot as follows:



6.5 Frequency Stability

Test Requirement:	RSS-GEN Section 8.11
Limit:	kept within at least the central 80% of its permitted operating frequency band.
Test setup:	<p style="text-align: center;">Temperature Chamber</p>  <p style="text-align: center;">Note : Measurement setup for testing on Antenna connector</p>
<p>Test procedure:</p> <ol style="list-style-type: none"> 1. The EUT is installed in an environment test chamber with external power source. 2. Set the chamber to operate at 50 centigrade and external power source to output at nominal voltage of EUT. 3. A sufficient stabilization period at each temperature is used prior to each frequency measurement. 4. When temperature is stabled, measure the frequency stability. 5. The test shall be performed under -30 to 50 centigrade and 85 to 115 percent of the nominal voltage. Change setting of chamber and external power source to complete all conditions. 	
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data:

Voltage vs. Frequency Stability

Test conditions		Measurement Frequency (MHz)	Limit (MHz)
Temp(°C)	Voltage(ac)		
20	3.2V	314.9996	281 ~ 449
	3.0V	314.9998	
	2.5V	314.9992	

Note: EUT stops working when the supply voltage is lower than DC 2.5V..

Temperature vs. Frequency Stability

Test conditions		Frequency(MHz)	Limit (MHz)
Voltage(dc)	Temp(°C)		
3 V	-20	314.9992	281 ~ 449
	-10	314.9994	
	0	314.9997	
	10	314.9999	
	20	314.9995	
	30	314.9994	
	40	314.9993	
	50	314.9991	

Test plot as follows (worst case):

