

FCC Radio Test Report

FCC ID: 2ATH8202205080123

Original Grant

Report No. : TBR-C-202203-0260-1
Applicant : YING JIANG Technology Toys
Equipment Under Test (EUT)
EUT Name : remote control car
Model No. : MT1335
Series Model No. : Please Refer To Page 5
Brand Name : -----
Sample ID : 202205-0069_01-01
Receipt Date : 2022-05-11
Test Date : 2022-05-11 to 2022-05-19
Issue Date : 2022-05-19
Standards : FCC Part 15, Subpart C(15.227)
Test Method : ANSI C63.10: 2013
Conclusions : **PASS**

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

Test/Witness Engineer : *Camille Li*

Engineer Supervisor : *Ivan Su*

Engineer Manager : *Ray Lai*



Camille Li

Ivan Su

Ray Lai

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. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

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Revision History

Report No.	Version	Description	Issued Date
TBR-C-202205-0069-1	Rev.01	Initial issue of report	2022-05-19

1. General Information about EUT

1.1 Client Information

Applicant	:	YING JIANG Technology Toys
Address	:	Hengxin Building material Opposite 324 National Road, Lianshang Town, Chenghai District, Shantou City, Guangdong Province, China
Manufacturer	:	YING JIANG Technology Toys
Address	:	Hengxin Building material Opposite 324 National Road, Lianshang Town, Chenghai District, Shantou City, Guangdong Province, China

1.2 General Description of EUT (Equipment Under Test)

EUT Name	:	remote control car				
Model(s)	:	MT1335, PT1939, YJ-003, YJ-005, YJ-006, YJ-007, YJ-009, YJ-010, YJ-011, YJ-012, YJ-013, YJ-014, YJ-015, YJ-016, YJ-017, YJ-018, YJ-019, YJ-020, YJ-021, YJ-022, YJ-023, YJ-024, YJ-004, YJ-004-1, YJ-004-2, YJ-038, YJ-039, YJ-040, YJ-041, YJ-042, YJ-043, YJ-044, YJ-045, YJ-046, YJ-047, YJ-048, YJ-051, YJ-051-1, YJ-052-1, YJ-050, YJ-049, YJ-052, YJ-053-4, YJ-053-3, YJ-053-2, YJ-053-1, YJ-053-5, YJ-057-1, YJ-058-1, YJ-058-2, YJ-059-1, YJ-059-2, YJ-060, YJ-061-1, YJ-061-2, YJ-062-1, YJ-062-2, YJ-062-3, YJ-062-4, YJ-062-5, YJ-062-6, YJ-062-7, YJ-062-8, YJ-062-9, YJ-062-10, YJ-062-11, YJ-062-12, YJ-062-13, YJ-062-14, YJ-062-15, YJ-062-16, YJ-062-17, YJ-062-18, YJ-062-19, YJ-062-20, YJ-072-1, YJ-072-2, YJ-073-1, YJ-073-2, YJ-074, YJ-075-1, YJ-075-2, YJ-075-3, YJ-075-4, YJ-076-1, YJ-076-2, YJ-076-3, YJ-076-4, YJ-077, YJ-078-1, YJ-079-1, YJ-078-4, YJ-078-3, YJ-078-2, YJ-079-2, YJ-079-3, YJ-079-4, YJ-080-1, YJ-080-2, YJ-080-3, YJ-080-4, YJ-081-1, YJ-081-2, YJ-081-3, YJ-081-4, YJ-082-1, YJ-082-2, YJ-082-3, YJ-082-4, YJ-083-1, YJ-083-2, YJ-083-3, YJ-083-4, YJ-084, YJ-084-1, YJ-084-2, YJ-084-3, YJ-084-4				
Model Difference	:	All these models are identical in the same PCB layout and electrical circuit, the only difference is that appearance.				
Product Description	:	<table border="1"> <tr> <td>Operation Frequency:</td> <td>27.14MHz</td> </tr> <tr> <td>Modulation Type:</td> <td>ASK</td> </tr> </table>	Operation Frequency:	27.14MHz	Modulation Type:	ASK
Operation Frequency:	27.14MHz					
Modulation Type:	ASK					

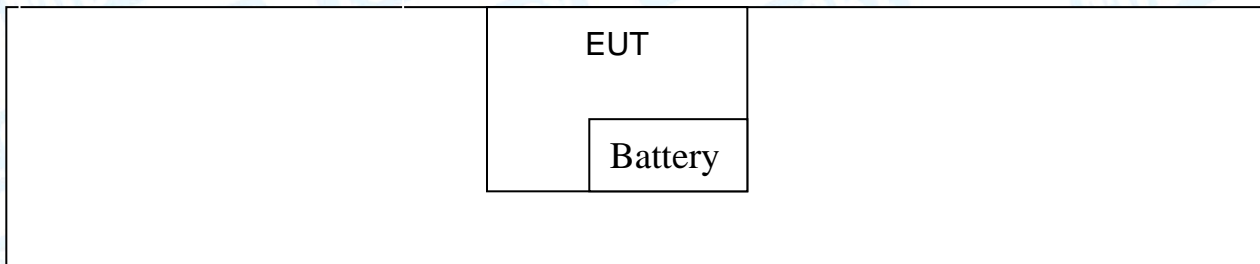
	Antenna:	Spring Antenna
Power Rating	:	DC 1.5V by AA battery*2
Software Version	:	V.0
Hardware Version	:	V.0
Connecting I/O Port(S)	:	Please refer to the User's Manual

Note:

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

1.3 Block Diagram Showing the Configuration of System Tested

TX Mode



1.4 Description of Support Units

Equipment Information				
Name	Model	S/N	Manufacturer	Used “√”
-----	-----	-----	-----	√

1.5 Description of Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned follow was evaluated respectively.

Pretest Mode	
Final Test Mode	Description
Mode 1	TX Mode
For Radiated Test	
Final Test Mode	Description
Mode 1	TX Mode
For Bandwidth Test	
Final Test Mode	Description
Mode 1	TX Mode

Note:

- (1) For all test, we have verified the construction and function in typical operation. And all the test modes were carried out with the EUT in transmitting operation in maximum power with all kinds of data rate.
According to ANSI C63.10 standards, All test modes were pre-tested, but we only recorded the worst case in this report.
- (2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.
- (3) The EUT is considered a portable unit; in normal use it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.

1.6 Description of Test Software Setting

During testing channel & Power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of RF setting.

Test Software Version	N/A
Frequency	27.14MHz

1.7 Measurement Uncertainty

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

Test Item	Parameters	Expanded Uncertainty (U_{Lab})
Conducted Emission	Level Accuracy: 9kHz~150kHz 150kHz to 30MHz	± 3.50 dB ± 3.10 dB
Radiated Emission	Level Accuracy: 9kHz to 30 MHz	± 4.60 dB
Radiated Emission	Level Accuracy: 30MHz to 1000 MHz	± 4.50 dB
Radiated Emission	Level Accuracy: Above 1000MHz	± 4.20 dB

1.8 Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1/F.,Building 6, Rundongsheng Industrial Zone, Longzhu, Xixiang, Bao'an District, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

A2LA Certificate No.: 4750.01

The laboratory has been accredited by American Association for Laboratory Accreditation(A2LA) to ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the technical competence in the field of Electrical Testing. And the A2LA Certificate No.: 4750.01.FCC Accredited Test Site Number: 854351. Designation Number: CN1223.

IC Registration No.: (11950A)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A. CAB identifier: CN0056.

2. Test Summary

FCC Part 15 Subpart C(15.227)			
Standard Section	Test Item	Judgment	Remark
15.203	Antenna Requirement	PASS	N/A
15.207(a)	Conducted Emission	PASS	N/A
15.209(a)(f) & 15.205	Radiated emissions	PASS	N/A
15.227	Field strength emissions	PASS	N/A
15.215	20dB Bandwidth	PASS	N/A

Note: N/A is an abbreviation for Not Applicable.

3. Test Software

Test Item	Test Software	Manufacturer	Version No.
Conducted Emission	EZ-EMC	EZ	CDI-03A2
Radiation Emission	EZ-EMC	EZ	FA-03A2RE

4. Test Equipment

Conducted Emission Test					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jul. 02, 2021	Jul. 01, 2022
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jul. 02, 2021	Jul. 01, 2022
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jul. 02, 2021	Jul. 01, 2022
LISN	Rohde & Schwarz	ENV216	101131	Jul. 02, 2021	Jul. 01, 2022
Radiation Emission Test					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 02, 2021	Jul. 01, 2022
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jul. 02, 2021	Jul. 01, 2022
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Feb. 28, 2022	Feb. 27, 2024
Horn Antenna	ETS-LINDGREN	3117	00143207	Feb. 28, 2022	Feb. 27, 2024
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jul. 06, 2021	Jul. 05, 2022
Pre-amplifier	Sonoma	310N	185903	Feb. 24, 2022	Feb. 23, 2023
Pre-amplifier	HP	8449B	3008A00849	Feb. 24, 2022	Feb. 23, 2023
Cable	HUBER+SUHNER	100	SUCOFLEX	Feb. 24, 2022	Feb. 23, 2023
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A
Antenna Conducted Emission					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 02, 2021	Jul. 01, 2022
Spectrum Analyzer	Rohde & Schwarz	ESPI	100010/007	Jul. 02, 2021	Jul. 01, 2022
MXA Signal Analyzer	Agilent	N9020A	MY49100060	Sep. 10, 2021	Sep. 09, 2022
Vector Signal Generator	Agilent	N5182A	MY50141294	Sep. 10, 2021	Sep. 09, 2022
Analog Signal Generator	Agilent	N5181A	MY50141953	Sep. 10, 2021	Sep. 09, 2022
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO26	Sep. 10, 2021	Sep. 09, 2022
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO29	Sep. 10, 2021	Sep. 09, 2022
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO31	Sep. 10, 2021	Sep. 09, 2022
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO33	Sep. 10, 2021	Sep. 09, 2022

5. Conducted Emission Test

5.1 Test Standard and Limit

5.1.1 Test Standard

FCC Part 15.207

5.1.2 Test Limit

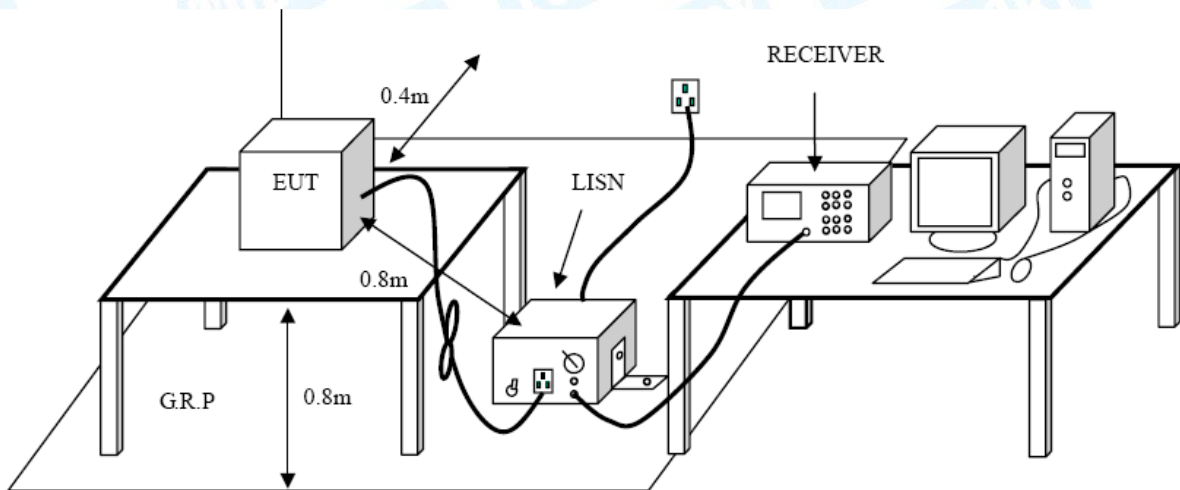
Conducted Emission Test Limit

Frequency	Maximum RF Line Voltage (dB μ V)	
	Quasi-peak Level	Average Level
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *
500kHz~5MHz	56	46
5MHz~30MHz	60	50

Notes:

- (1) *Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

5.2 Test Setup



5.3 Test Procedure

The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

LISN at least 80 cm from nearest part of EUT chassis.

The bandwidth of EMI test receiver is set at 9 kHz, and the test frequency band is from 0.15MHz to 30MHz.

5.4 Deviation From Test Standard

No deviation

5.5 EUT Operating Mode

Please refer to the description of test mode.

5.6 Test Data

Please refer to the Attachment A.

6. Radiated Emission Test

6.1 Test Standard and Limit

6.1.1 Test Standard

FCC Part 15.209(a)(f), Subpart C 15.227(a) .

6.1.2 Test Limit

Radiated Emission Limits (9 kHz~1000 MHz)

Frequency (MHz)	Field Strength (microvolt/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Note: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

Radiated Emission Limit (Above 1000MHz)

Frequency (MHz)	Distance of 3m (dBuV/m)	
	Peak	Average
Above 1000	74	54

Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission Level(dBuV/m)=20log Emission Level(uV/m)

Field Strength of the Fundamental Signal (15.227(a))

The field strength of any emission within this band shall not exceed 10,000 microvolts/meter at 3 meters. The emission limit in this paragraph is based on measurement instrumentation employing an average detector.

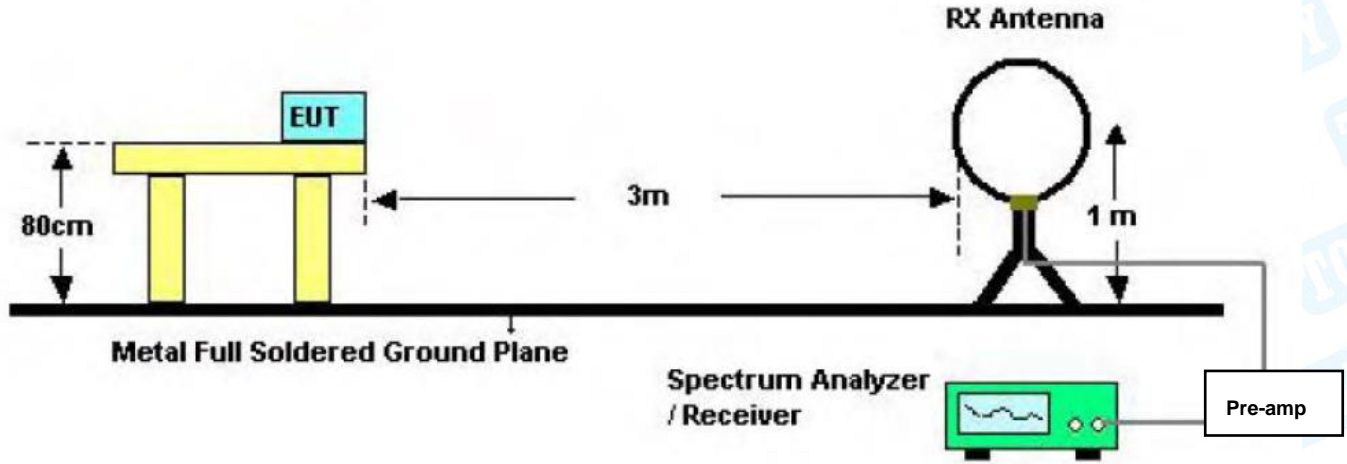
15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
\1\ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293.	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(2\)
13.36-13.41			

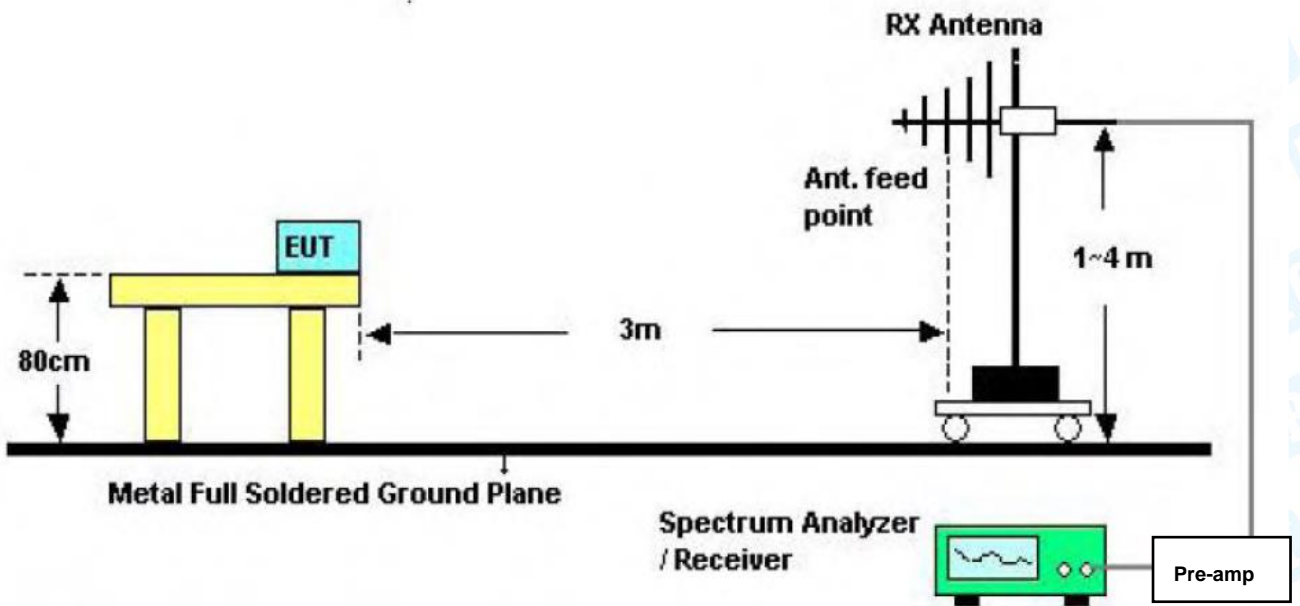
(1) Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

(2) Above 38.6

6.2 Test Setup



Below 30MHz Test Setup



Below 1000MHz Test Setup

6.3 Test Procedure

- (1) Measurements at frequency 9KHz~30MHz and Below 1GHz. The EUT was placed on a rotating 0.8m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The table was rotated 360 degrees to determine the position of the highest radiation.
- (2) 9KHz~30MHz the test antenna 1m away from the ground, Both 0° and 90° antenna are set to make measurement.
Below 1GHz the test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (3) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- (4) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (5) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (6) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (7) For 9kHz to 150kHz, Set the spectrum analyzer as:
RBW= 200Hz, VBW =1kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.
For 150kHz to 30MHz, Set the spectrum analyzer as:
RBW= 9KHz, VBW =30kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple
- (8) For the actual test configuration, please see the test setup photo.

6.4 Deviation From Test Standard

No deviation

6.5 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

6.6 Test Data

Please refer to the Attachment B.

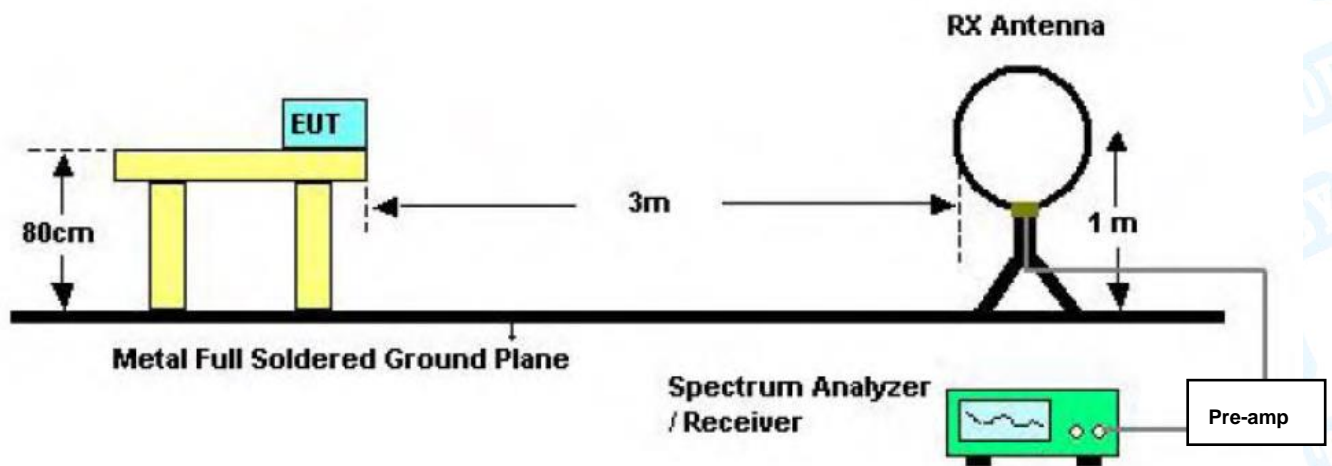
7. Bandwidth Measurement

7.1 Test Standard and Limit

7.1.1 Test Standard

FCC Part 15.215

7.2 Test Setup



7.3 Test Procedure

1. The transmitter shall be operated at its maximum carrier power measured under normal test conditions;
2. The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts.
3. The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the occupied bandwidth (OBW) and video bandwidth (VBW) shall be approximately 3x RBW.

7.4 Deviation From Test Standard

No deviation

7.5 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

7.6 Test Data

Please refer to the Attachment C.

8. Antenna Requirement

8.1 Standard Requirement

8.1.1 Standard

FCC Part 15.203

8.1.2 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 shall be considered sufficient to comply with the provisions of this Section. 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.

8.2 Deviation From Test Standard

No deviation

8.3 Antenna Connected Construction

The antenna is Spring Antenna, and the antenna connector is de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

8.4 Result

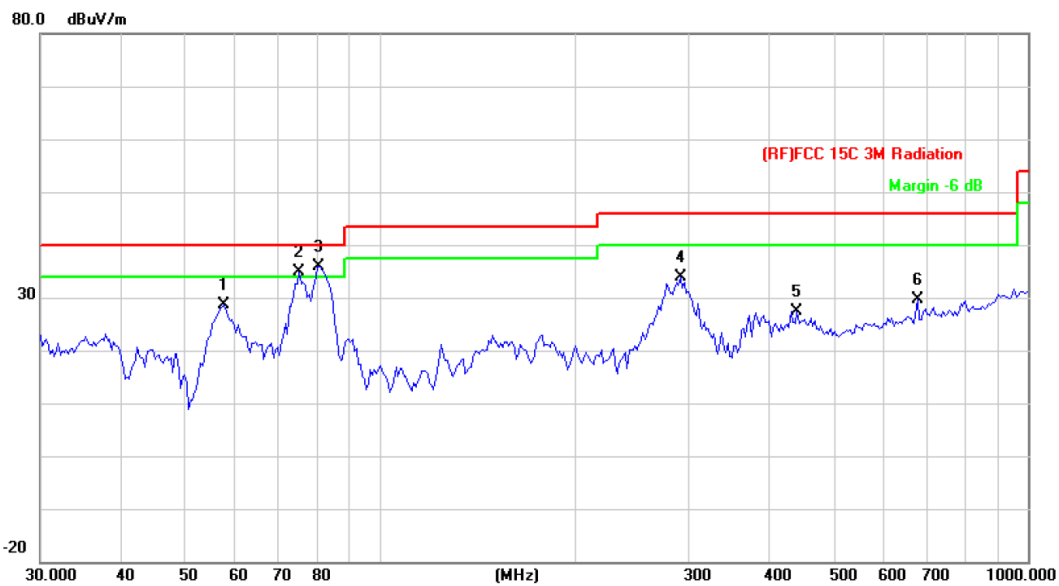
The EUT antenna is a Spring Antenna. It complies with the standard requirement.

Antenna Type
<input checked="" type="checkbox"/> Permanent attached antenna
<input type="checkbox"/> Unique connector antenna
<input type="checkbox"/> Professional installation antenna

Attachment A-- Radiated Emission Test Data

30MHz~1GHz

Temperature:	23.5°C	Relative Humidity:	46%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Horizontal		
Test Mode:	Mode 1		
Remark:	Only worse case is reported		



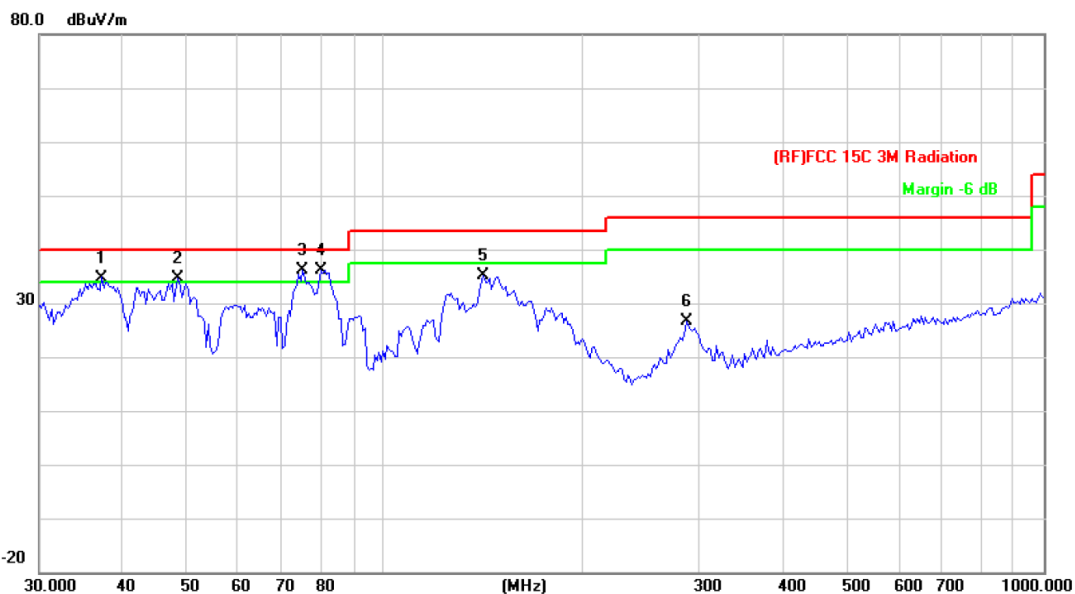
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		57.5939	52.93	-24.36	28.57	40.00	-11.43	peak
2	!	75.1822	58.14	-23.15	34.99	40.00	-5.01	peak
3	*	80.6442	58.58	-22.63	35.95	40.00	-4.05	peak
4		291.0360	50.38	-16.46	33.92	46.00	-12.08	peak
5		440.1963	39.53	-12.14	27.39	46.00	-18.61	peak
6		675.2080	37.06	-7.39	29.67	46.00	-16.33	peak

*:Maximum data x:Over limit !:over margin

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak (dBμV/m)-Limit QPK(dBμV/m)

Temperature:	23.5°C	Relative Humidity:	46%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Vertical		
Test Mode:	Mode 1		
Remark:	Only worse case is reported		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	!	37.2854	52.95	-18.20	34.75	40.00	-5.25	peak
2	!	48.6719	57.71	-23.12	34.59	40.00	-5.41	peak
3	!	75.1821	59.36	-23.15	36.21	40.00	-3.79	peak
4	*	80.0806	58.90	-22.66	36.24	40.00	-3.76	peak
5		141.3298	57.57	-22.49	35.08	43.50	-8.42	peak
6		286.9823	43.23	-16.56	26.67	46.00	-19.33	peak

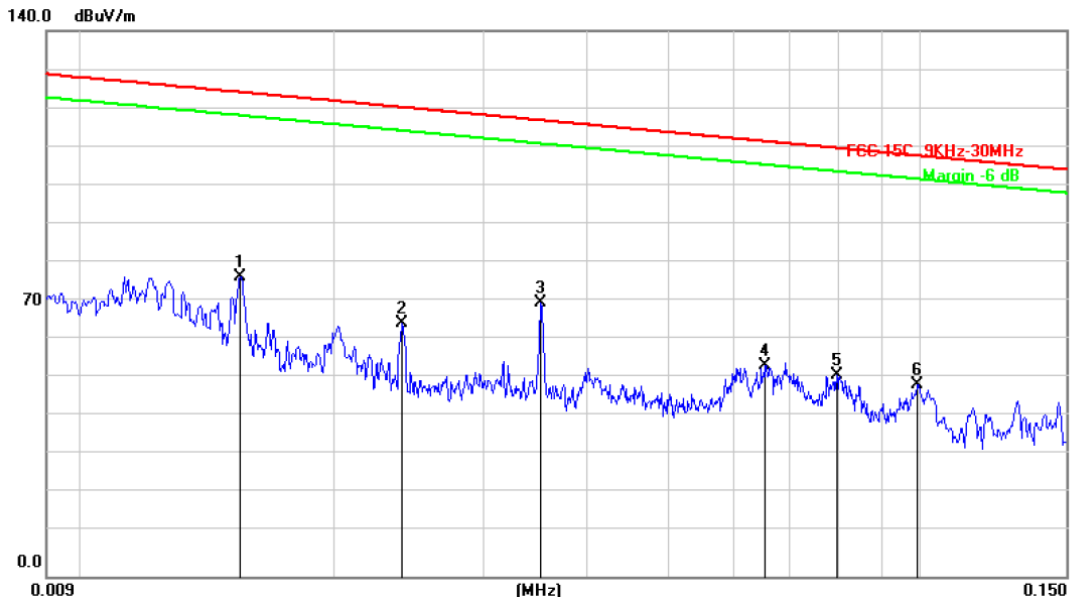
*:Maximum data x:Over limit !:over margin

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak (dBμV/m)-Limit QPK(dBμV/m)

9KMz-30MHz

Temperature:	23.5°C	Relative Humidity:	46%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Ant. 0°		
Test Mode:	Mode 1		
Remark:	N/A		

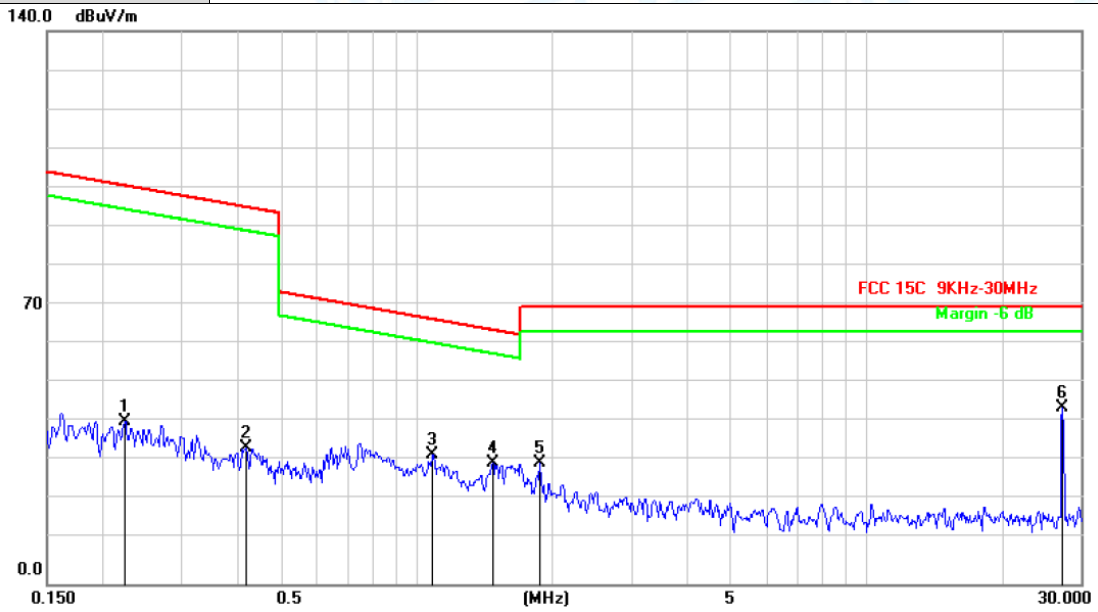


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		0.0154	85.95	-9.09	76.86	124.21	-47.35	peak
2		0.0240	74.03	-9.22	64.81	120.34	-55.53	peak
3	*	0.0352	79.73	-9.40	70.33	116.99	-46.66	peak
4		0.0653	63.76	-9.53	54.23	111.60	-57.37	peak
5		0.0796	61.13	-9.48	51.65	109.87	-58.22	peak
6		0.0995	58.59	-9.52	49.07	107.92	-58.85	peak

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak/AVG(dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak/AVG (dBμV/m)-Limit QPK/AVG(dBμV/m)

Temperature:	23.5°C	Relative Humidity:	46%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Ant. 0°		
Test Mode:	Mode 1		
Remark:	N/A		



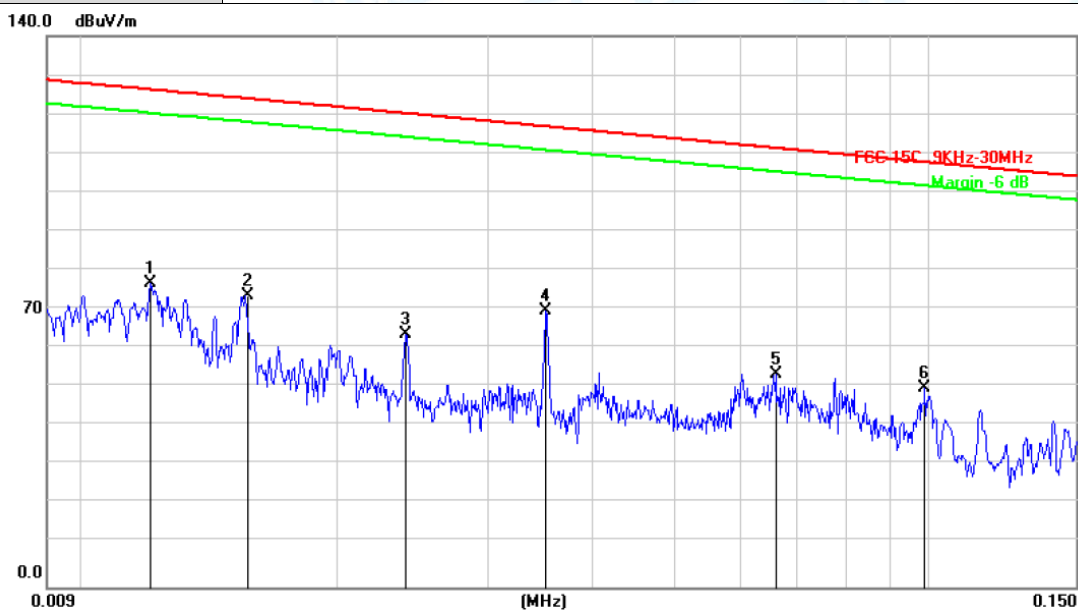
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		0.2232	50.14	-8.99	41.15	100.87	-59.72	peak
2		0.4171	45.11	-10.67	34.44	95.41	-60.97	peak
3		1.0824	44.49	-11.71	32.78	67.01	-34.23	peak
4		1.4718	42.33	-11.78	30.55	64.30	-33.75	peak
5		1.8680	42.30	-11.84	30.46	70.00	-39.54	peak
6	*	27.2711	56.96	-12.23	44.73	70.00	-25.27	peak

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak/AVG(dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak/AVG (dBμV/m)-Limit QPK/AVG(dBμV/m)

Frequency (MHz)	Peak Level (dBμV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limit (dBuV/m)	Over limit (dB)
27.14	44.73	-12.23	32.5	100.00	67.50

Temperature:	23.5°C	Relative Humidity:	46%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Ant. 90°		
Test Mode:	Mode 1		
Remark:	N/A		

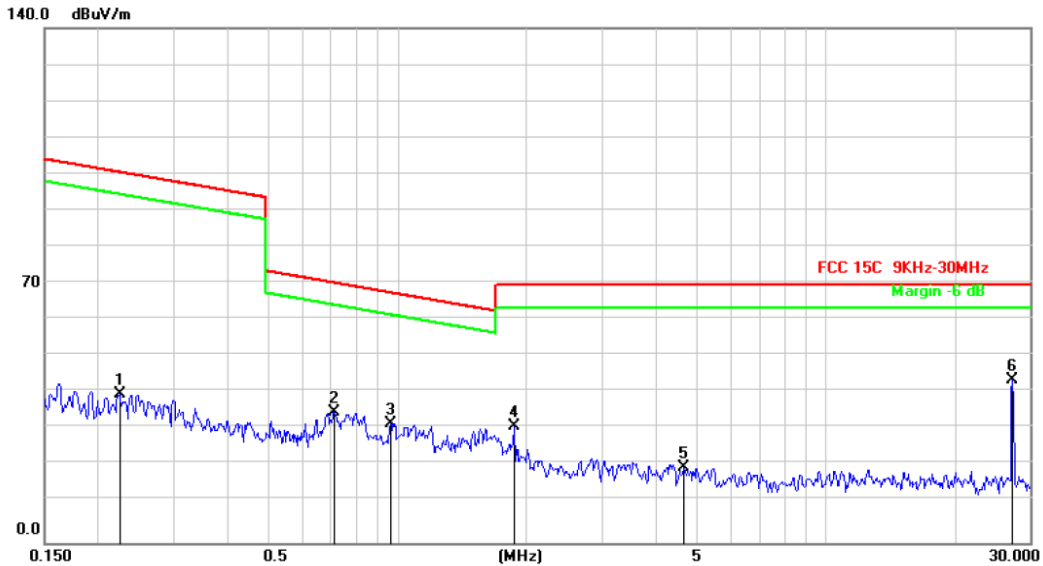


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		0.0120	86.13	-9.04	77.09	126.39	-49.30	peak
2		0.0155	83.07	-9.09	73.98	124.16	-50.18	peak
3		0.0240	73.47	-9.22	64.25	120.34	-56.09	peak
4	*	0.0352	79.45	-9.40	70.05	116.99	-46.94	peak
5		0.0660	63.57	-9.53	54.04	111.51	-57.47	peak
6		0.0991	60.01	-9.52	50.49	107.96	-57.47	peak

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak/AVG(dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
3. Margin (dB) = QuasiPeak/AVG (dBµV/m)-Limit QPK/AVG(dBµV/m)

Temperature:	23.5°C	Relative Humidity:	46%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Ant. 90°		
Test Mode:	Mode 1		
Remark:	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		0.2244	49.30	-8.99	40.31	100.82	-60.51	peak
2		0.7122	47.00	-11.40	35.60	70.70	-35.10	peak
3		0.9633	44.05	-11.68	32.37	68.04	-35.67	peak
4		1.8680	43.45	-11.84	31.61	70.00	-38.39	peak
5		4.6469	32.29	-11.89	20.40	70.00	-49.60	peak
6	*	27.2711	56.46	-12.23	44.23	70.00	-25.77	peak

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak/AVG(dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak/AVG (dBμV/m)-Limit QPK/AVG(dBμV/m)

Frequency (MHz)	Peak Level (dBμV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limit (dBuV/m)	Over limit (dB)
27.14	44.23	-12.23	32.0	100.00	68.00

Attachment B-- Bandwidth Measurement Data

Frequency (KHz)	20 dBc Bandwidth (kHz)	99% OBW (kHz)	Result														
333.5	59.036	66.0413	PASS														
<p>The screenshot displays an Agilent spectrum analyzer interface. The main plot shows a signal centered at 27.14 MHz with a span of 100 kHz. A yellow trace indicates the signal's power spectrum. A green box highlights the 'Occupied Bandwidth' measurement results: 66.0413 kHz. Other parameters shown include Ch Freq 27.145 MHz, Center 27.14500000 MHz, and a table of results.</p> <table border="1"> <tr> <td>Center Freq</td> <td>27.1450000 MHz</td> </tr> <tr> <td>Start Freq</td> <td>27.0950000 MHz</td> </tr> <tr> <td>Stop Freq</td> <td>27.1950000 MHz</td> </tr> <tr> <td>CF Step</td> <td>10.0000000 kHz</td> </tr> <tr> <td>Freq Offset</td> <td>0.0000000 Hz</td> </tr> <tr> <td>Signal Track</td> <td>On</td> </tr> <tr> <td>Scale Type</td> <td>Lin</td> </tr> </table>				Center Freq	27.1450000 MHz	Start Freq	27.0950000 MHz	Stop Freq	27.1950000 MHz	CF Step	10.0000000 kHz	Freq Offset	0.0000000 Hz	Signal Track	On	Scale Type	Lin
Center Freq	27.1450000 MHz																
Start Freq	27.0950000 MHz																
Stop Freq	27.1950000 MHz																
CF Step	10.0000000 kHz																
Freq Offset	0.0000000 Hz																
Signal Track	On																
Scale Type	Lin																

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