

CFR 47 FCC PART 15 SUBPART C

TEST REPORT

For

RC STUNT TWISTER

MODEL NUMBER: 1095893

REPORT NUMBER: E04A26041073F00101

ISSUE DATE: May 14, 2026

FCC ID: 2ACFM1095893

Prepared for

**Shantou City Daye Plastic Toys Co., Ltd
Baisha Industry Areas, Chenghai Borough, Shantou City, Guangdong Province,
China**

Prepared by

Guangdong Global Testing Technology Co., Ltd.

**Room 101-105, 203-210, Building 1, No.2, Keji 8 Road, Songshan Lake Park,
Dongguan city, Guangdong, People's Republic of China, 523808**

This report is based on a single evaluation of the submitted sample(s) of the above mentioned product, it does not imply an assessment of the production of the products.

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	May 14, 2026	Initial Issue	

Summary of Test Results

Summary of Test Results			
Clause	Test Items	FCC Rules	Test Results
1	20 dB Bandwidth and 99 % Occupied Bandwidth	CFR 47 FCC §15.215 (c)	PASS
2	Radiated Emission	CFR 47 FCC §15.227 (a) (b) CFR 47 FCC §15.205 and §15.209	PASS
3	Conducted Emission Test for AC Power Port	CFR 47 FCC §15.207	N/A
4	Antenna Requirement	CFR 47 FCC §15.203	Pass
Note 1: This test report is only published to and used by the applicant, and it is not for evidence purpose in China. Note 2: The measurement result for the sample received is <Pass> according to < CFR 47 FCC PART 15 SUBPART C > when <Accuracy Method> decision rule is applied.			

*This test report is only published to and used by the applicant, and it is not for evidence purpose in China.

*The measurement result for the sample received is <Pass> according to <CFR 47 FCC PART 15 SUBPART C> when <Accuracy Method> decision rule is applied.

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Shantou City Daye Plastic Toys Co., Ltd
Address: Baisha Industry Areas, Chenghai Borough, Shantou City,
Guangdong Province, China

Manufacturer Information

Company Name: Shantou City Daye Plastic Toys Co., Ltd
Address: Baisha Industry Areas, Chenghai Borough, Shantou City,
Guangdong Province, China

EUT Information

Product Description: RC STUNT TWISTER
Model: 1095893
Series Model: N/A
Brand: N/A
Sample Received Date: April 22, 2026
Sample Status: Normal
Sample ID: A26041073 001
Date of Tested: April 22, 2026 to May 10, 2026

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 FCC PART 15 SUBPART C	Pass

Prepared By:

poal chen

Poal Chen

Project Engineer

Checked By:

Alan He

Alan He

Laboratory Manager

Approved By:

Alan He

Alan He

Laboratory Manager



2. TEST METHODOLOGY

All tests were performed in accordance with the standard CFR 47 FCC PART 15 SUBPART C.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 6947.01) Guangdong Global Testing Technology Co., Ltd. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1343) Guangdong Global Testing Technology Co., Ltd. has been recognized to perform compliance testing on equipment subject to Supplier's Declaration of Conformity (SDoC) and Certification rules ISED (Company No.: 30714) Guangdong Global Testing Technology Co., Ltd. has been registered and fully described in a report filed with ISED. The Company Number is 30714 and the test lab Conformity Assessment Body Identifier (CABID) is CN0148.
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Note: All tests measurement facilities use to collect the measurement data are located at Room 101-105, 203-210, Building 1, No.2, Keji 8 Road, Songshan Lake Park, Dongguan city, Guangdong, People's Republic of China, 523808

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Items	k	Uncertainty
DTS Bandwidth	1.96	±9.2 PPM
20dB Emission Bandwidth	1.96	±9.2 PPM
Carrier Frequency Separation	1.96	±9.2 PPM
Time of Occupancy	1.96	±0.57%
Conducted Output Power	1.96	±1.5 dB
Power Spectral Density Level	1.96	±1.9 dB
Conducted Spurious Emission	1.96	9 kHz-30 MHz: ± 0.95 dB 30 MHz-1 GHz: ± 1.5 dB 1GHz-12.75GHz: ± 1.8 dB 12.75 GHz-26.5 GHz: ± 2.1dB
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.		

Test Item	Measurement Frequency Range	K	U(dB)
Conducted emissions from the AC mains power ports (AMN)	150 kHz ~ 30 MHz	2	3.37
Radiated emissions	9 kHz ~ 30 MHz	2	4.16
Radiated emissions	30 MHz ~ 1 GHz	2	3.79
Radiated emissions	1 GHz ~ 18 GHz	2	5.62
Radiated emissions	18 GHz ~ 40 GHz	2	5.54
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.			

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name		RC STUNT TWISTER
Model		1095893
Hardware Version		V0
Software Version		V0
Ratings		Battery 3V
Power Supply	Battery	3V

5.2. MAXIMUM FIELD STRENGTH

Frequency (MHz)	Max Peak field strength (dB μ V/m)
27.15	54.78

5.3. TEST CHANNEL CONFIGURATION

Test Mode	Frequency (MHz)
AM	27.15

5.4. DESCRIPTION OF AVAILABLE ANTENNAS

Frequency (MHz)	Antenna Type	Antenna Gain (dBi)
27.15	External antenna	0

Note: The value of the antenna gain was declared by customer.

5.5. TEST ENVIRONMENT

Environment Parameter	Selected Values During Tests	
Relative Humidity	55 ~ 65 %	
Atmospheric Pressure:	1025 Pa	
Temperature	TN	23 ~ 28 °C
Voltage:	VL	/
	VN	DC 3.0 V
	VH	/

Note: VL = Lower Extreme Test Voltage
 VN = Nominal Voltage
 VH = Upper Extreme Test Voltage
 TN = Normal Temperature

5.6. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	P/N
1	/	/	/	/

I/O CABLES

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
1	/	/	/	/	/

ACCESSORY

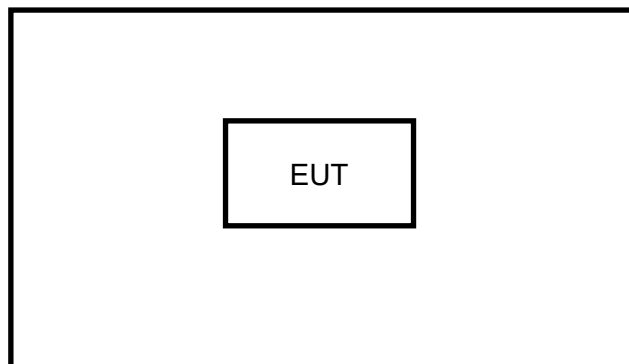
Item	Accessory	Brand Name	Model Name	Description
1	/	/	/	/

TEST SETUP

A fully charged battery was used for all tests.

The test sample can be into a transmission mode through the power on.

SETUP DIAGRAM FOR TEST



6. MEASURING EQUIPMENT AND SOFTWARE USED

Test Equipment of Conducted RF					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Spectrum Analyzer	Rohde & Schwarz	FSV40	102257	2025/8/23	2026/8/22
Spectrum Analyzer	KEYSIGHT	N9020A	MY51285127	2025/8/23	2026/8/22
EXG Analog Signal Generator	KEYSIGHT	N5173B	MY61253075	2025/8/23	2026/8/22
Vector Signal Generator	Rohde & Schwarz	SMM100A	101899	2025/8/23	2026/8/22
RF Control box	MWRF-test	MW100-RFCB	MW220926GTG	2025/8/23	2026/8/22
Wideband Radio Communication Tester	Rohde & Schwarz	CMW270	102792	2025/8/23	2026/8/22
Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	103235	2025/8/23	2026/8/22
temperature humidity chamber	Espec	SH-241	SH-241-2014	2025/8/23	2026/8/22
RF Test Software	MWRF-test	MTS8310E (Ver. V2/0)	N/A	N/A	N/A

Test Equipment of Radiated emissions below 1GHz					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
3m Semi-anechoic Chamber	ETS	9m*6m*6m	Q2146	2025/08/23	2026/08/22
EMI Test Receiver	Rohde & Schwarz	ESCI3	101409	2025/8/23	2026/8/22
Spectrum Analyzer	KEYSIGHT	N9020A	MY51283932	2025/8/23	2026/8/22
Pre-Amplifier	HzEMC	HPA-9K0130	HYPA21001	2025/8/23	2026/8/22
Biconilog Antenna	Schwarzbeck	VULB 9168	01315	2025/8/23	2026/8/22
Biconilog Antenna	ETS	3142E	00243651	2025/02/22	2028/02/21
Loop Antenna	ETS	6502	00243668	2025/02/22	2028/02/21
Test Software	Farad	EZ-EMC (Ver.FA-03A2 RE)	N/A	N/A	N/A

Test Equipment of Radiated emissions above 1GHz					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
3m Semi-anechoic Chamber	ETS	9m*6m*6m	Q2149	2025/08/23	2026/08/22
Spectrum Analyzer	Rohde & Schwarz	FSV40	101413	2025/8/23	2026/8/22
Spectrum Analyzer	KEYSIGHT	N9020A	MY51283932	2025/8/23	2026/8/22
Pre-Amplifier	HzEMC	HPA-1G1850	HYPA21003	2025/8/23	2026/8/22
Horn antenna	ETS	3117	00246069	2025/02/22	2028/02/21
Pre-Amplifier	HzEMC	HPA-184057	HYPA21004	2025/8/23	2026/8/22

Horn antenna	ETS	3116C	00246265	2025/02/22	2028/02/21
RF Filter Bank	HzEMC	HSW-F18	HSWF2218E01	2025/8/23	2026/8/22
RF Filter Bank	HzEMC	HPF18	HPF2218E02	2025/8/23	2026/8/22
Test Software	Farad	EZ-EMC (Ver.FA-03A2 RE+)	N/A	N/A	N/A

Test Equipment of Conducted emissions (AC mains power ports)					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Shielding Room 1	CHENG YU	8*5*4	N/A	2025/8/23	2026/8/22
LISN	R&S	ENV216	102843	2025/8/23	2026/8/22
EMI Test Receiver	R&S	ESR3	102647	2025/8/23	2026/8/22
LISN	Schwarzbeck	NNLK 8129 RC	5046	2025/8/23	2026/8/22
8-Wire ISN CAT6	Schwarzbeck	NTFM 8158	#237	2025/8/22	2026/8/21
CURRENT PROBE	R&S	EZ-17	101602	2025/8/22	2026/8/21
Test Software for CE	Farad	EZ-EMC	V1.1.4.2	N/A	N/A

7. ANTENNA PORT TEST RESULTS

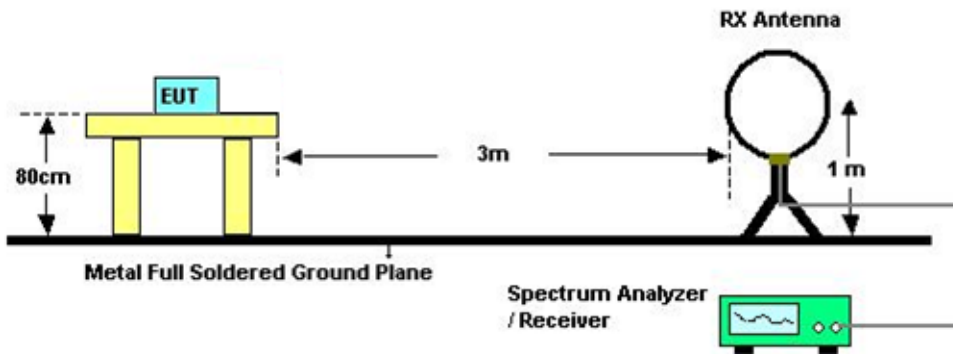
7.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only

PROCEDURE

FCC Reference:	CFR 47 §15.35(c)
Test Method Used:	ANSI C63.10 Section 7.5



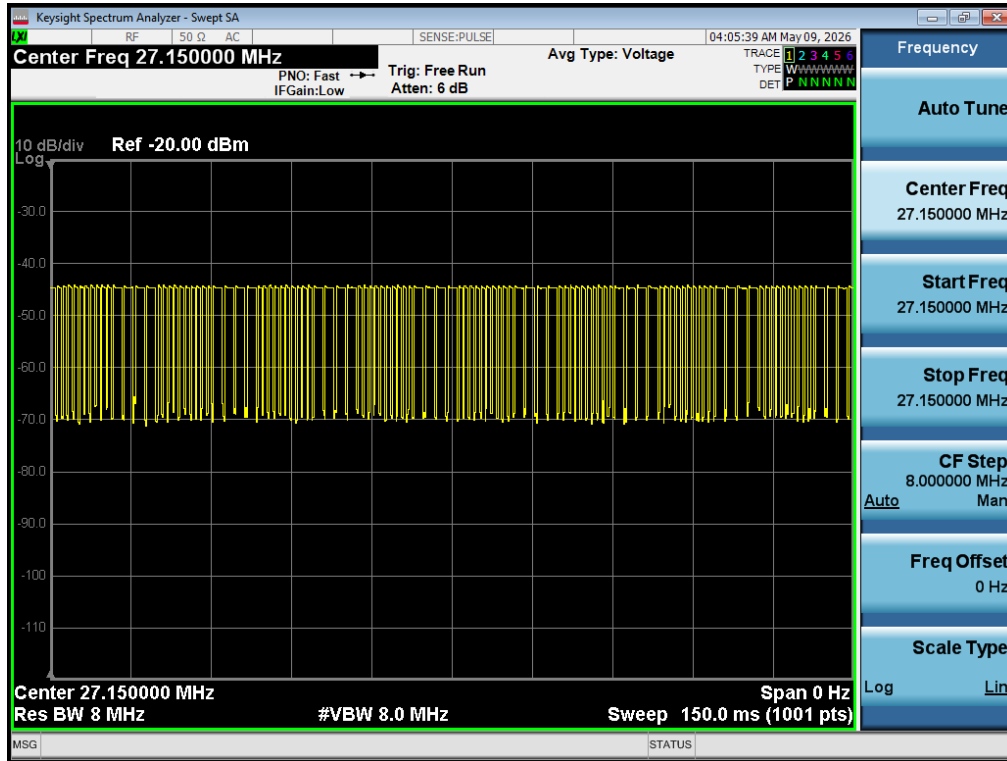
TEST SETUP

- Set RBW of spectrum analyzer to 100 kHz and VBW to 300 kHz.
- Use a video trigger with the trigger level set to enable triggering only on full pulses.
- Sweep Time is at least a 100 ms.
- Set the center frequency on any frequency would be measure and set the frequency span to zero span.
- Measure the maximum time duration of one single pulse.

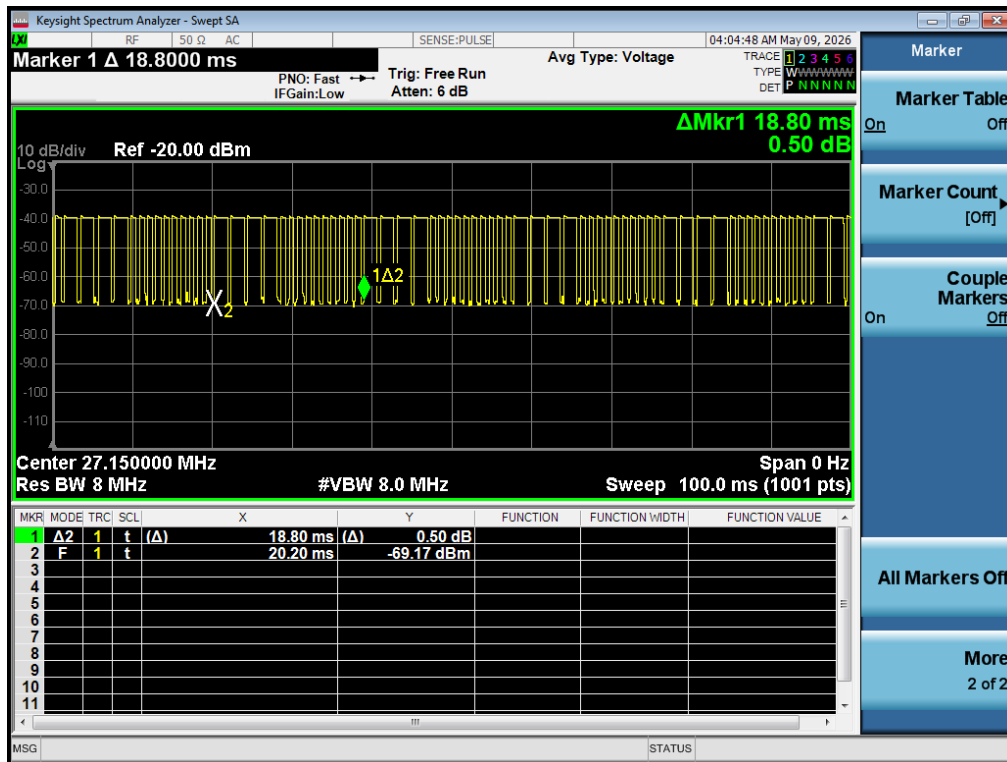
TEST ENVIRONMENT

Temperature	23.2 °C	Relative Humidity	66 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 3.0 V

Period - 1



Period - 2



Note: All the modes had been tested, but only the worst duty cycle recorded in the report.

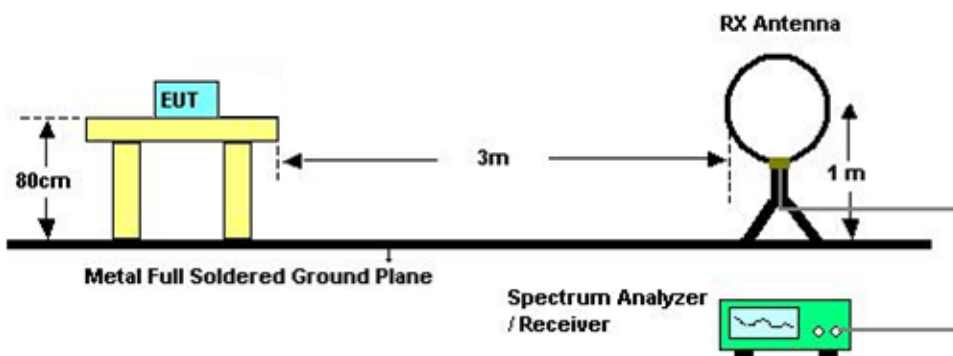
7.2. 20 DB BANDWIDTH

LIMITS

None; for reporting purposes only

TEST PROCEDURE

FCC Reference:	CFR 47 §15.215 (c)
Test Method Used:	ANSI C63.10 Section 6.9.2



TEST SETUP

1. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
2. The EUT was placed on a turntable with 0.8 meter above ground.
3. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower
4. Set the spectrum analyzer in the following setting as:

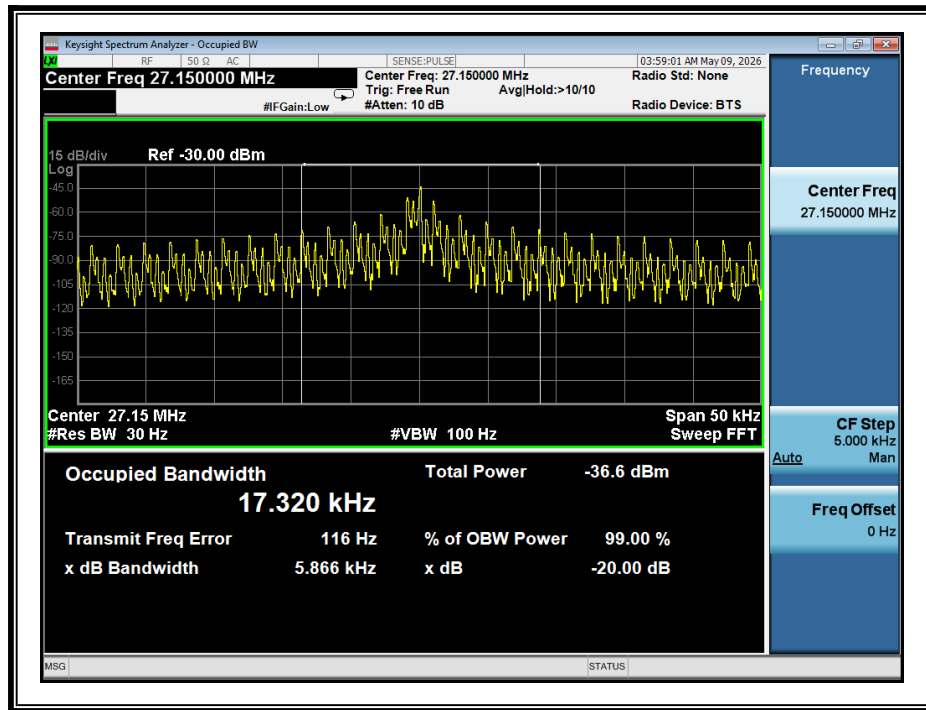
The RBW shall be in the range of 1 % to 5 % of the OBW and video bandwidth (VBW) shall be approximately three times RBW, unless otherwise specified by the applicable requirement.

TEST ENVIRONMENT

Temperature	23.2 °C	Relative Humidity	66 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 3.0 V

RESULTS

20 dB Bandwidth (kHz)	99 % Occupied Bandwidth (kHz)	Result
5.866	17.320	Pass



Note: All test mode has been tested, only the worst data record in the report.

8. RADIATED TEST RESULTS

8.1. LIMITS AND PROCEDURE

LIMITS

CFR 47 FCC §15.227 (a) (b)

CFR 47 FCC §15.205 and §15.209

1. 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. The provisions in §15.35 for limiting peak emissions apply.
2. The field strength of any emissions which appear outside of this band shall not exceed the general radiated emission limits in §15.209 or RSS-Gen.
3. Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field strength (microvolts/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

**Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§15.231 and 15.241.

Radiation Disturbance Test Limit for FCC (Class B) (9 kHz-1 GHz)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	$2400/F(\text{kHz})$	300
0.490~1.705	$24000/F(\text{kHz})$	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

Note: (1) At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

Note: (2) At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). This paragraph (f) shall not apply to Access BPL devices operating below 30 MHz.

Restricted bands of operation

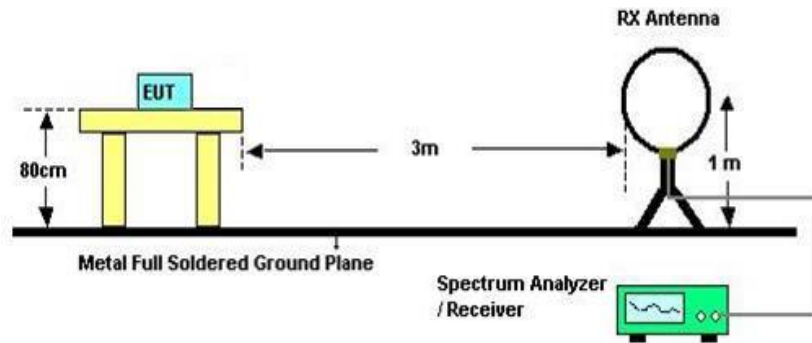
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	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			

Note: ¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6

TEST SETUP AND PROCEDURE

Below 30 MHz

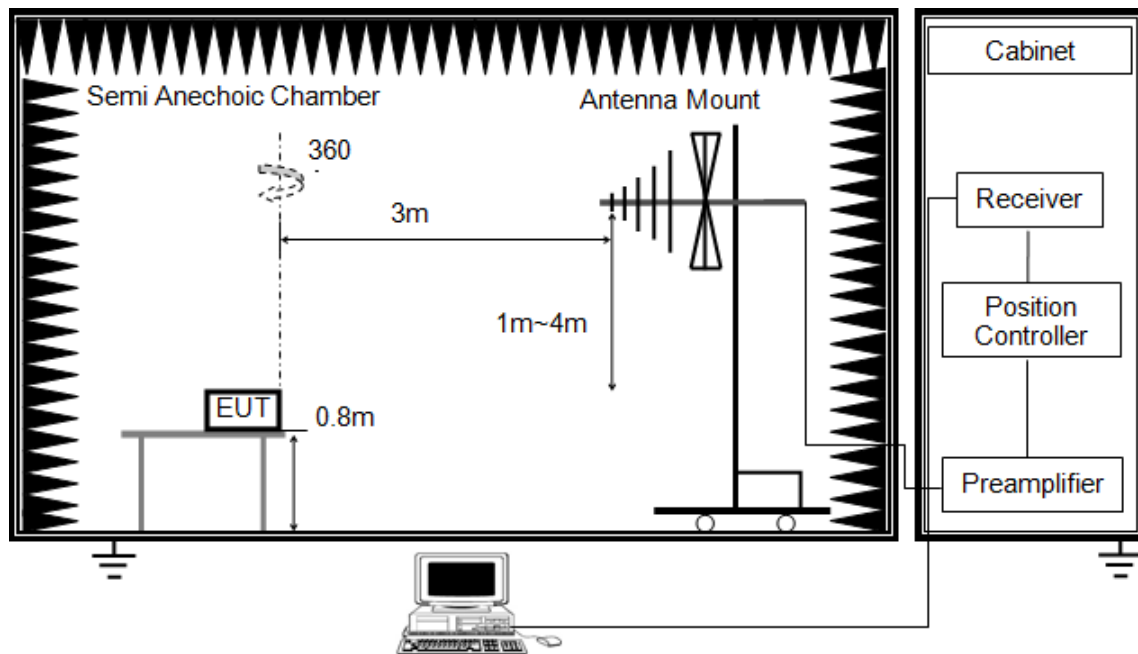


The setting of the spectrum analyzer

RBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
VBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
Sweep	Auto
Detector	Peak/QP/ Average
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.
2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm meter above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1m height antenna tower.
5. 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.
6. 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.
7. The radiated emission limits 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.
8. Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open field site. Therefore, the sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

Below 1 GHz

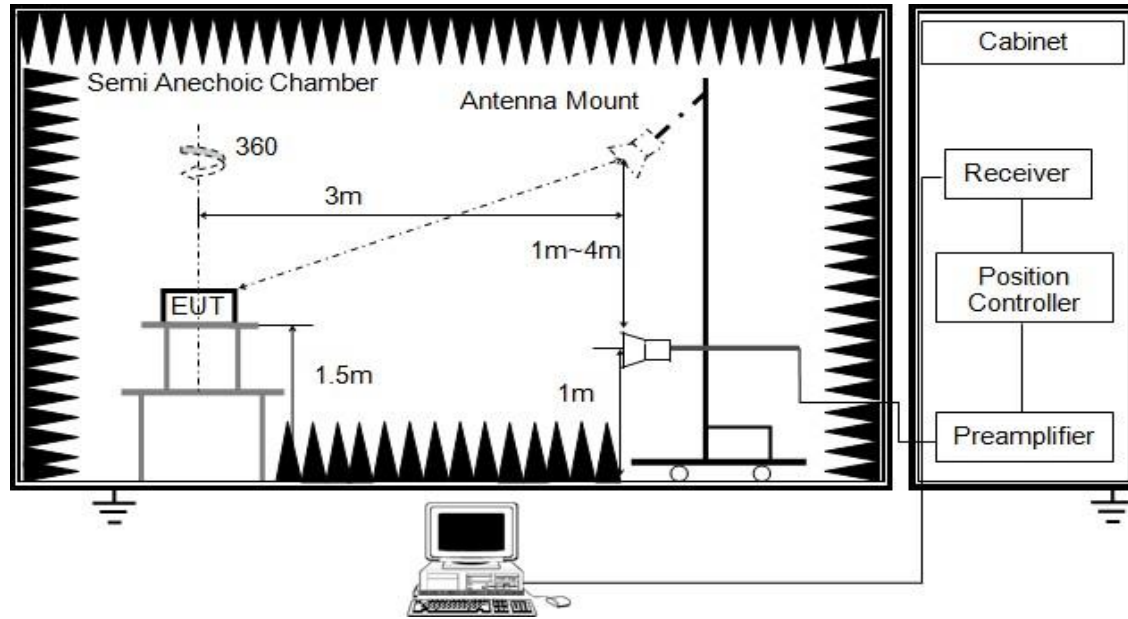


The setting of the spectrum analyzer

RBW	120 kHz
VBW	300 kHz
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. 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.
5. 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.
6. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
7. 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.

Above 1 GHz

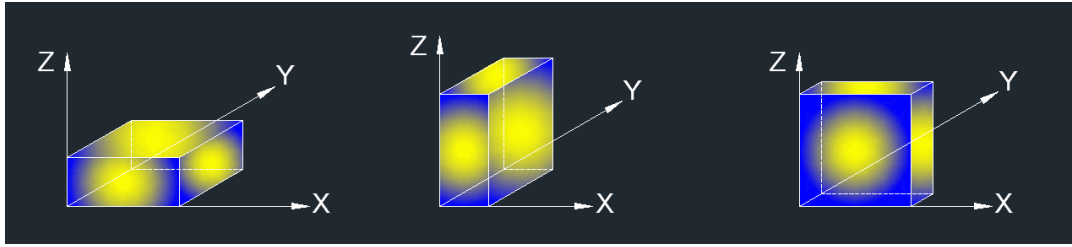


The setting of the spectrum analyser

RBW	1 MHz
VBW	PEAK: 3 MHz AVG: see note 6
Sweep	Auto
Detector	Peak
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.
2. The EUT was arranged to its worst case and then tune the antenna tower (1.5 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter or band reject filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80cm above ground.
4. 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.
5. 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.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements. Where necessary, average emission are determined by applying the Duty Cycle Correction Factor to the peak measurements. For the Duty Cycle and Correction Factor please refer to clause 6.1. ON TIME AND DUTY CYCLE.

X axis, Y axis, Z axis positions:



Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis for horizontal and Y axis for vertical) data recorded in the report.

Note 2: The EUT was fully exercised with external accessories during the test. In the case of multiple accessory external ports, an external accessory shall be connected to one of each type of port.

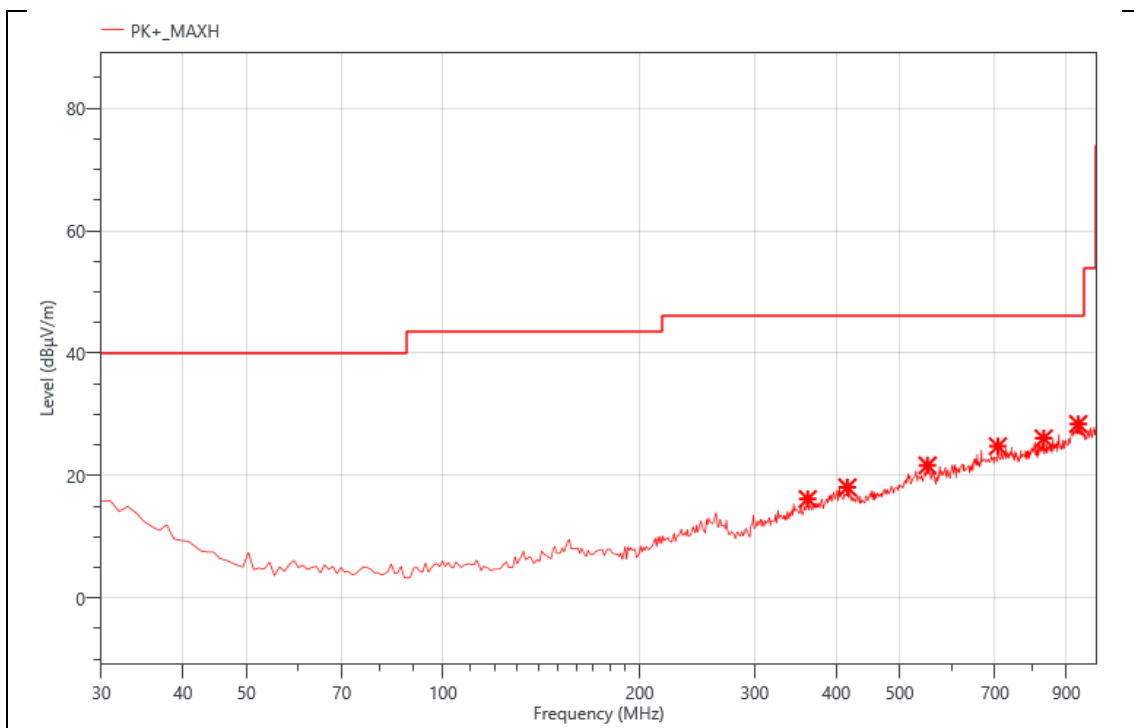
TEST ENVIRONMENT

Temperature	22.9°C	51	63 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 3.0 V

8.2. SPURIOUS EMISSIONS BELOW 1 GHZ AND ABOVE 30 MHZ

Mode:	27.15MHz
Power:	DC 3V
TE:	Berny
Date	2026/5/7
T/A/P	22.9°C/51%/101Kpa

Test Standard	FCC Part 15 C 3m				
Instrument	Device	Band	Detector	RBW	Time
ESCI 3	3142E-RX	30 MHz-1 GHz	PK+	100 kHz	Auto

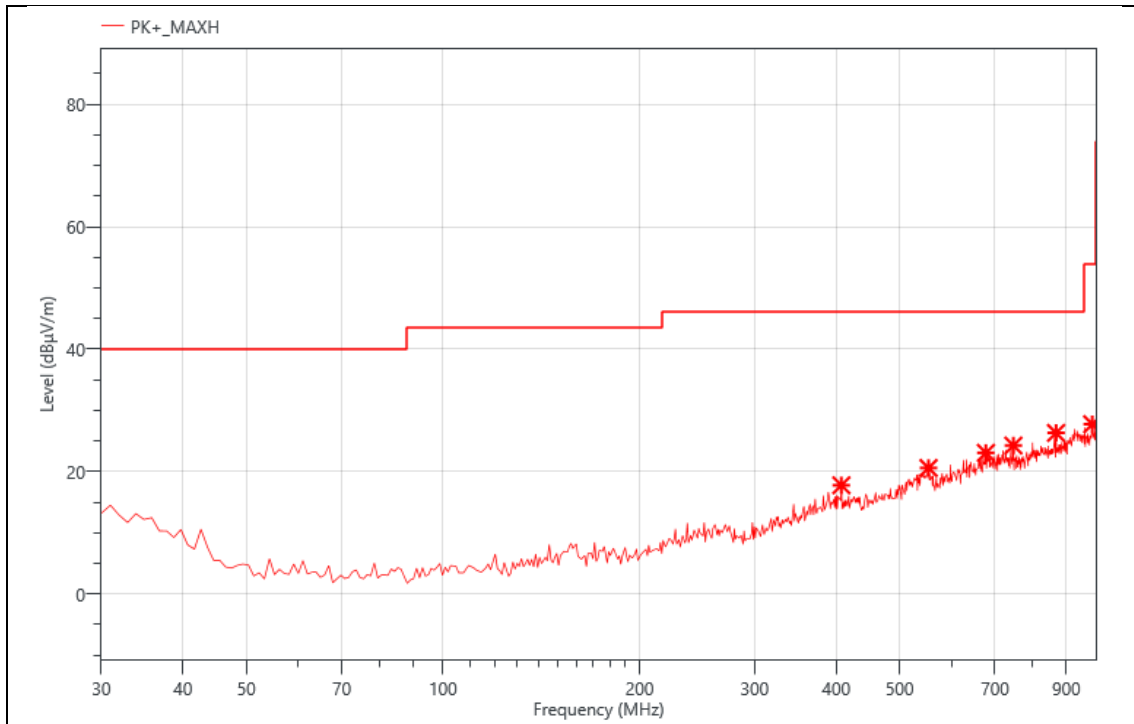


Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	361.740	31.80	-15.63	16.17	46.00	29.83	PK+	H
2	416.060	31.61	-13.52	18.09	46.00	27.91	PK+	H
3	551.860	31.27	-9.6	21.67	46.00	24.33	PK+	H
4	707.060	31.57	-6.78	24.79	46.00	21.21	PK+	H
5	831.220	31.37	-5.28	26.09	46.00	19.91	PK+	H
6	938.890	30.56	-2.14	28.42	46.00	17.58	PK+	H

Mode:	27.15MHz
Power:	DC 3V
TE:	Berny
Date	2026/5/7
T/A/P	22.9°C/51%/101Kpa

Test Standard	FCC Part 15 C 3m				
Instrument	Device	Band	Detector	RBW	Time
ESCI 3	3142E-RX	30 MHz-1 GHz	PK+	100 kHz	Auto

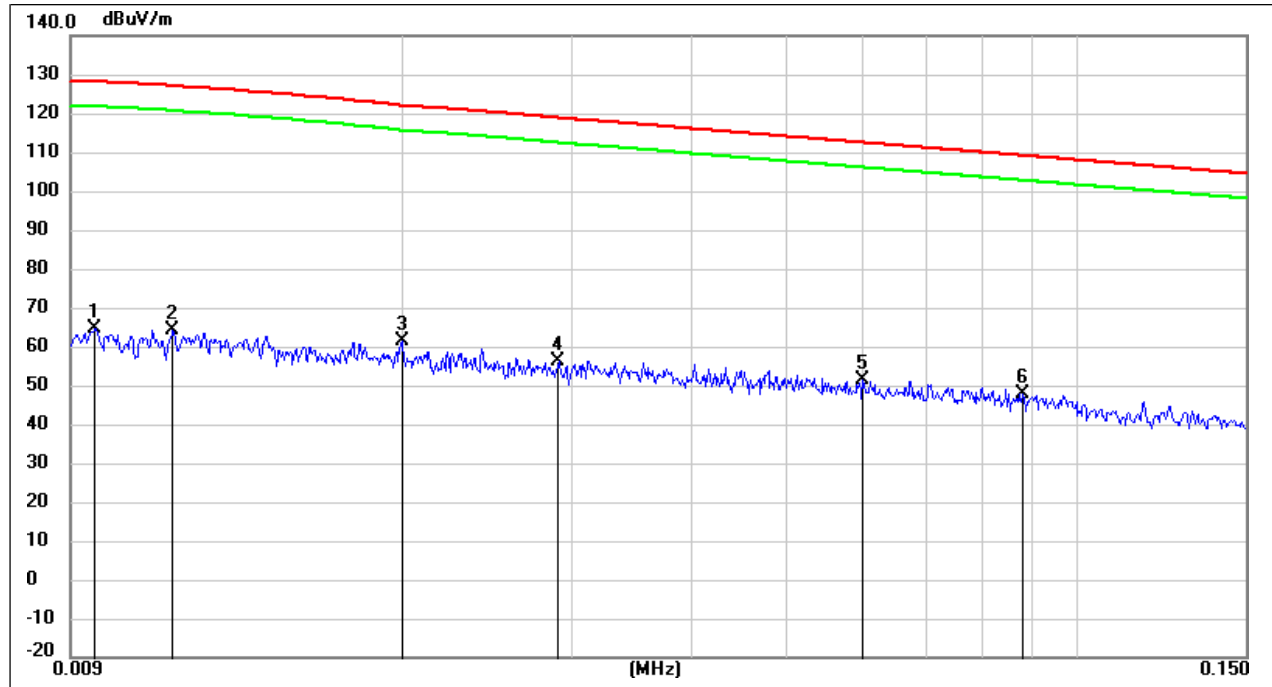


Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	407.330	31.19	-13.42	17.77	46.00	28.23	PK+	V
2	553.800	30.25	-9.66	20.59	46.00	25.41	PK+	V
3	677.960	30.34	-7.27	23.07	46.00	22.93	PK+	V
4	746.830	30.85	-6.59	24.26	46.00	21.74	PK+	V
5	868.080	31.03	-4.71	26.32	46.00	19.68	PK+	V
6	986.420	30.30	-2.56	27.74	53.90	26.16	PK+	V

8.3. SPURIOUS EMISSIONS BELOW 30 MHZ

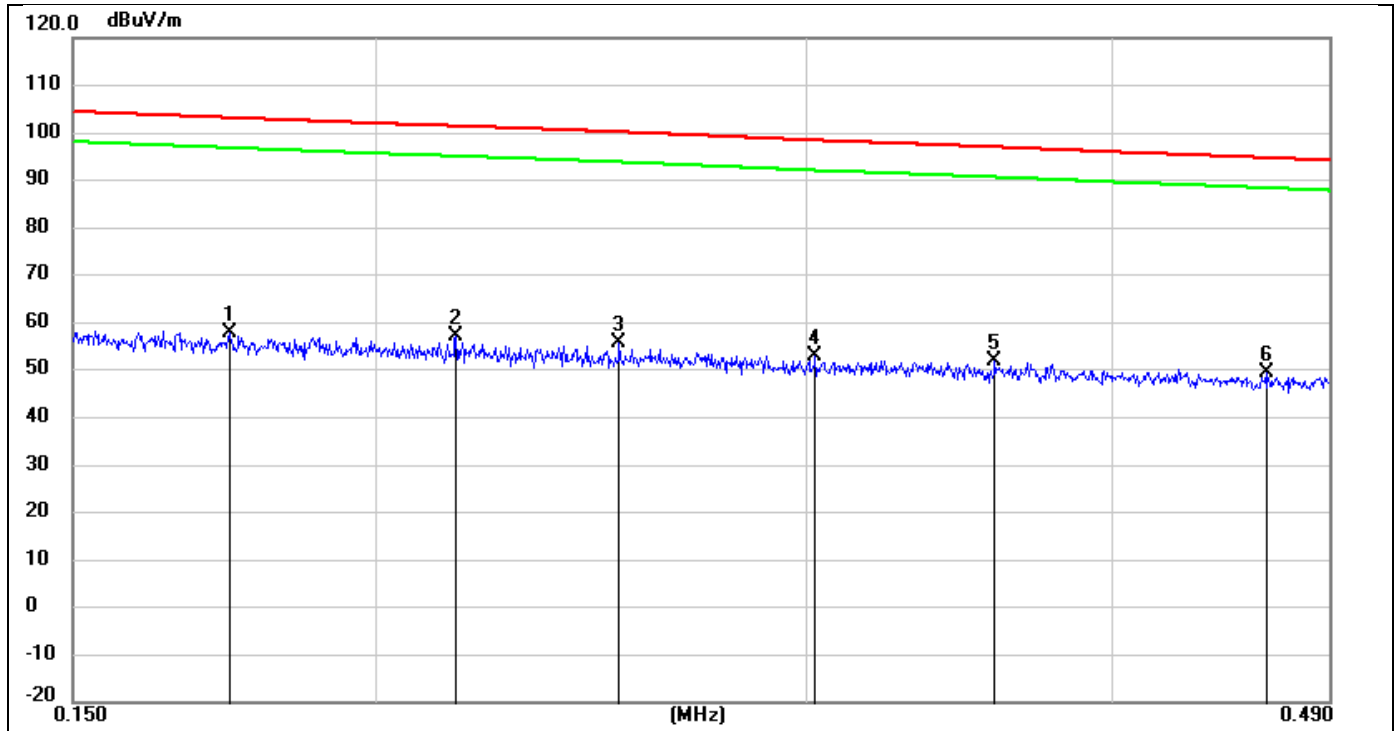
TRANSMITTER SPURIOUS EMISSIONS (LOOP ANTENNA FACE OFF TO THE EUT, WORST-CASE CONFIGURATION)



Antenna:0

Mode: 27.15MHz

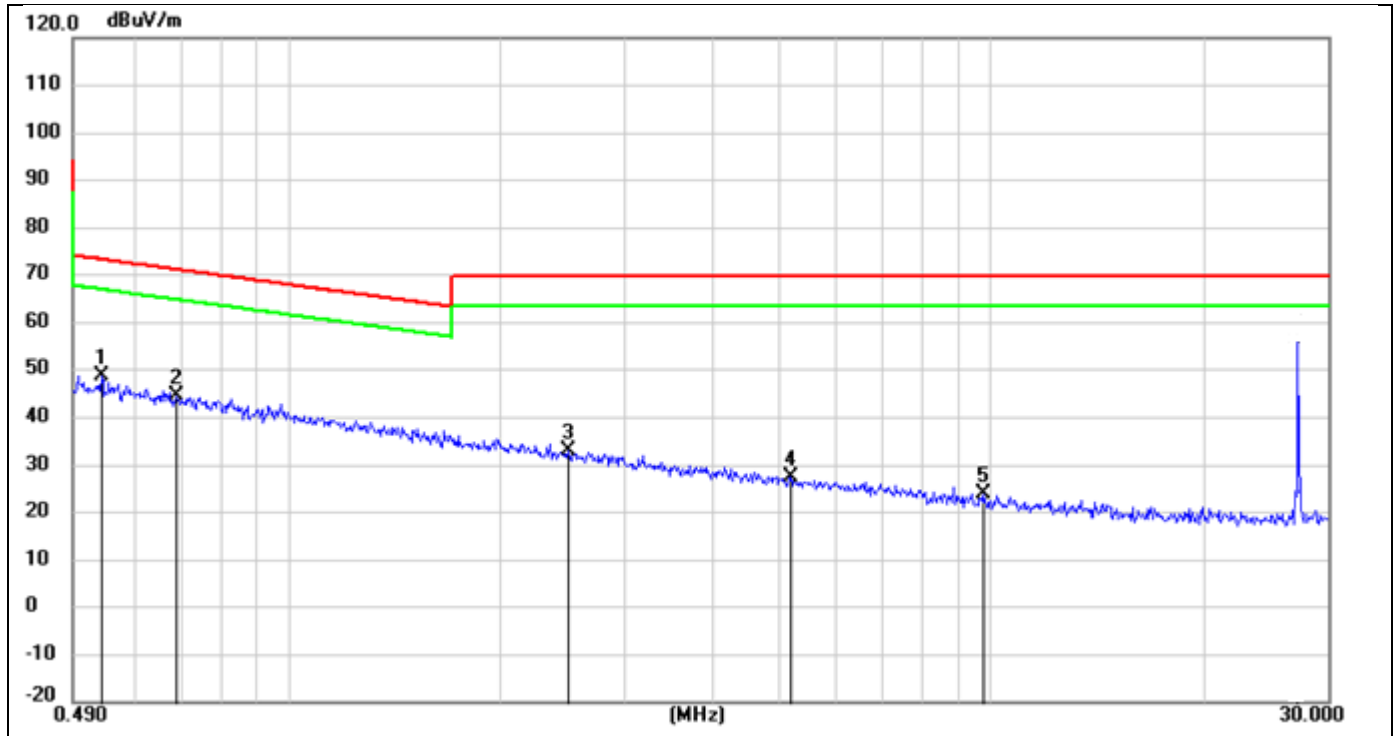
No.	Frequency (MHz)	Reading Level(dBuV)	Correct Factor(dB/m)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	0.0095	45.97	18.74	64.71	127.69	-62.98	peak	
2	0.0115	46.17	17.90	64.07	126.70	-62.63	peak	
3	0.0200	47.08	14.16	61.24	121.58	-60.34	peak	
4	0.0290	42.95	13.35	56.30	118.41	-62.11	peak	
5	0.0600	40.11	11.27	51.38	112.04	-60.66	peak	
6	0.0880	37.10	10.88	47.98	108.72	-60.74	peak	



Antenna:0

Mode: 27.15MHz

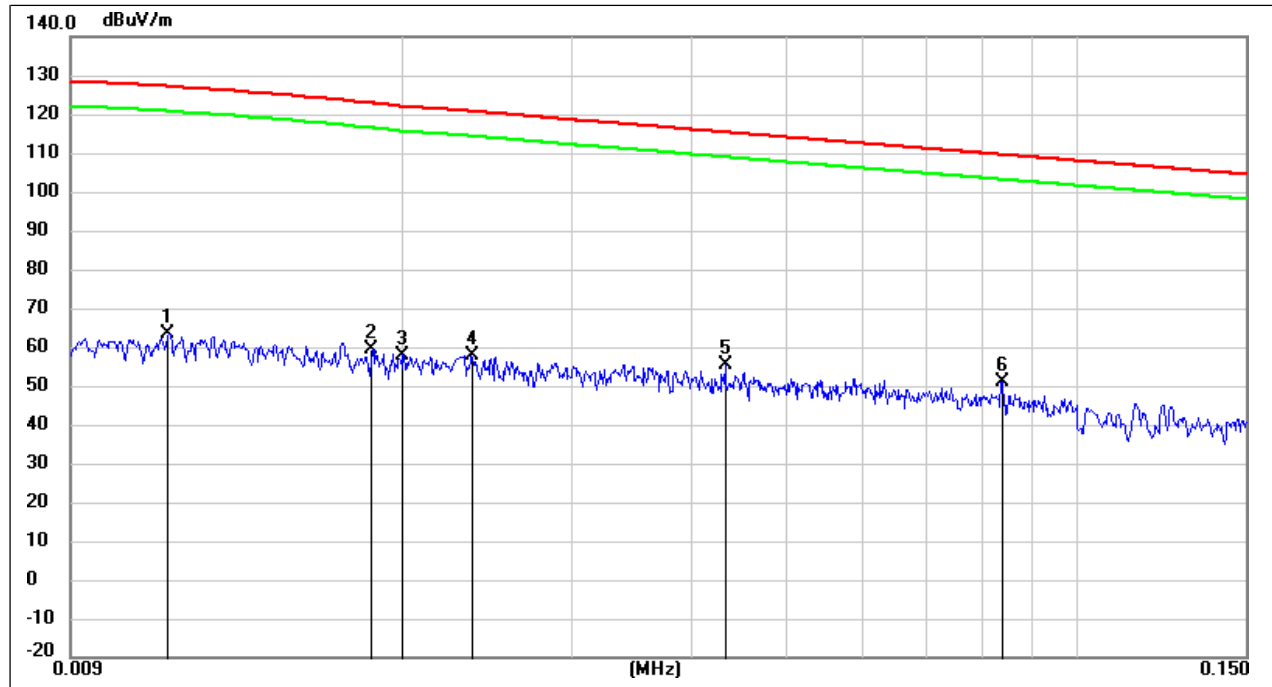
No.	Frequency (MHz)	Reading Level(dBuV)	Correct Factor(dB/m)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	0.1740	47.29	10.67	57.96	102.80	-44.84	peak	
2	0.2152	46.39	10.62	57.01	101.04	-44.03	peak	
3 *	0.2510	45.26	10.59	55.85	99.78	-43.93	peak	
4	0.3020	42.48	10.58	53.06	98.01	-44.95	peak	
5	0.3576	41.54	10.56	52.10	96.62	-44.52	peak	
6	0.4618	38.82	10.53	49.35	94.35	-45.00	peak	



Antenna:0

Mode: 27.15MHz

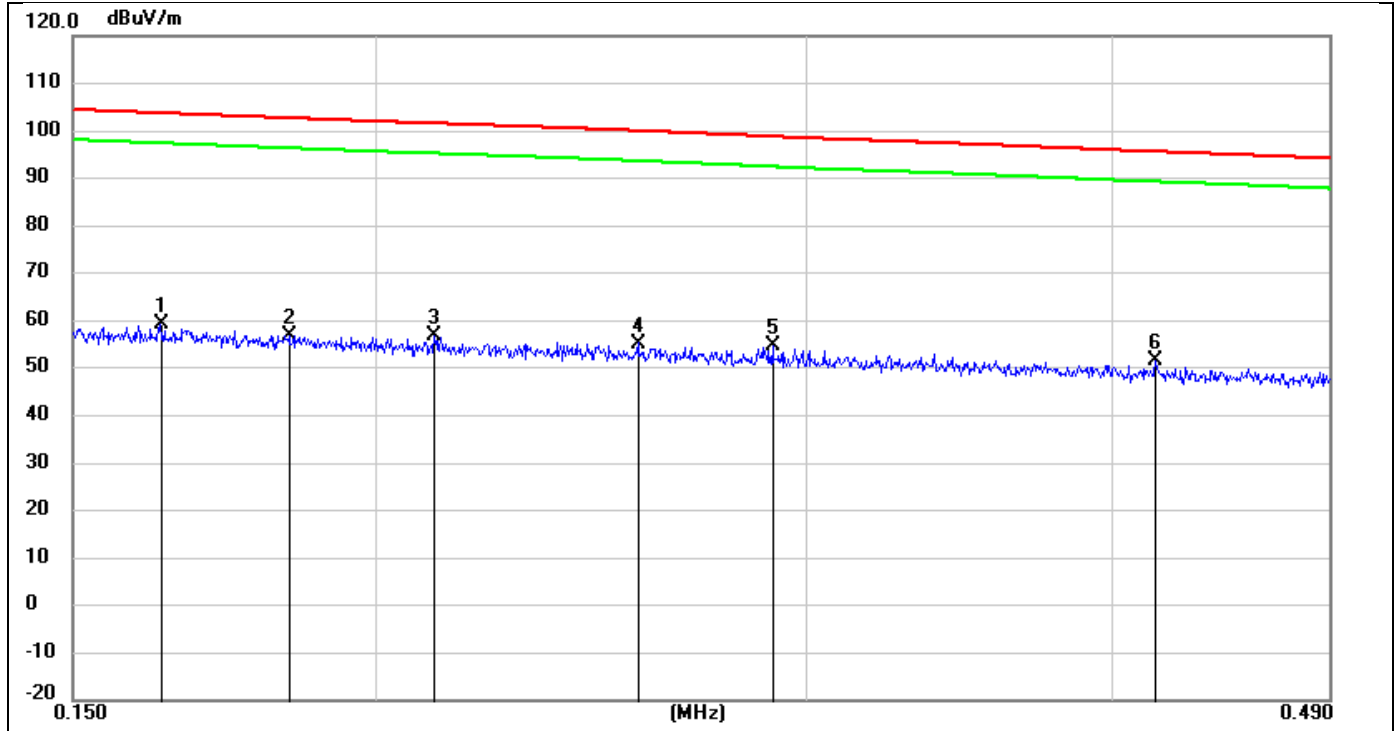
No.	Frequency (MHz)	Reading Level(dBuV)	Correct Factor(dB/m)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	0.5386	38.22	10.51	48.73	73.02	-24.29	peak	
2	0.6895	34.22	10.53	44.75	70.84	-26.09	peak	
3	2.4890	22.25	10.67	32.92	69.54	-36.62	peak	
4	5.1561	16.47	10.87	27.34	69.54	-42.20	peak	
5	9.7164	13.02	10.93	23.95	69.54	-45.59	peak	



Antenna:90

Mode: 27.15MHz

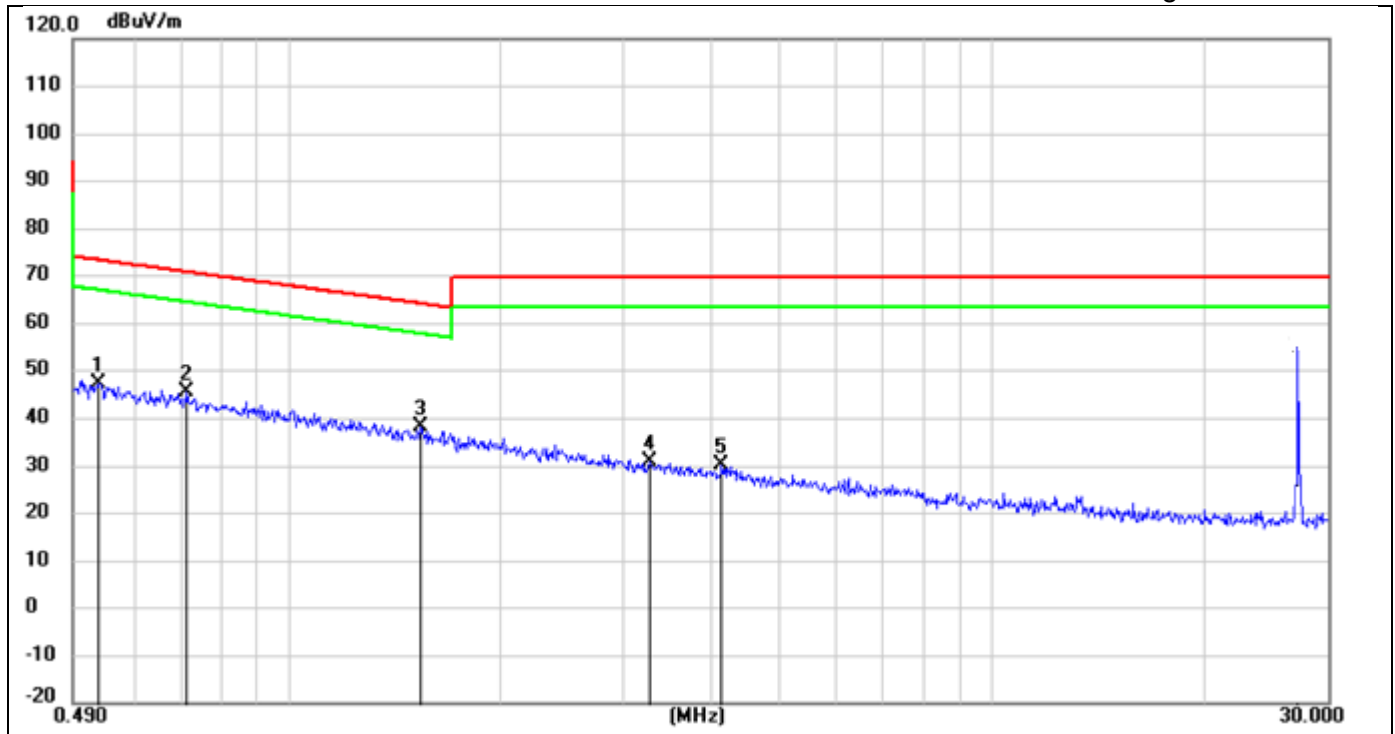
No.	Frequency (MHz)	Reading Level(dBuV)	Correct Factor(dB/m)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	0.0114	45.59	17.94	63.53	126.76	-63.23	peak	
2	0.0185	44.54	14.82	59.36	122.48	-63.12	peak	
3	0.0200	43.83	14.16	57.99	121.58	-63.59	peak	
4	0.0236	43.83	13.84	57.67	120.31	-62.64	peak	
5	0.0431	43.27	12.09	55.36	114.96	-59.60	peak	
6 *	0.0838	40.09	10.91	51.00	109.15	-58.15	peak	



Antenna:90

Mode: 27.15MHz

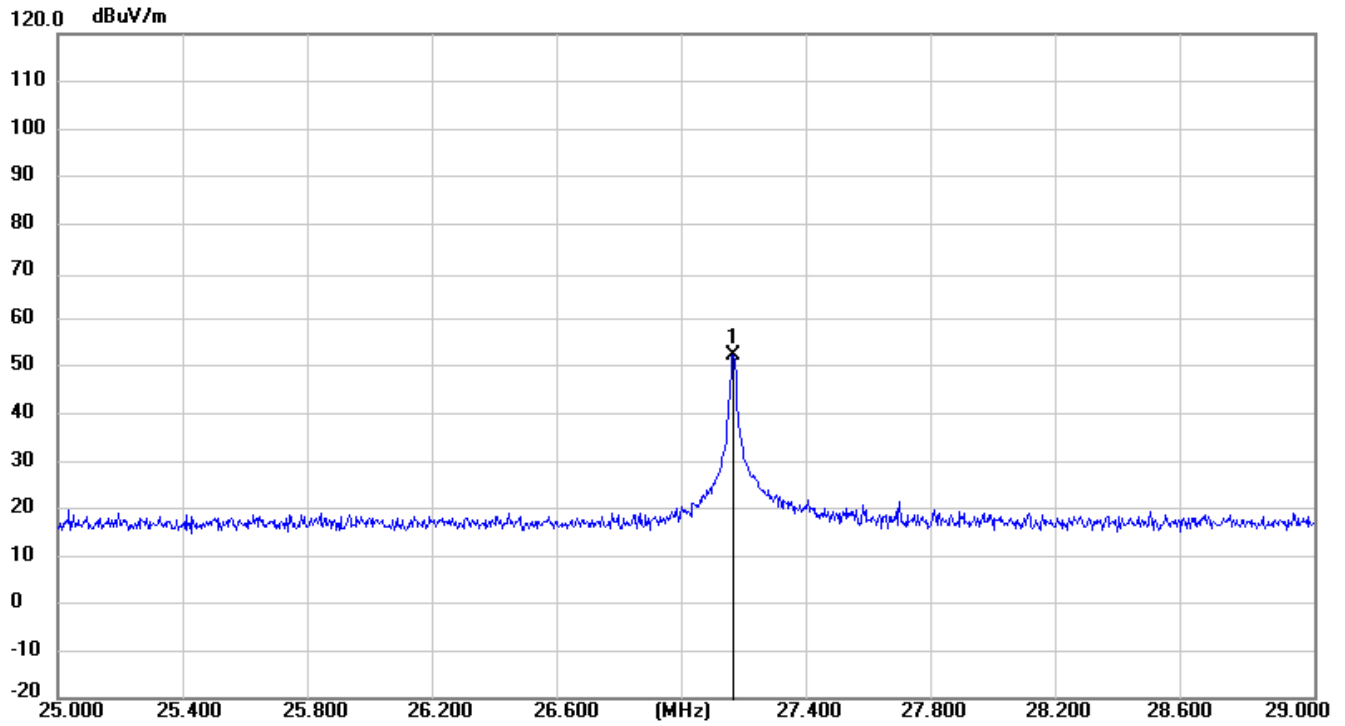
No.	Frequency (MHz)	Reading Level(dBuV)	Correct Factor(dB/m)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	0.1632	48.58	10.68	59.26	103.35	-44.09	peak	
2	0.1841	46.32	10.66	56.98	102.31	-45.33	peak	
3	0.2110	46.03	10.63	56.66	101.19	-44.53	peak	
4	0.2555	44.66	10.59	55.25	99.63	-44.38	peak	
5	0.2900	44.08	10.58	54.66	98.41	-43.75	peak	
6 *	0.4162	41.00	10.54	51.54	95.24	-43.70	peak	



Antenna:90

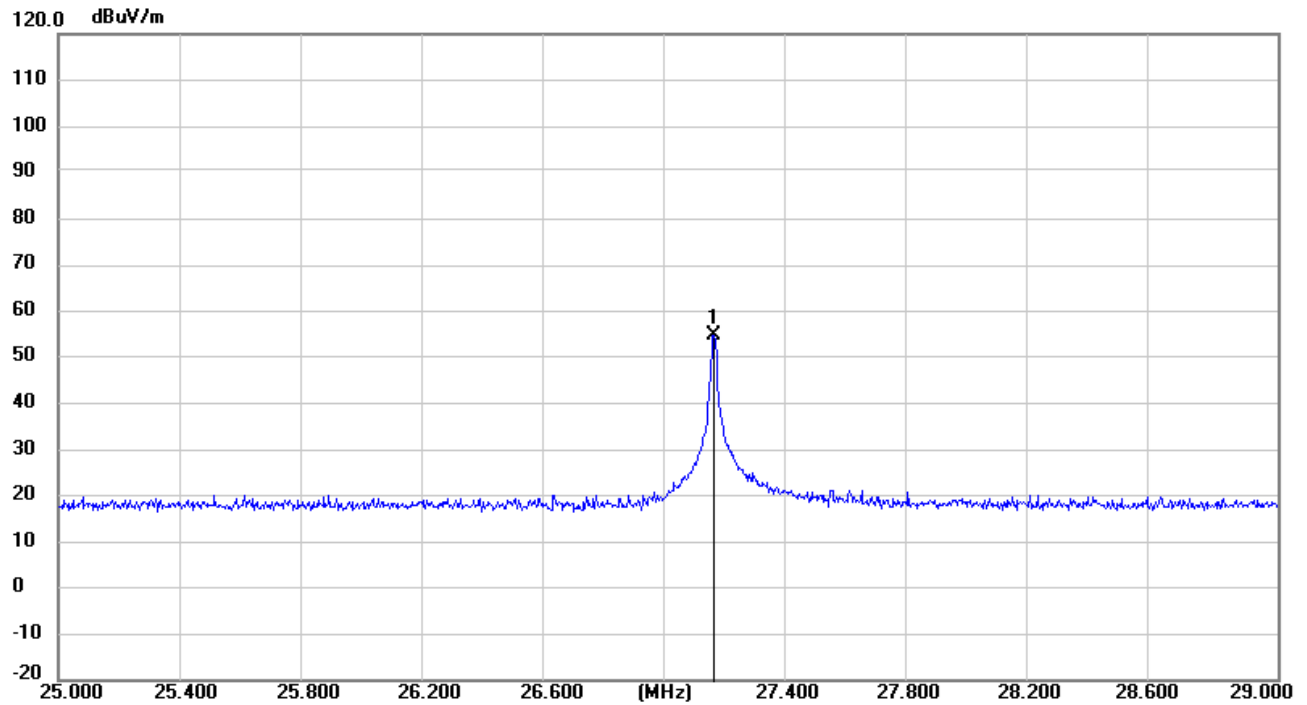
Mode: 27.15MHz

No.	Frequency (MHz)	Reading Level(dBuV)	Correct Factor(dB/m)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	0.5320	36.79	10.51	47.30	73.13	-25.83	peak	
2	0.7125	35.15	10.53	45.68	70.56	-24.88	peak	
3	1.5317	27.66	10.59	38.25	63.90	-25.65	peak	
4	3.2522	20.09	10.73	30.82	69.54	-38.72	peak	
5	4.1118	19.59	10.80	30.39	69.54	-39.15	peak	

FIELD STRENGTH OF INTENTIONAL EMISSIONS (HORIZONTAL)

No.	Frequency (MHz)	Reading Level(dBuV)	Correct Factor(dB/m)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1 *	27.1520	43.39	8.90	52.29	80	-27.71	peak	

FIELD STRENGTH OF INTENTIONAL EMISSIONS (VERTICAL)



No.	Frequency (MHz)	Reading Level(dBuV)	Correct Factor(dB/m)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	27.1520	45.88	8.90	54.78	80	-25.22	peak	

Note:

- 1.The field strength of any emission within this band shall not exceed 10,000 microvolts/meter at 3 meters. The provisions in § 15.35 for limiting peak emissions apply.
- 2.All the modes (Transmitting and Receiving) had been tested, only the worst data record in the report.

9. ANTENNA REQUIREMENTS

APPLICABLE REQUIREMENTS

Please refer to FCC §15.203

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.

Please refer to FCC §15.247(b)(4)

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.

RESULTS

Complies

END OF REPORT