FCC RADIO TEST REPORT

For

FCC ID: W6TSGTXWMIC1

Report Reference No..... :	21EFSS07102 08011
Date Sample(s) Received..... :	2021-07-29
Date Tested ..... :	From 2021-07-29 to 2021-09-19
Date of issue..... :	2021-09-19
Testing Laboratory..... :	DongGuan ShuoXin Electronic Technology Co., Ltd.
Address..... :	Zone A, 1F, No. 6, XinGang Road YuanGang Street, XinAn District, ChangAn Town, DongGuan City, GuangDong, China
Applicant's name……..:	SUNLIGHT GROUP Ltd.
Address……..:	Unit 1018-20, 10/F., Tower B, New Mandarin Plaza, 14 Science Museum Rd.,Tsim Sha Tsui.
Manufacturer……..:	SUNLIGHT GROUP Ltd.

Test specification:

Test item description..... :	Wireless Microphone
Trade Mark ..... :	Singtrix
Model/Type reference..... :	SGTXWMIC1
Ratings..... :	I/P: DC 3V

Test Engineer : Blue Qiu

Responsible Engineer : Smile Wang

Authorized Signatory: King Wang

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TEST REPORT DECLARE

Applicant	**:**	SUNLIGHT GROUP Ltd.
Address	**:**	Unit 1018-20, 10/F., Tower B, New Mandarin Plaza, 14 Science Museum Rd.,Tsim Sha Tsui.
Equipment under Test	**:**	Wireless Microphone
Test Model No	**:**	SGTXWMIC1
Manufacturer	**:**	SUNLIGHT GROUP Ltd.
Address	**:**	Unit 1018-20, 10/F., Tower B, New Mandarin Plaza, 14 Science Museum Rd.,Tsim Sha Tsui.

Test Standard Used: FCC Rules and Regulations Part 15 Subpart C (15.249)

Test procedure used: ANSI C63.10:2013

We Declare:

The equipment described above is tested by DongGuan ShuoXin Electronic Technology Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and DongGuan ShuoXin Electronic Technology Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

1. Summary of test Standards and results

The EUT have been tested according to the applicable standards as referenced below.

Description of Test Item	Standard	Results
AC Line Conducted Emissions	FCC Part 15.207 (a),	N/A
99% Bandwidth	FCC Part 15.215(c),	PASS
Radiated emission	FCC Part 15.209, 15.249 (a),	PASS
Bandedge	FCC Part 15.205	PASS

NOTE: “N/A” denotes test is not applicable in this Test Report

2. General test information

2.1. Description of EUT

EUT* Name	:	Wireless Microphone
Model Number	:	SGTXWMIC1
EUT function description	:	Please reference user manual of this device
Power supply	:	DC 3V
Adaptor	:	/
Operation frequency	:	905 MHz -920.5MHz
Modulation	:	FSK
Antenna Type	:	Internal Antenna, maximum PK gain: 0dBi
Date of Receipt	:	2021/07/29
Sample Type	:	Single production
Hardware Version	:	V1.0
Software Version	:	V1.0

Note:

1,For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2, Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	905.0	12	910.5	23	916.0
2	905.5	13	911.0	24	916.5
3	906.0	14	911.5	25	917.0
4	906.5	15	912.0	26	917.5
5	907.0	16	912.5	27	918.0
6	907.5	17	913.0	28	918.5
7	908.0	18	913.5	29	919.0
8	908.5	19	914.0	30	919.5
9	909.0	20	914.5	31	920.0
10	909.5	21	915.0	32	920.5
11	910.0	22	915.5		

2.2. Accessories of EUT

Description of Accessories	Manufacturer	Model number or Type	Other
/	/	/	/

2.3. Assistant equipment used for test

Description of Assistant equipment	Manufacturer	Model number or Type	Other
/	/	/	/

2.4. Block diagram of EUT configuration for test

2.5. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature range:	21-25℃
Humidity range:	40-75%
Pressure range:	86-106kPa

2.6. Measurement uncertainty

Test Item	Uncertainty
Uncertainty for Conduction emission test (9kHz-150kHz)	3.7 dB
Uncertainty for Conduction emission test (150kHz-30MHz)	3.3 dB
Uncertainty for Radiation Emission test (30MHz-200MHz)	4.60 dB (Polarize: V)
	4.60 dB (Polarize: H)
Uncertainty for Radiation Emission test (200MHz-1GHz)	6.10 dB (Polarize: V)
	5.08 dB (Polarize: H)
Uncertainty for Radiation Emission test (1GHz-6GHz)	5.01 dB (Polarize: V)
	5.01 dB (Polarize: H)
Uncertainty for Radiation Emission test (6GHz-18GHz)	5.26 dB (Polarize: V)
	5.26 dB (Polarize: H)
Uncertainty for Radiation Emission test (18GHz-40GHz)	5.06 dB (Polarize: V)
	5.06 dB (Polarize: H)
Uncertainty for radio frequency	±0.048kHz
Uncertainty for conducted RF Power	±0.32dB

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Test Facility:

The Test site used by DongGuan ShuoXin Electronic Technology Co., Ltd. to collect test data is located on the Zone A, 1F, No. 6, XinGang Road YuanGang Street, XinAn District, ChangAn Town, DongGuan City, GuangDong, China

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

Item	Registration No.	Expiration Date
CNAS	L3098	2024-08-27
A2LA	4893.01	2022-06-30
Innovation, Science and Economic Development Canada (ISED)	11033A CAB identifier:CN0083	2022-06-30
Federal Communications Commission (FCC)	171688 Designation No.:CN1235	2022-06-30

2.8. Table Of Parameters 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.

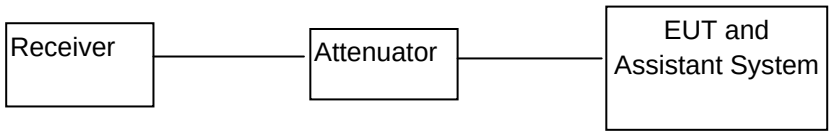
Test Software Version			
Frequency (MHz)	905MHz	912.5MHz	920.5MHz
Power Parameters (ASK)	Default	Default	Default

3. 99% Occupied Bandwidth

3.1. Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until	Calibrated Date
1	Spectrum analyzer	KEYSIGHT	N9010A	MY55150427	05/28/2022	05/29/2021
2	Attenuator	Mini-Circuits	BW-S10W2	101109	N/A	N/A
3	RF Cable	Micable	C10-01-01-1	100309	N/A	N/A

3.2. Block diagram of test setup



3.3. Limits

N/A

3.4. Test Procedure

(1) Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.

(2) Position the EUT without connection to measurement instrument. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.

(3) Measure the frequency difference of two frequencies that were attenuated 6 dB from the reference level. Record the frequency difference as the emission bandwidth.

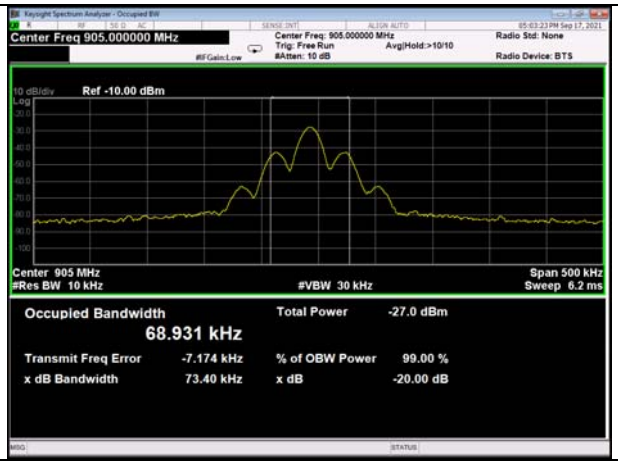
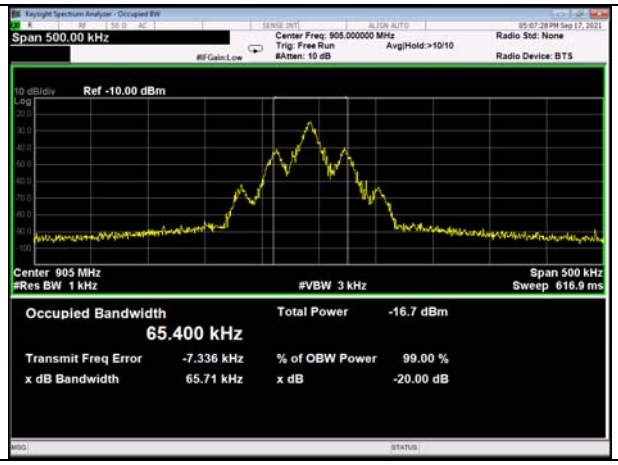
(4) Repeat above procedures until all frequencies measured were complete.

3.5. Test Result

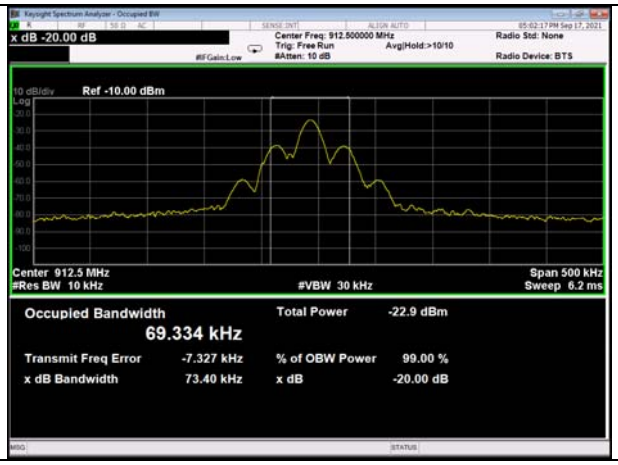
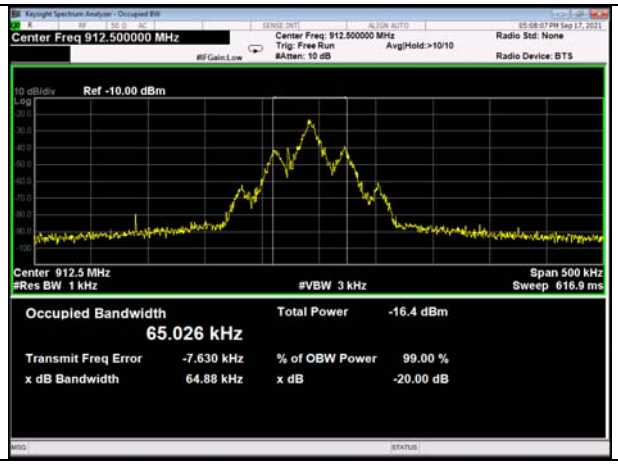
Frequency (MHz)	20dB Bandwidth (kHz)	99% dB bandwidth (kHz)
905.0	73.40	65.400
912.5	73.40	65.026
920.5	72.89	64.333

3.6. Original test data

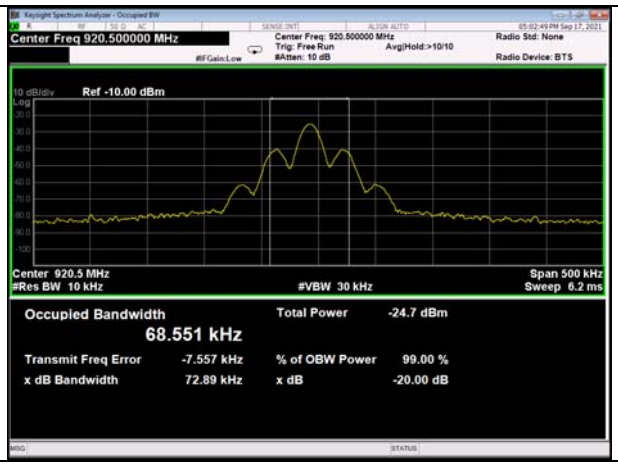
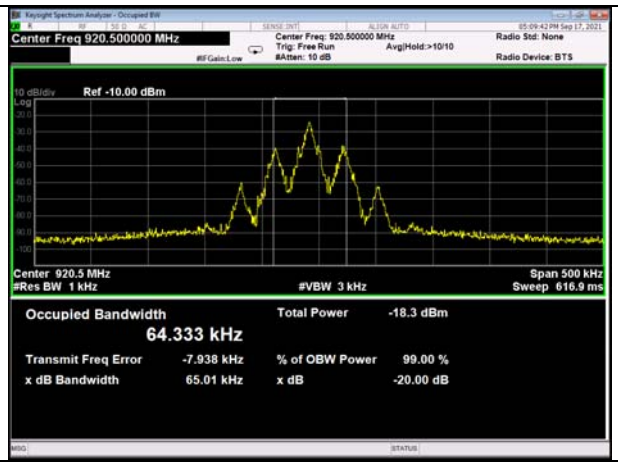
905MHz

20dB BW	99% BW
	

912.5MHz

20dB BW	99% BW
	

920.5MHz

20dB BW	99% BW
	

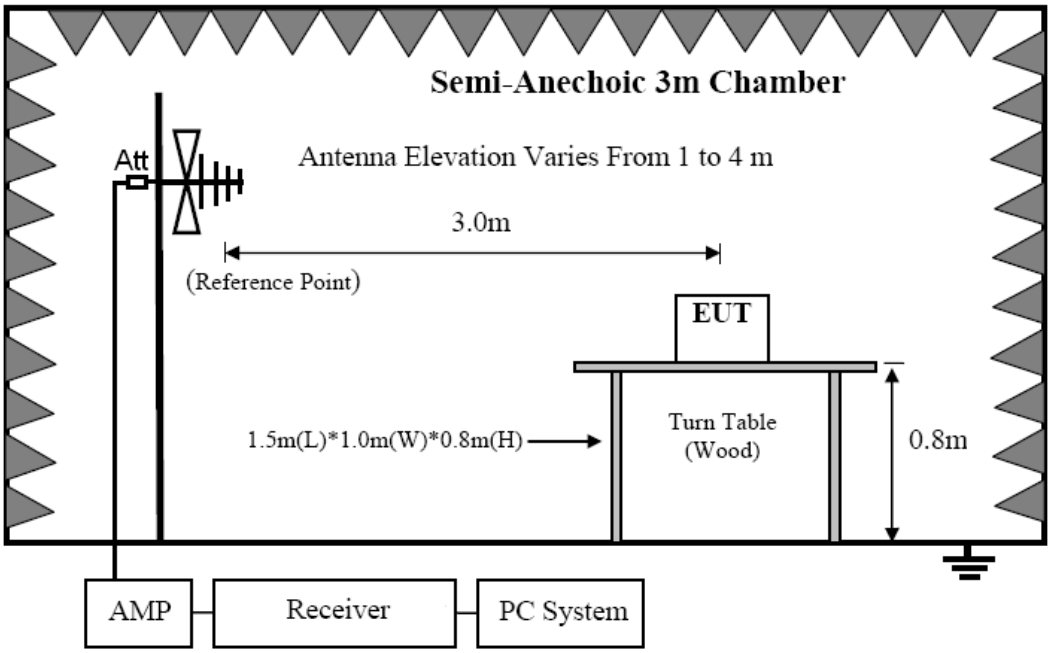
4. Field Strength of Spurious Emissions And Field Strength of Fundamental

4.1. Test equipment

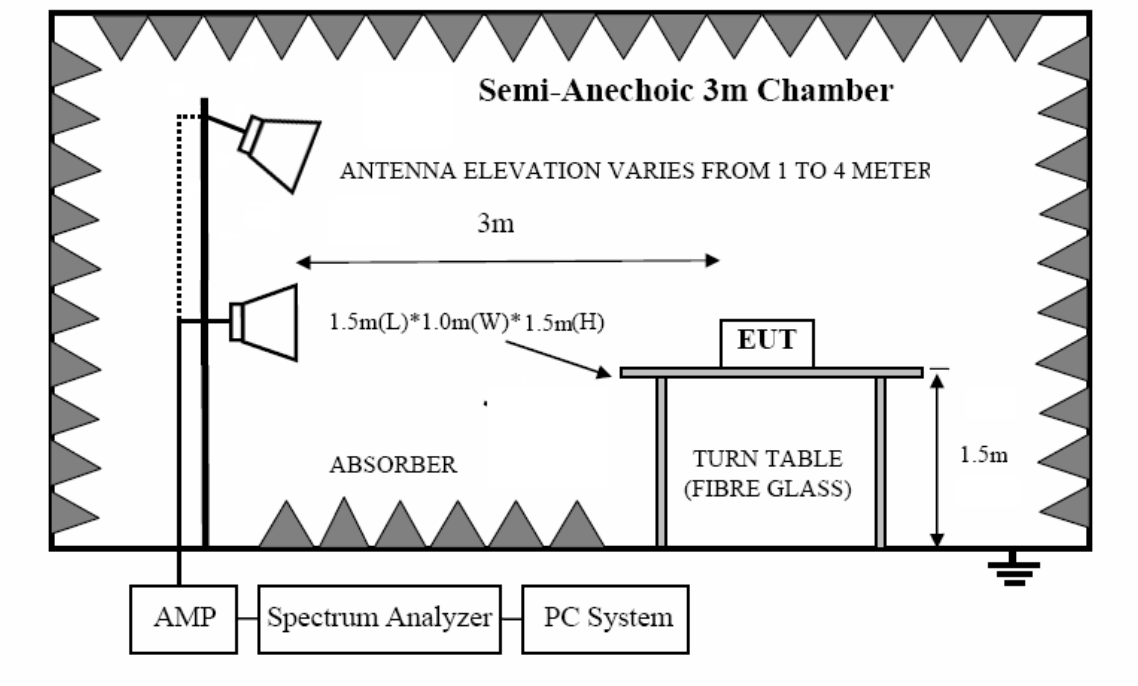
Item	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until	Calibrated Date
1	EMI Test Receiver	R&S	ESCI	101307	12/12/2021	12/13/2020
2	Spectrum Analyzer	Agilent	E4407B	US40240708	11/17/2021	11/18/2020
3	Loop antenna	SCHWARZBECK	FMZB1519	1519-062	12/14/2021	12/15/2020
4	Broadband antenna	SCHWARZBECK	VULB9168	VULB9168-192	08/05/2022	08/06/2021
5	HORN ANTENNA	SCHWARZBECK	BBHA9120D	BBHA 9120D 1065	05/06/2022	05/07/2021
6	Preamplifier Amplifier	HP	8447F	3113A05680	12/11/2021	12/12/2020
7	PRE-AMPLIFIER	CY	EMC011830	980136	12/11/2021	12/12/2020
8	RF Cable	R&S	Test Cable 4	4	12/11/2021	12/12/2020
9	RF Cable	R&S	Test Cable 5	5	12/11/2021	12/12/2020
10	RF Cable	R&S	Test Cable 9	9	04/19/2022	04/20/2021
11	RF Cable	R&S	Test Cable 10	10	12/11/2021	12/12/2020
12	Measurement Software	Farad	EZ-EMC (Ver.ATT-03A)	N/A	N/A	N/A

4.2. Block diagram of test setup

In 3m Anechoic Chamber Test Setup Diagram for below 1GHz



In 3m Anechoic Chamber Test Setup Diagram for frequency above 1GHz



Note: For harmonic emissions test a appropriate high pass filter was inserted in the input port of AMP.

4.3. Limit

4.3.1 FCC 15.205 Restricted frequency band

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])

4.3.2 FCC 15.209 Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

4.3.3 FCC 15.249(a) limilt

Fundamental Frequency (MHz)	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (millivolts/meter)
902-928	50	500
2400-2483.5	50	500
5725-5875	50	500
24.0-24.25	250	2500

4.4. Test Procedure

(1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber.

(2) Setup EUT and assistant system according clause 2.4 and 8.2

(3) Test antenna was located 3m from the EUT on an adjustable mast. Below pre-scan procedure was first performed in order to find prominent radiated emissions.

(a) Change work frequency or channel of device if practicable.

(b) Change modulation type of device if practicable.

(c) Change power supply range from 85% to 115% of the rated supply voltage

(d) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions

(4) Spectrum frequency from 9MHz to 25GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 9KHz to 30MHz and 18GHz to 25GHz, so below final test was performed with frequency range from 30MHz to 18GHz.

(5) For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna

height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10 2013 on Radiated Emission test.

(6) For emissions from 30MHz to 1GHz, Quasi-Peak values were measured with EMI Receiver and the bandwidth of Receiver is 120 KHz.

(7)For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1MHz, VBW is set at 3MHz for Peak measure, Detector is at PK; RBW is set at 1MHz, VBW is set at 3MHz for Average measure, Detector is at RMS..

(8) For Field Strength of Fundamental were measured with Spectrum Analyzer, and the RBW is set at above 99% Occupied Bandwidth , VBW is set at equal to RBW for Peak measure, Detector is at PK

(9) The test result is calculated as the following:

Result = Reading + Correct Factor

Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator

Margin = Result - Limit

EUT Duty Cycle is 100%

4.5. Test result

Below 30M

EUT:	Wireless Microphone	**Model No.:**	SGTXWMIC1
Temperature:	24℃	**Relative Humidity:**	55%
Distance:	3m	**Test Power:**	DC 3V
Polarization:	--	**Test Result:**	Pass
Test Mode:	Keeping TX mode	**Test By:**	Smile

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
--	--	--	--	P
--	--	--	--	P

Note:

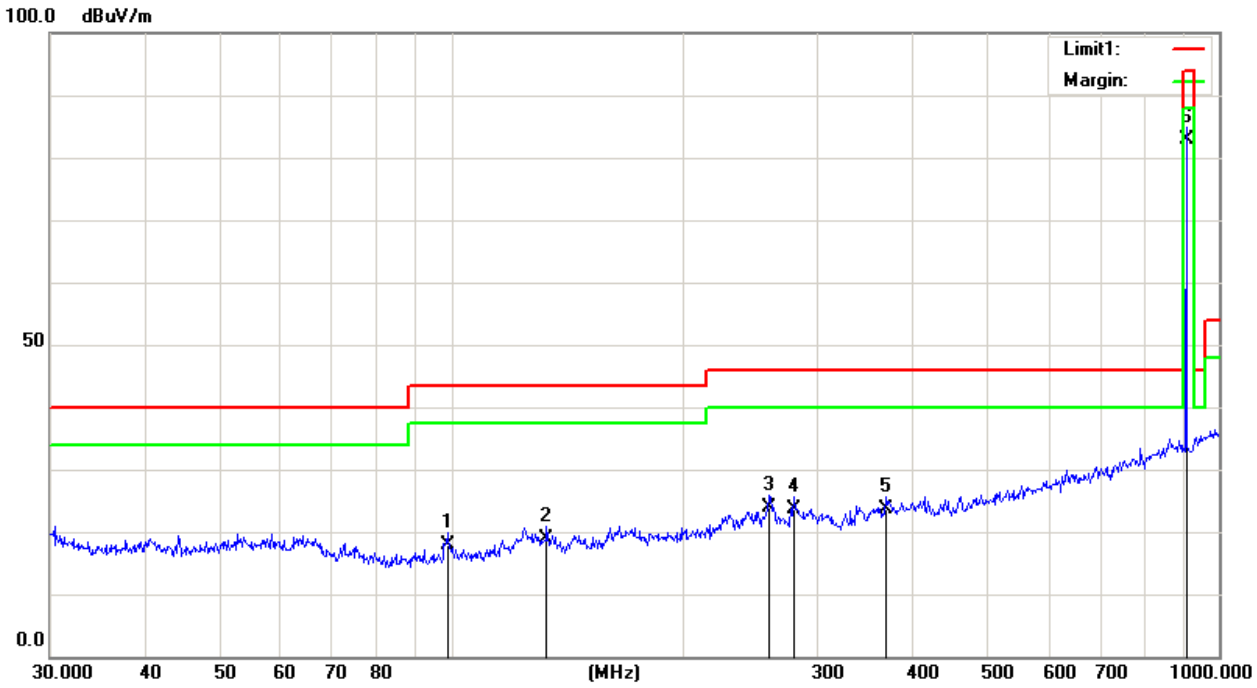
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor =20 log (specific distance/test distance)(dB);

Limit line = specific limits(dBuv) + distance extrapolation factor

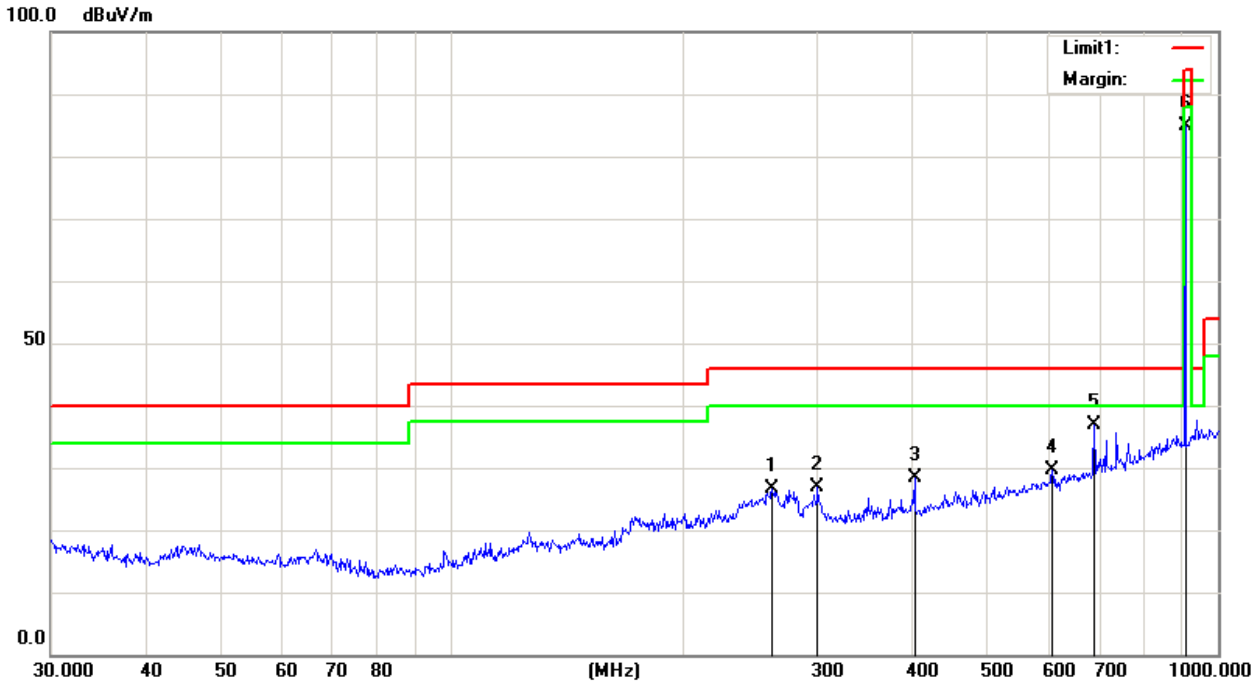
Between 30M – 1000 MHz

EUT:	Wireless Microphone	Model No.:	SGTXWMTC1
Temperature:	23	Relative Humidity:	54%
Distance:	3m	Test Power:	DC 3V
Polarization:	Vertical	Test Result:	Pass
Test Time:	2021-8-28	Test By:	
Standard:	(RE)FCC PART 15.249 30M-1G		
Test Mode:	TX		
Note:	905MHz		



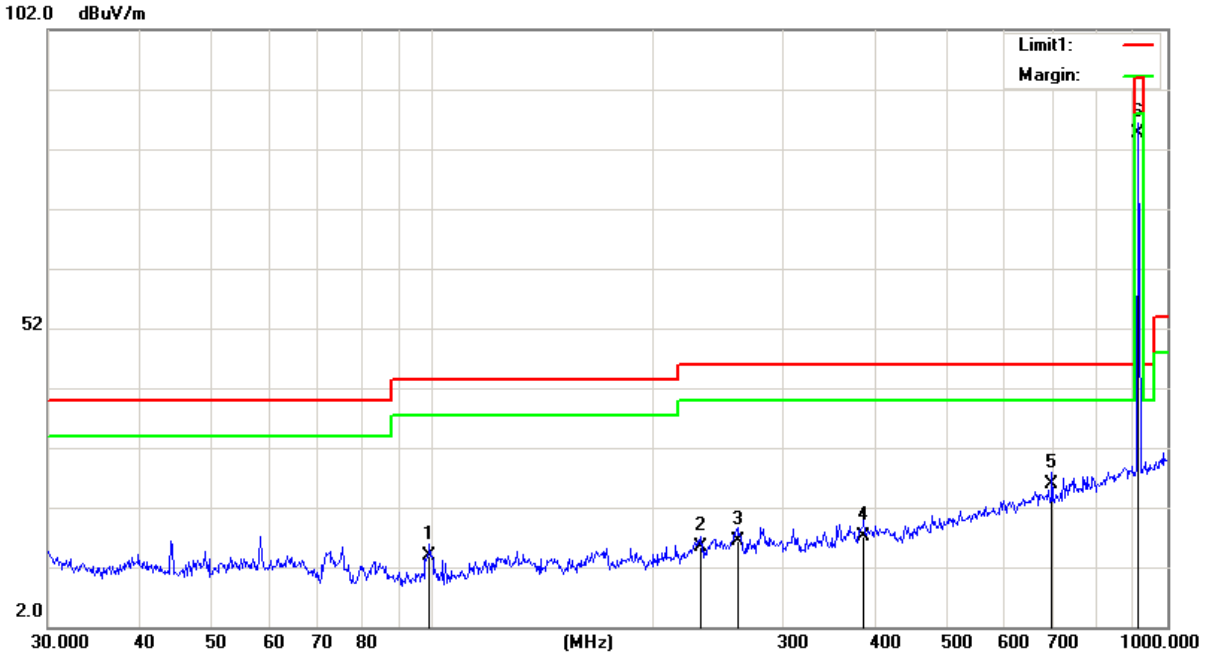
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	98.8324	32.50	-14.54	17.96	43.50	-25.54	QP
2	133.1511	30.94	-11.97	18.97	43.50	-24.53	QP
3	259.2336	30.21	-6.24	23.97	46.00	-22.03	QP
4	279.0436	30.19	-6.66	23.53	46.00	-22.47	QP
5	368.1116	30.38	-6.76	23.62	46.00	-22.38	QP
6	906.4823	79.30	3.47	82.77	94.00	-11.23	QP

EUT:	Wireless Microphone	Model No.:	SGTXWMTC1
Temperature:	23	Relative Humidity:	54%
Distance:	3m	Test Power:	DC 3V
Polarization:	Horizontal	Test Result:	Pass
Test Time:	2021-8-28	Test By:	
Standard:	(RE)FCC PART 15.249 30M-1G		
Test Mode:	TX		
Note:	905MHz		



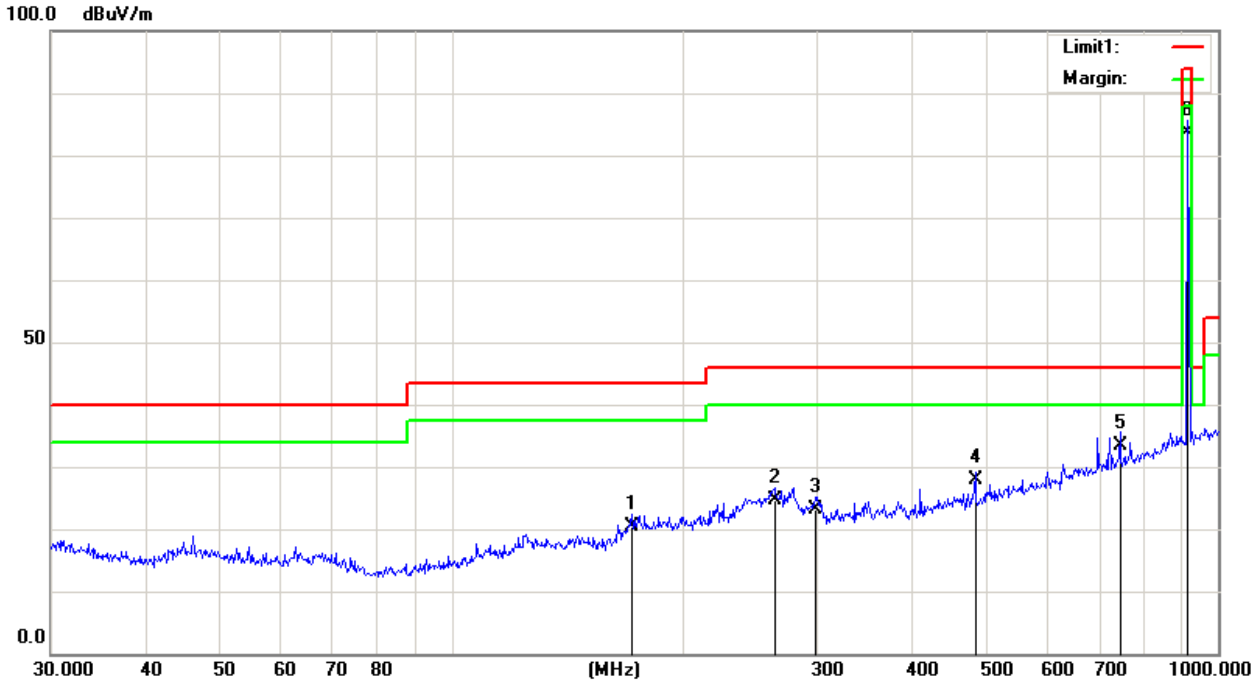
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	261.9753	31.48	-4.84	26.64	46.00	-19.36	peak
2	300.3672	32.88	-5.92	26.96	46.00	-19.04	peak
3	401.8385	35.54	-7.04	28.50	46.00	-17.50	peak
4	607.7866	32.86	-3.25	29.61	46.00	-16.39	peak
5	689.5643	38.79	-1.79	37.00	46.00	-9.00	peak
6	906.4823	81.29	3.47	84.76	94.00	-9.24	peak

EUT:	Wireless Microphone	Model No.:	SGTXWMTC1
Temperature:	23	Relative Humidity:	54%
Distance:	3m	Test Power:	DC 3V
Polarization:	Vertical	Test Result:	Pass
Test Time:	2021-8-28	Test By:	
Standard:	(RE)FCC PART 15.249 30M-1G		
Test Mode:	TX		
Note:	912.5MHz		



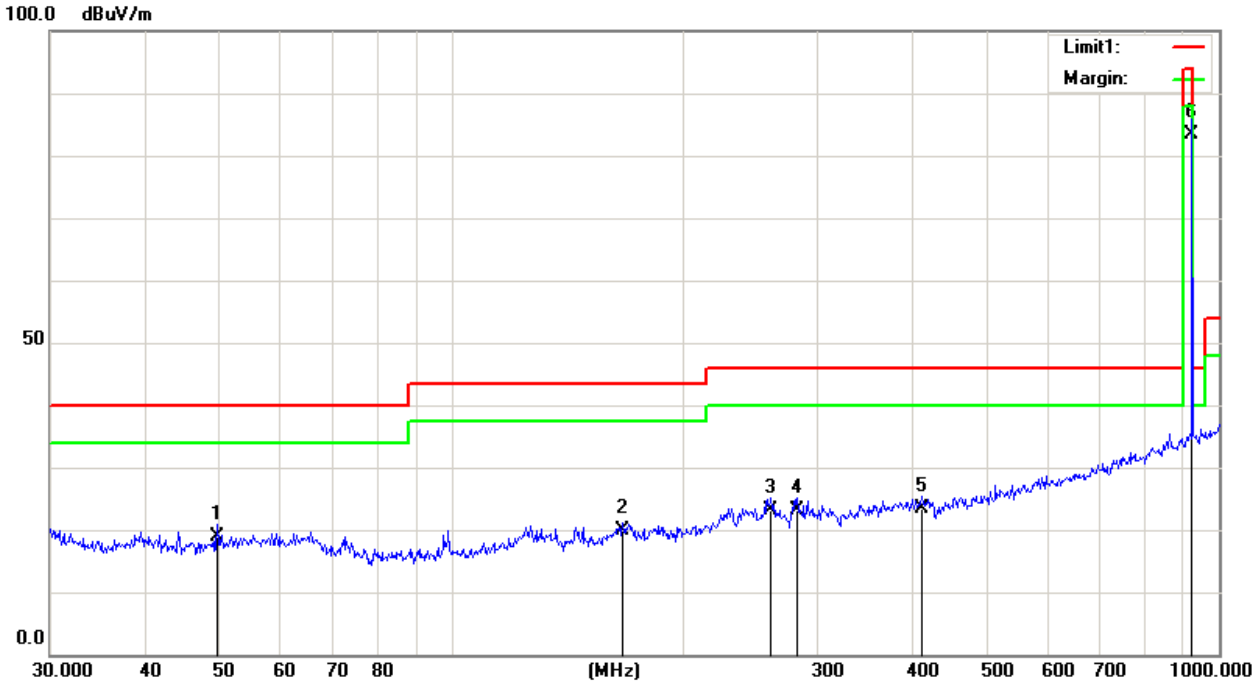
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	99.1796	28.29	-14.50	13.79	43.50	-29.71	QP
2	231.7178	23.75	-8.41	15.34	46.00	-30.66	QP
3	260.1444	22.39	-6.01	16.38	46.00	-29.62	QP
4	386.6338	23.43	-6.33	17.10	46.00	-28.90	QP
5	696.8567	27.47	-1.66	25.81	46.00	-20.19	QP
6	912.8618	81.11	3.55	84.66	94.00	-9.34	QP

EUT:	Wireless Microphone	Model No.:	SGTXWMTC1
Temperature:	23	Relative Humidity:	54%
Distance:	3m	Test Power:	DC 3V
Polarization:	Horizontal	Test Result:	Pass
Test Time:	2021-8-28	Test By:	
Standard:	(RE)FCC PART 15.249 30M-1G		
Test Mode:	TX		
Note:	912.5MHz		



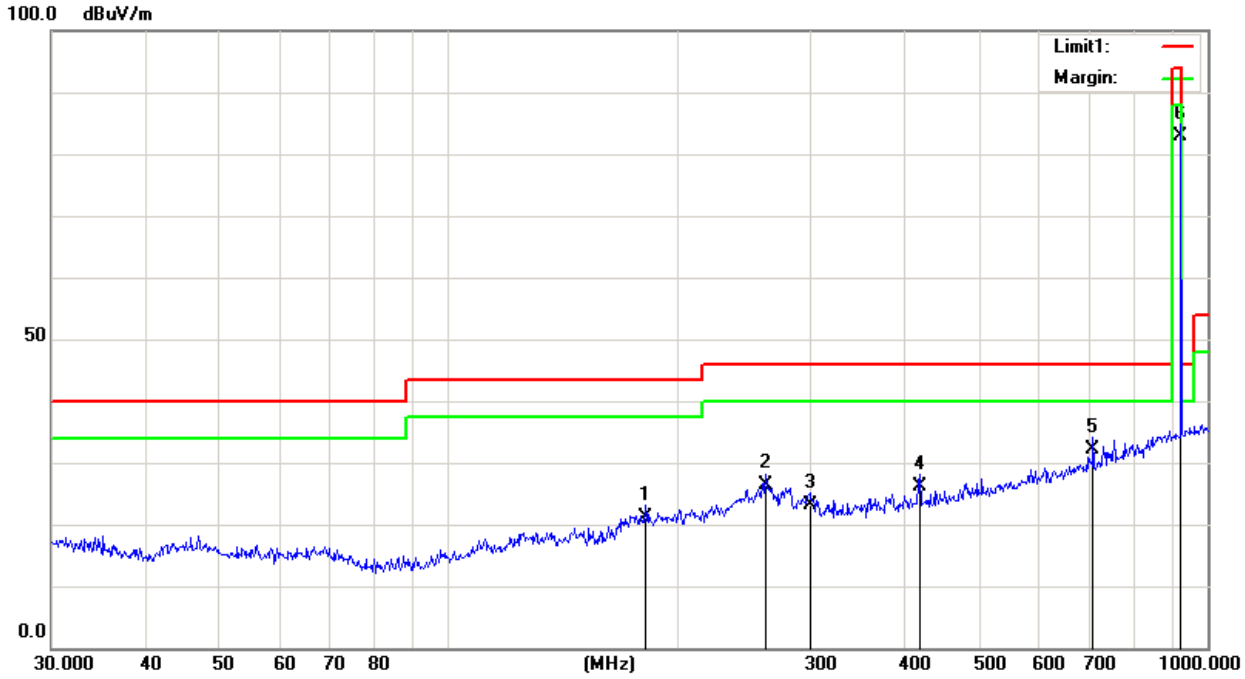
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	171.9945	30.22	-9.88	20.34	43.50	-23.16	QP
2	263.8190	29.40	-4.76	24.64	46.00	-21.36	QP
3	298.2681	29.41	-6.16	23.25	46.00	-22.75	QP
4	482.2155	33.57	-5.73	27.84	46.00	-18.16	QP
5	744.8660	33.85	-0.49	33.36	46.00	-12.64	QP
6	912.8619	80.10	3.55	83.65	94.00	-10.35	QP

EUT:	Wireless Microphone	Model No.:	SGTXWMTC1
Temperature:	23	Relative Humidity:	54%
Distance:	3m	Test Power:	DC 3V
Polarization:	Vertical	Test Result:	Pass
Test Time:	2021-8-28	Test By:	
Standard:	(RE)FCC PART 15.249 30M-1G		
Test Mode:	TX		
Note:	920.5MHz		



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	49.5328	32.14	-13.20	18.94	40.00	-21.06	QP
2	167.2366	30.39	-10.55	19.84	43.50	-23.66	QP
3	261.0582	29.64	-6.50	23.14	46.00	-22.86	QP
4	281.9945	29.95	-6.82	23.13	46.00	-22.87	QP
5	410.3824	29.76	-6.42	23.34	46.00	-22.66	QP
6	922.5157	79.69	3.65	83.34	94.00	-10.66	QP

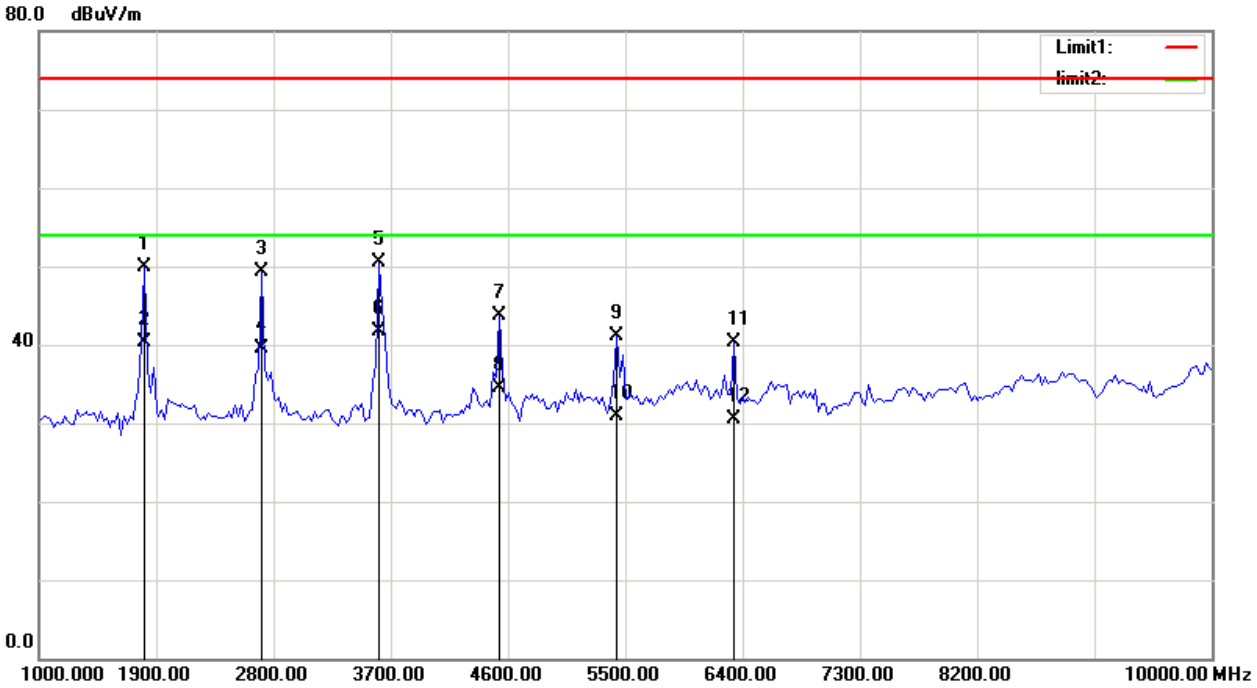
EUT:	Wireless Microphone	Model No.:	SGTXWMTC1
Temperature:	23	Relative Humidity:	54%
Distance:	3m	Test Power:	DC 3V
Polarization:	Horizontal	Test Result:	Pass
Test Time:	2021-8-28	Test By:	
Standard:	(RE)FCC PART 15.249 30M-1G		
Test Mode:	TX		
Note:	920.5MHz		



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	181.9201	30.99	-9.84	21.15	43.50	-22.35	QP
2	261.9753	31.27	-4.84	26.43	46.00	-19.57	QP
3	299.3158	29.08	-5.94	23.14	46.00	-22.86	QP
4	417.6409	33.27	-7.20	26.07	46.00	-19.93	QP
5	706.6998	33.62	-1.44	32.18	46.00	-13.82	QP
6	922.5157	79.29	3.65	82.94	94.00	-11.06	QP

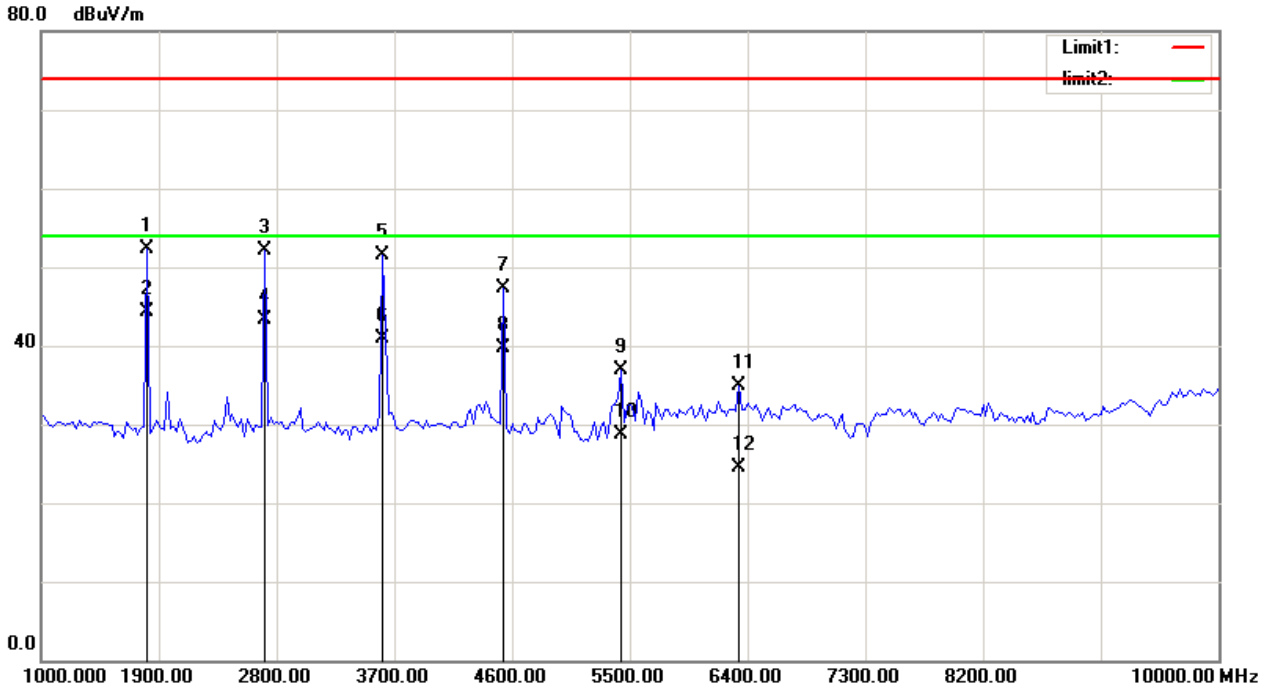
Between 1000M – 10000 MHz

EUT:	Wireless Microphone	Model No.:	SGTXWMTC1
Temperature:	23	Relative Humidity:	54%
Distance:	3m	Test Power:	DC 3V
Polarization:	Vertical	Test Result:	Pass
Test Time:	2021-8-28	Test By:	
Standard:	FCC PART 15 C 1-26.5G PEAK		
Test Mode:	TX		
Note:	905MHz		



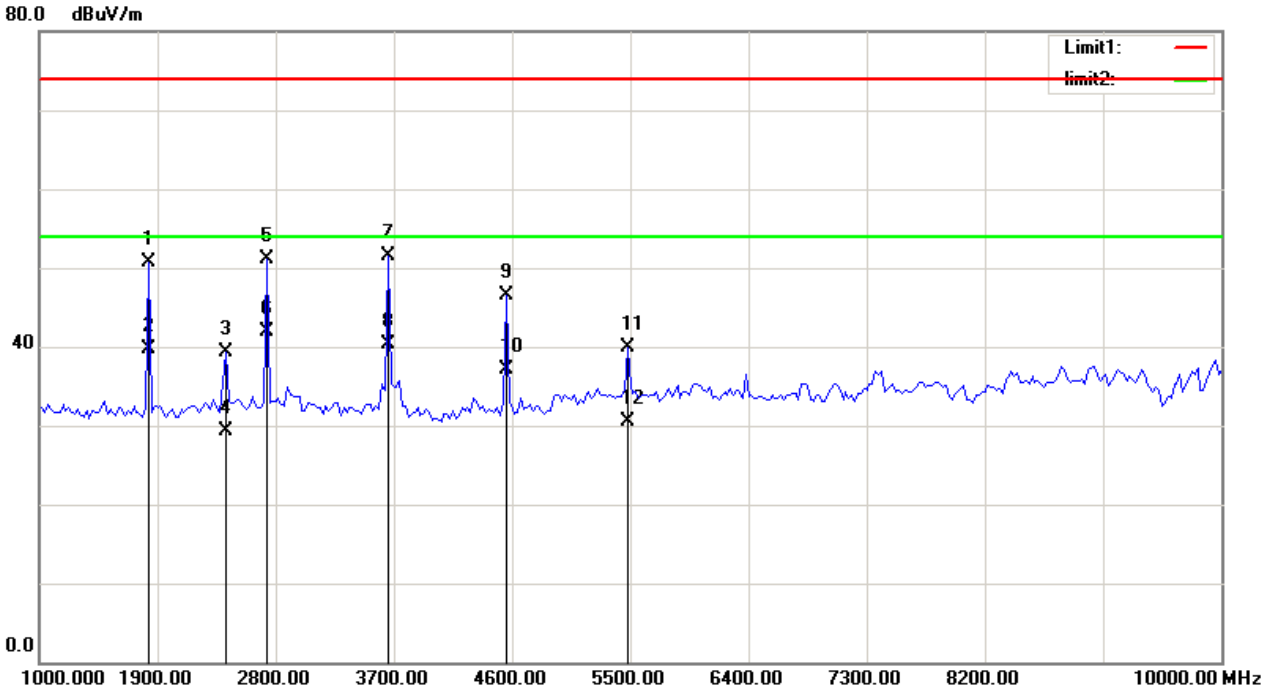
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1810.000	65.88	-15.93	49.95	74.00	-24.05	peak
2	1810.000	56.32	-15.93	40.39	54.00	-13.61	AVG
3	2710.000	62.27	-13.00	49.27	74.00	-24.73	peak
4	2710.000	52.48	-13.00	39.48	54.00	-14.52	AVG
5	3610.000	62.27	-11.86	50.41	74.00	-23.59	peak
6	3610.000	53.60	-11.86	41.74	54.00	-12.26	AVG
7	4532.500	53.75	-10.07	43.68	74.00	-30.32	peak
8	4532.500	44.62	-10.07	34.55	54.00	-19.45	AVG
9	5432.500	47.79	-6.74	41.05	74.00	-32.95	peak
10	5432.500	37.62	-6.74	30.88	54.00	-23.12	AVG
11	6332.500	44.20	-3.98	40.22	74.00	-33.78	peak
12	6332.500	34.39	-3.98	30.41	54.00	-23.59	AVG

EUT:	Wireless Microphone	Model No.:	SGTXWMTC1
Temperature:	23	Relative Humidity:	54%
Distance:	3m	Test Power:	DC 3V
Polarization:	Horizontal	Test Result:	Pass
Test Time:	2021-8-28	Test By:	
Standard:	FCC PART 15 C 1-26.5G PEAK		
Test Mode:	TX		
Note:	905MHz		



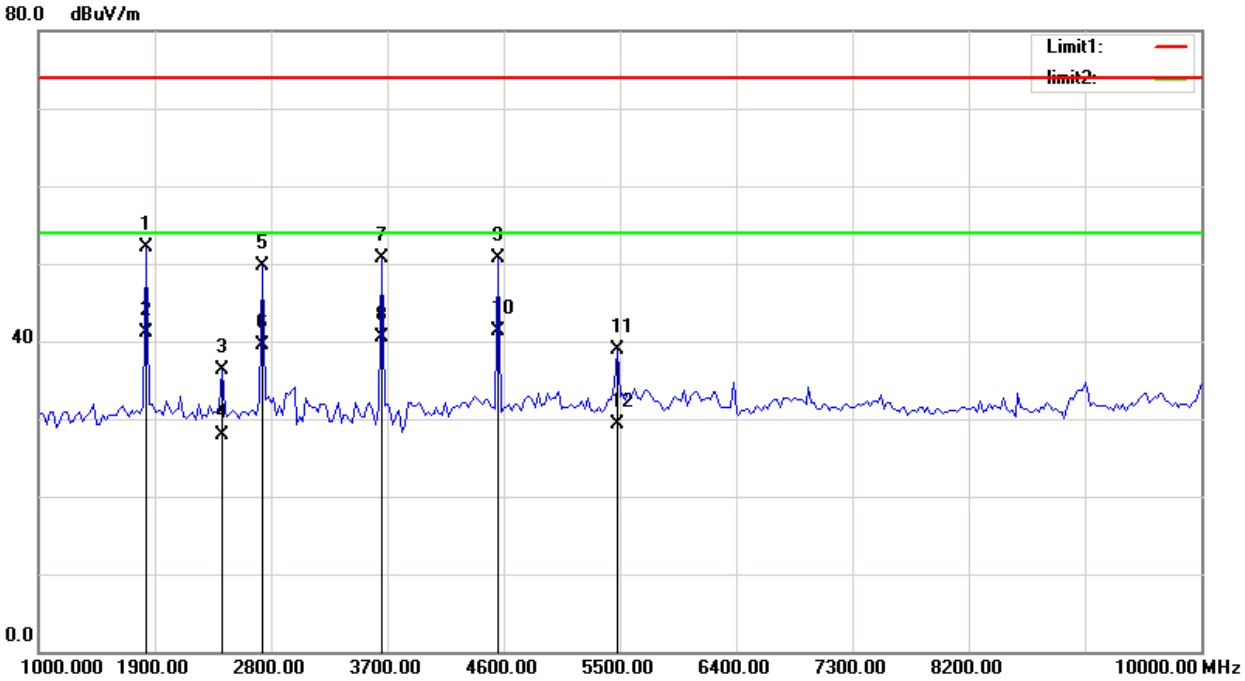
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1810.000	68.28	-15.93	52.35	74.00	-21.65	peak
2	1810.000	60.27	-15.93	44.34	54.00	-9.66	AVG
3	2710.000	65.11	-13.00	52.11	74.00	-21.89	peak
4	2710.000	56.21	-13.00	43.21	54.00	-10.79	AVG
5	3610.000	63.39	-11.86	51.53	74.00	-22.47	peak
6	3610.000	52.71	-11.86	40.85	54.00	-13.15	AVG
7	4532.500	57.40	-10.07	47.33	74.00	-26.67	peak
8	4532.500	49.68	-10.07	39.61	54.00	-14.39	AVG
9	5432.500	43.60	-6.74	36.86	74.00	-37.14	peak
10	5432.500	35.48	-6.74	28.74	74.00	-45.26	QP
11	6332.500	38.96	-3.98	34.98	74.00	-39.02	peak
12	6332.500	28.57	-3.98	24.59	54.00	-29.41	AVG

EUT:	Wireless Microphone	Model No.:	SGTXWMTC1
Temperature:	23	Relative Humidity:	54%
Distance:	3m	Test Power:	DC 3V
Polarization:	Vertical	Test Result:	Pass
Test Time:	2021-8-28	Test By:	
Standard:	FCC PART 15 C 1-26.5G PEAK		
Test Mode:	TX		
Note:	912.5MHz		



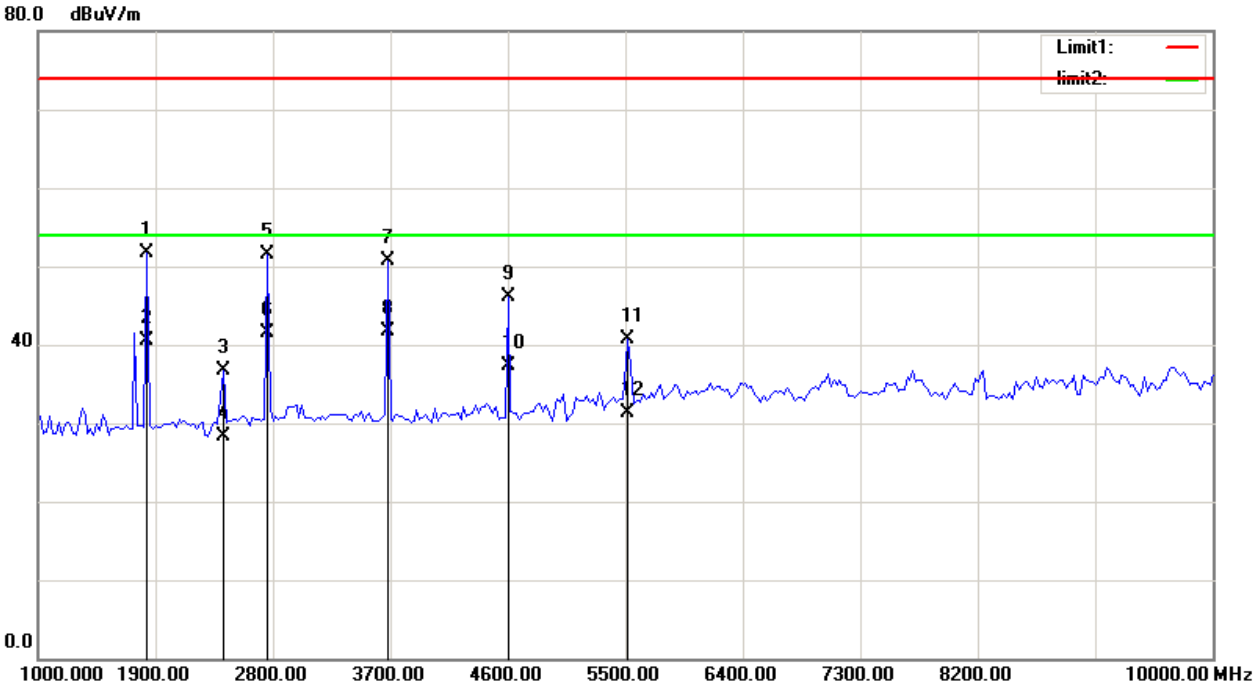
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1832.500	66.53	-15.82	50.71	74.00	-23.29	peak
2	1832.500	55.44	-15.82	39.62	54.00	-14.38	AVG
3	2417.500	53.11	-13.81	39.30	74.00	-34.70	peak
4	2417.500	43.12	-13.81	29.31	54.00	-24.69	AVG
5	2732.500	64.08	-12.94	51.14	74.00	-22.86	peak
6	2732.500	54.78	-12.94	41.84	54.00	-12.16	AVG
7	3655.000	63.26	-11.77	51.49	74.00	-22.51	peak
8	3655.000	52.06	-11.77	40.29	54.00	-13.71	AVG
9	4555.000	56.60	-10.00	46.60	74.00	-27.40	peak
10	4555.000	47.13	-10.00	37.13	54.00	-16.87	AVG
11	5477.500	46.49	-6.55	39.94	74.00	-34.06	peak
12	5477.500	36.99	-6.55	30.44	54.00	-23.56	AVG

EUT:	Wireless Microphone	Model No.:	SGTXWMTC1
Temperature:	23	Relative Humidity:	54%
Distance:	3m	Test Power:	DC 3V
Polarization:	Horizontal	Test Result:	Pass
Test Time:	2021-8-28	Test By:	
Standard:	FCC PART 15 C 1-26.5G PEAK		
Test Mode:	TX		
Note:	912.5MHz		



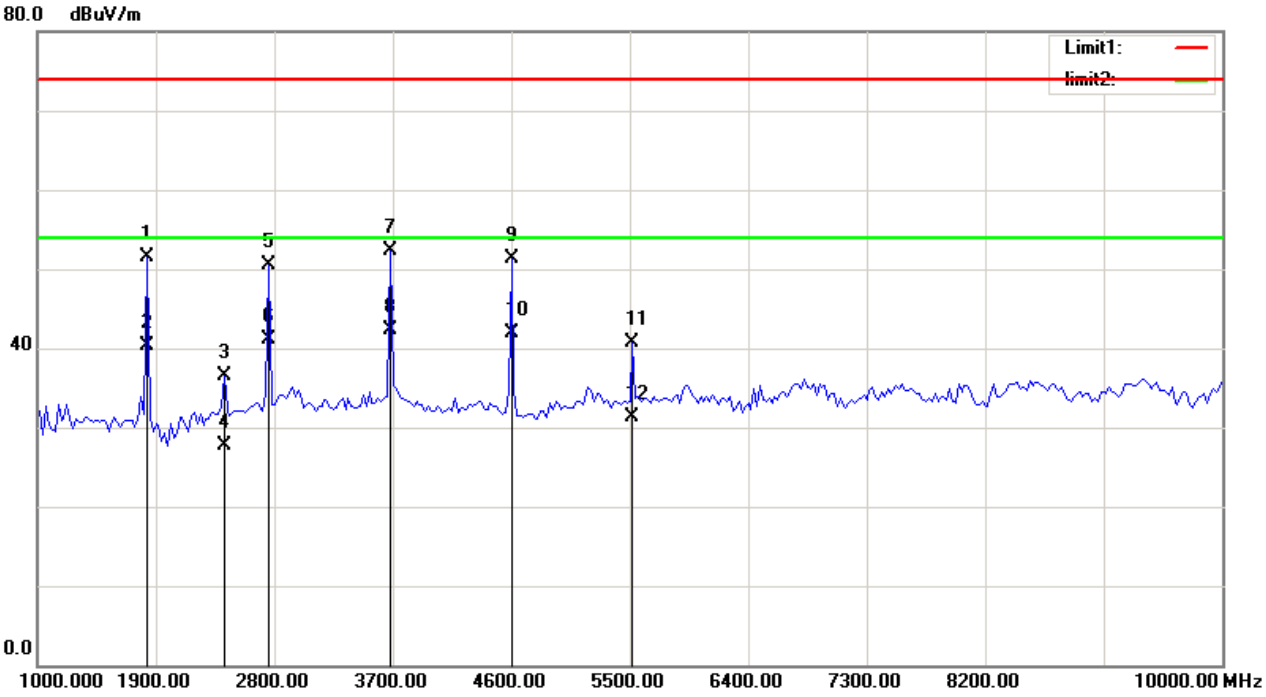
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1832.500	67.86	-15.82	52.04	74.00	-21.96	peak
2	1832.500	56.91	-15.82	41.09	54.00	-12.91	AVG
3	2417.500	50.04	-13.81	36.23	74.00	-37.77	peak
4	2417.500	41.62	-13.81	27.81	54.00	-26.19	AVG
5	2732.500	62.66	-12.94	49.72	74.00	-24.28	peak
6	2732.500	52.38	-12.94	39.44	54.00	-14.56	AVG
7	3655.000	62.57	-11.77	50.80	74.00	-23.20	peak
8	3655.000	52.35	-11.77	40.58	54.00	-13.42	AVG
9	4555.000	60.70	-10.00	50.70	74.00	-23.30	peak
10	4555.000	51.38	-10.00	41.38	54.00	-12.62	AVG
11	5477.500	45.52	-6.55	38.97	74.00	-35.03	peak
12	5477.500	35.91	-6.55	29.36	54.00	-24.64	AVG

EUT:	Wireless Microphone	Model No.:	SGTXWMTC1
Temperature:	23	Relative Humidity:	54%
Distance:	3m	Test Power:	DC 3V
Polarization:	Vertical	Test Result:	Pass
Test Time:	2021-8-28	Test By:	
Standard:	FCC PART 15 C 1-26.5G PEAK		
Test Mode:	TX		
Note:	920.5MHz		



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1832.500	67.46	-15.82	51.64	74.00	-22.36	peak
2	1832.500	56.41	-15.82	40.59	54.00	-13.41	AVG
3	2417.500	50.58	-13.81	36.77	74.00	-37.23	peak
4	2417.500	42.12	-13.81	28.31	54.00	-25.69	AVG
5	2755.000	64.29	-12.88	51.41	74.00	-22.59	peak
6	2755.000	54.44	-12.88	41.56	54.00	-12.44	AVG
7	3677.500	62.33	-11.72	50.61	74.00	-23.39	peak
8	3677.500	53.35	-11.72	41.63	54.00	-12.37	AVG
9	4600.000	55.99	-9.87	46.12	74.00	-27.88	peak
10	4600.000	47.12	-9.87	37.25	54.00	-16.75	AVG
11	5522.500	47.17	-6.42	40.75	74.00	-33.25	peak
12	5522.500	37.68	-6.42	31.26	54.00	-22.74	AVG

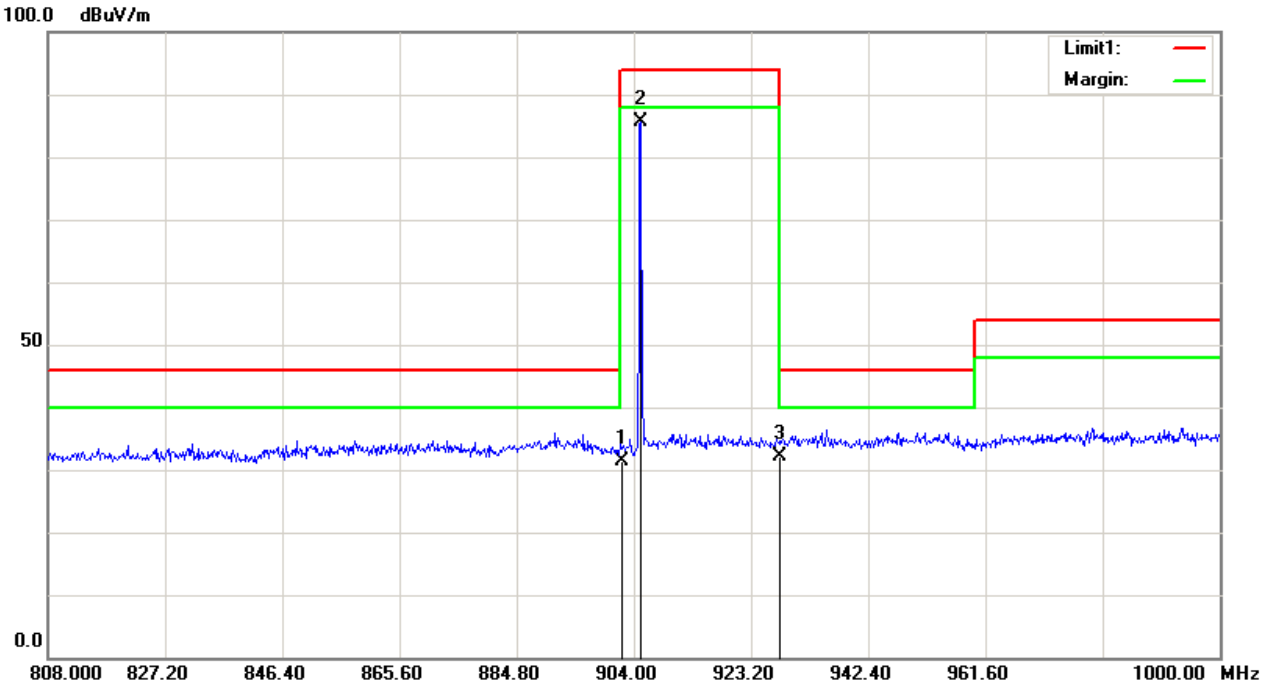
EUT:	Wireless Microphone	Model No.:	SGTXWMTC1
Temperature:	23	Relative Humidity:	54%
Distance:	3m	Test Power:	DC 3V
Polarization:	Horizontal	Test Result:	Pass
Test Time:	2021-8-28	Test By:	
Standard:	FCC PART 15 C 1-26.5G PEAK		
Test Mode:	TX		
Note:	920.5MHz		



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1832.500	67.26	-15.82	51.44	74.00	-22.56	peak
2	1832.500	56.21	-15.82	40.39	54.00	-13.61	AVG
3	2417.500	50.40	-13.81	36.59	74.00	-37.41	peak
4	2417.500	41.42	-13.81	27.61	54.00	-26.39	AVG
5	2755.000	63.40	-12.88	50.52	74.00	-23.48	peak
6	2755.000	54.01	-12.88	41.13	54.00	-12.87	AVG
7	3677.500	63.98	-11.72	52.26	74.00	-21.74	peak
8	3677.500	54.08	-11.72	42.36	54.00	-11.64	AVG
9	4600.000	61.17	-9.87	51.30	74.00	-22.70	peak
10	4600.000	51.76	-9.87	41.89	54.00	-12.11	AVG
11	5522.500	47.07	-6.42	40.65	74.00	-33.35	peak
12	5522.500	37.70	-6.42	31.28	54.00	-22.72	AVG

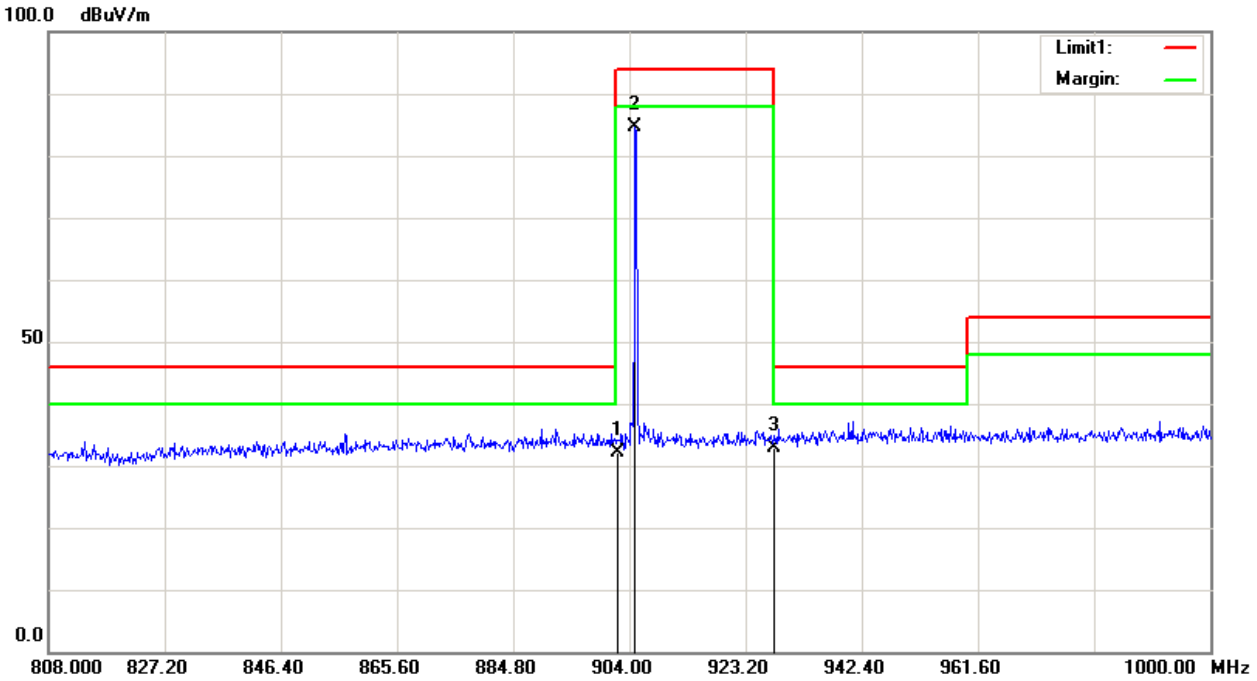
Radiated band edge and Field Strength of Fundamental

EUT:	Wireless Microphone	Model No.:	SGTXWMTC1
Temperature:	23	Relative Humidity:	54%
Distance:	3m	Test Power:	DC 3V
Polarization:	Vertical	Test Result:	Pass
Test Time:	2021-8-28	Test By:	
Standard:	(RE)FCC PART 15.249 30M-1G		
Test Mode:	TX		
Note:	905MHz		



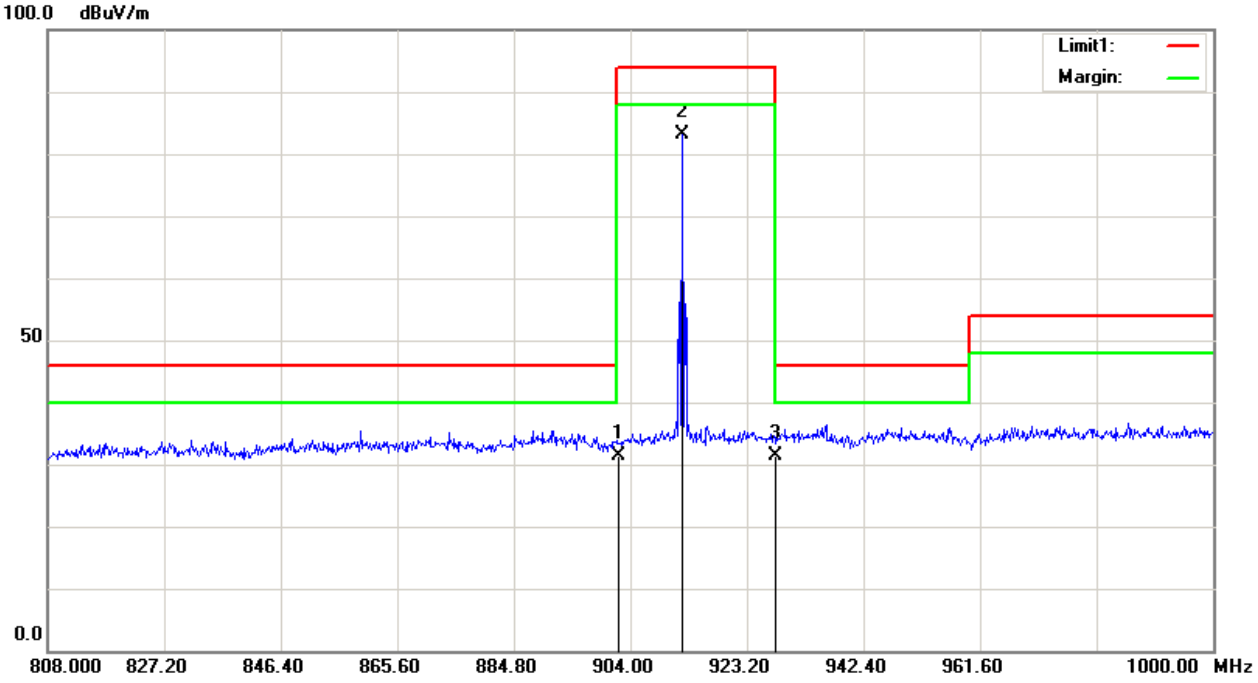
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	902.0000	28.55	2.81	31.36	46.00	-14.64	QP
2	905.1520	82.15	3.45	85.60	94.00	-8.40	peak
3	928.0000	28.32	3.72	32.04	46.00	-13.96	QP

EUT:	Wireless Microphone	Model No.:	SGTXWMTC1
Temperature:	23	Relative Humidity:	54%
Distance:	3m	Test Power:	DC 3V
Polarization:	Horizontal	Test Result:	Pass
Test Time:	2021-8-28	Test By:	
Standard:	(RE)FCC PART 15.249 30M-1G		
Test Mode:	TX		
Note:	905MHz		



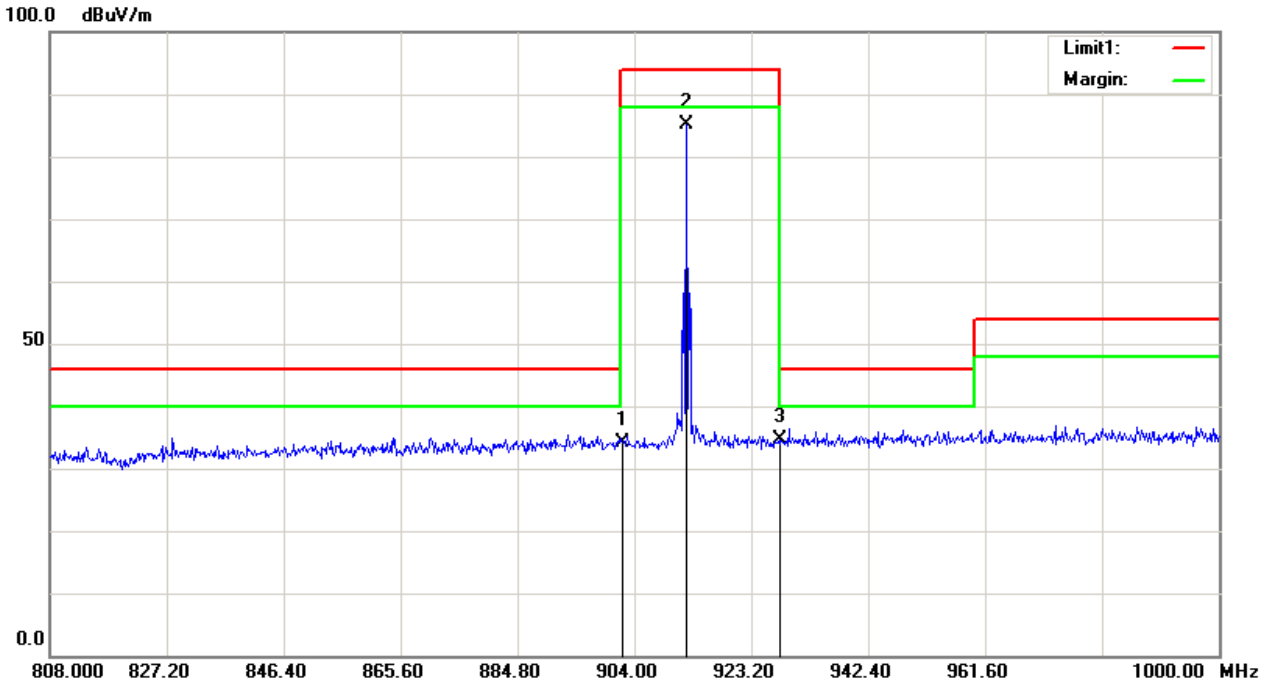
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	902.0000	28.80	3.41	32.21	46.00	-13.79	QP
2	904.9600	81.23	3.45	84.68	94.00	-9.32	peak
3	928.0000	29.21	3.72	32.93	46.00	-13.07	QP

EUT:	Wireless Microphone	Model No.:	SGTXWMTC1
Temperature:	23	Relative Humidity:	54%
Distance:	3m	Test Power:	DC 3V
Polarization:	Vertical	Test Result:	Pass
Test Time:	2021-8-28	Test By:	
Standard:	(RE)FCC PART 15.249 30M-1G		
Test Mode:	TX		
Note:	912.5MHz		



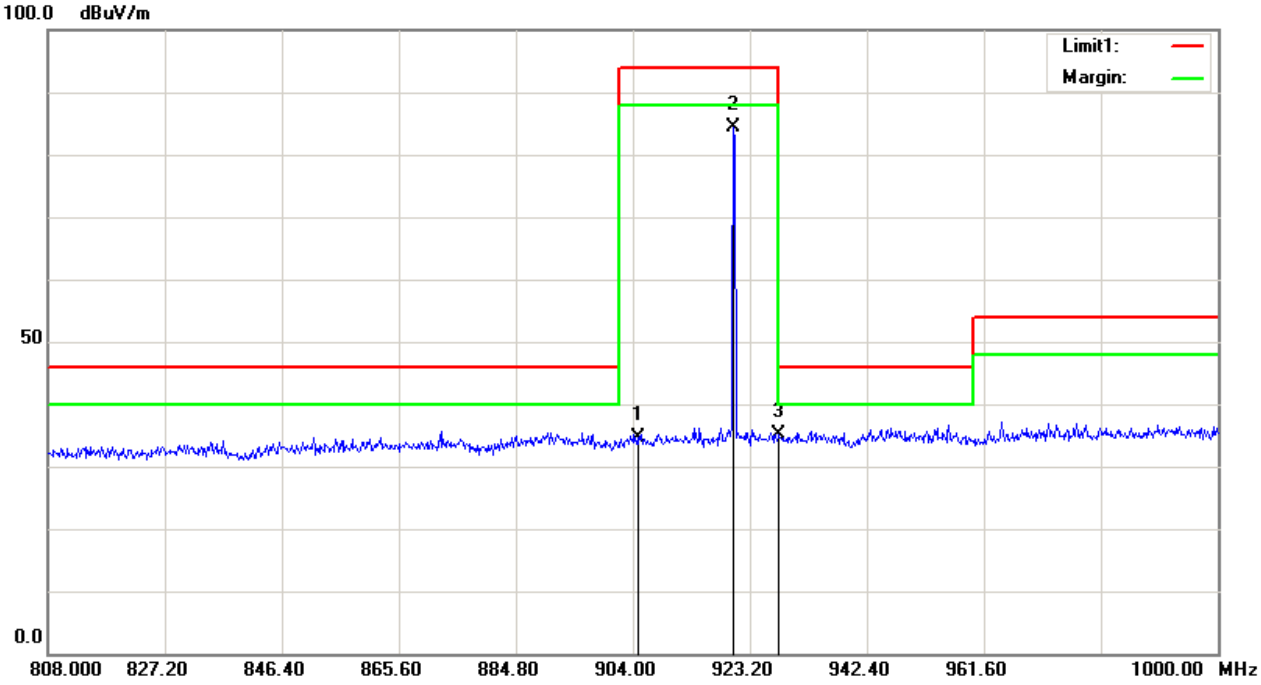
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	902.0000	28.56	2.81	31.37	46.00	-14.63	QP
2	912.6399	79.57	3.53	83.10	94.00	-10.90	peak
3	928.0000	27.76	3.72	31.48	46.00	-14.52	QP

EUT:	Wireless Microphone	Model No.:	SGTXWMTC1
Temperature:	23	Relative Humidity:	54%
Distance:	3m	Test Power:	DC 3V
Polarization:	Horizontal	Test Result:	Pass
Test Time:	2021-8-28	Test By:	
Standard:	(RE)FCC PART 15.249 30M-1G		
Test Mode:	TX		
Note:	912.5MHz		



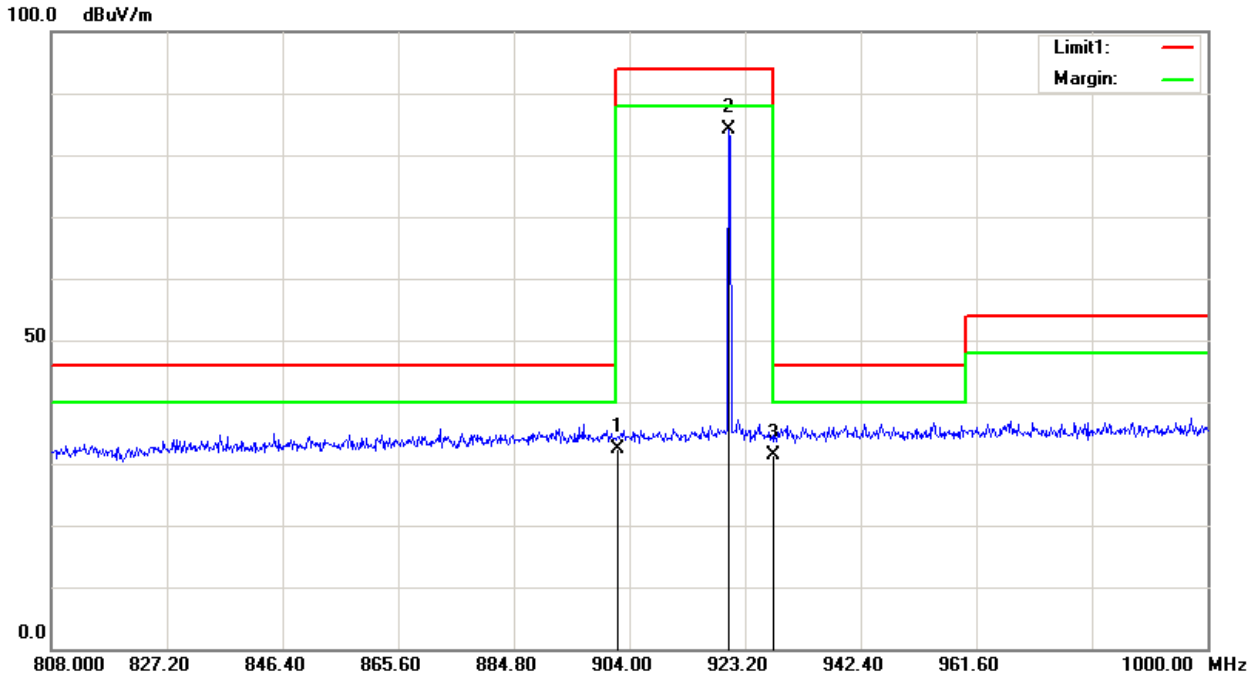
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	902.0000	30.81	3.41	34.22	46.00	-11.78	peak
2	912.6399	81.62	3.54	85.16	94.00	-8.84	peak
3	928.0000	30.92	3.72	34.64	46.00	-11.36	peak

EUT:	Wireless Microphone	Model No.:	SGTXWMTC1
Temperature:	23	Relative Humidity:	54%
Distance:	3m	Test Power:	DC 3V
Polarization:	Vertical	Test Result:	Pass
Test Time:	2021-8-28	Test By:	
Standard:	(RE)FCC PART 15.249 30M-1G		
Test Mode:	TX		
Note:	920.5MHz		



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	905.0000	31.07	3.45	34.52	94.00	-59.48	QP
2	920.5118	80.81	3.63	84.44	94.00	-9.56	peak
3	928.0000	31.29	3.72	35.01	46.00	-10.99	QP

EUT:	Wireless Microphone	Model No.:	SGTXWMTC1
Temperature:	23	Relative Humidity:	54%
Distance:	3m	Test Power:	DC 3V
Polarization:	Horizontal	Test Result:	Pass
Test Time:	2021-8-28	Test By:	
Standard:	(RE)FCC PART 15.249 30M-1G		
Test Mode:	TX		
Note:	920.5MHz		



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	902.0000	28.90	3.41	32.31	46.00	-13.69	QP
2	920.5119	80.48	3.63	84.11	94.00	-9.89	peak
3	928.0000	27.57	3.72	31.29	46.00	-14.71	QP

END OF REPORT