

RADIO TEST REPORT

FCC ID: 2A082-T90PRO

Product : Wireless Audio Transmitter

Trade Mark : N/A

Model Name : T90pro

Family Model : HRTX1

Report No. : N25111100405E

Prepared for

Shenzhen Changyin Electronic Co., Ltd

4/F, Bldg1, Guanfeng Industrial Park, Jiuwei New Village, Xixiang, Bao'an District,
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Prepared by

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TEST RESULT CERTIFICATION

Applicant's name : Shenzhen Changyin Electronic Co., Ltd
Address : 4/F, Bldg1, Guanfeng Industrial Park, Jiuwei New Village, Xixiang,
Bao'an District, Shenzhen, 518126, China

Manufacturer's Name : Shenzhen Changyin Electronic Co., Ltd
Address : 4/F, Bldg1, Guanfeng Industrial Park, Jiuwei New Village, Xixiang,
Bao'an District, Shenzhen, 518126, China

Product description

Product name : Wireless Audio Transmitter

Trademark : N/A

Model and/or type reference : T90pro

Family Model : HRTX1

Standards : FCC Part15.249

Test procedure ANSI C63.10-2020+COR.1-2023

This device described above has been tested by NTEK, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Test Sample Number : S2511110042-1#

Date of Test :

Date (s) of performance of tests : Nov. 11, 2025 ~ Nov. 28, 2025

Date of Issue : Nov. 28, 2025

Test Result : **Pass**

Prepared By : Abel Chen
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(Project Engineer)

Reviewed By : Aaron Cheng
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1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15, Subpart C (15.249)			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	Pass	
15.203	Antenna Requirement	Pass	
15.249 15.209	Radiated Spurious Emission	Pass	
15.249(a)	Fundamental Measurement	Pass	
15.205	Band Edge Emission	Pass	
15.215	20 dBc Bandwidth	Report only	

1.1 TEST FACILITY

Shenzhen NTEK Testing Technology Co., Ltd
 Add. : No. 24 Xinfu East Road, Xiangshan Community, Xinqiao Street, Baoan District,
 Shenzhen, Guangdong, People's Republic of China
 FCC FRN Registration No.:463705; IC Registration No.:9270A-1
 CNAS Registration No.:L5516

1.2 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 %.

No.	Item	Uncertainty
1	Conducted Emission Test	$\pm 1.38\text{dB}$
2	RF power,conducted	$\pm 0.16\text{dB}$
3	Spurious emissions,conducted	$\pm 0.21\text{dB}$
4	All emissions,radiated(<1G)	$\pm 4.68\text{dB}$
5	All emissions,radiated(>1G)	$\pm 4.89\text{dB}$
6	Temperature	$\pm 0.5^{\circ}\text{C}$
7	Humidity	$\pm 2\%$
8	Occupied bandwidth	$\pm 3.7\%$

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Wireless Audio Transmitter	
Trade Mark	N/A	
Model Name	T90pro	
Family Model	HRTX1	
Model Difference	All models have the same circuit and RF module, except for the model name	
Product Description	The EUT is a Wireless Audio Transmitter	
	Operation Frequency:	908.7-926.3MHz
	Modulation Type:	FM
	Antenna Designation:	Extended antenna
	Antenna Gain(Peak)	1.86 dBi
	Based on the application, features, or specification exhibited in User's Manual. More details of EUT technical specification, please refer to the User's Manual.	
Channel List	Please refer to the Note 2.	
Adapter	MODEL: GA-0502000 INPUT: 100-240V~50/60Hz 0.6A OUTPUT: DC 5.0V---2.0A 10.0W	
Battery	DC 7.4V, 2000mAh, 14.8Wh	
Power Rating	DC 7.4V from Battery or DC 5V from Adapter.	
Hardware Version	T90_V2	
Firmware version	N/A	
Software version	T90_V2	

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- 2.

Channel	Frequency(MHz)
01	908.7
02	917
03	926.3

2.2 DESCRIPTION OF TEST MODES

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 above was evaluated respectively.

Pretest Mode	Description
Mode 1	CH01/02/03
Mode 2	Normal link

For Radiated Spurious Emission

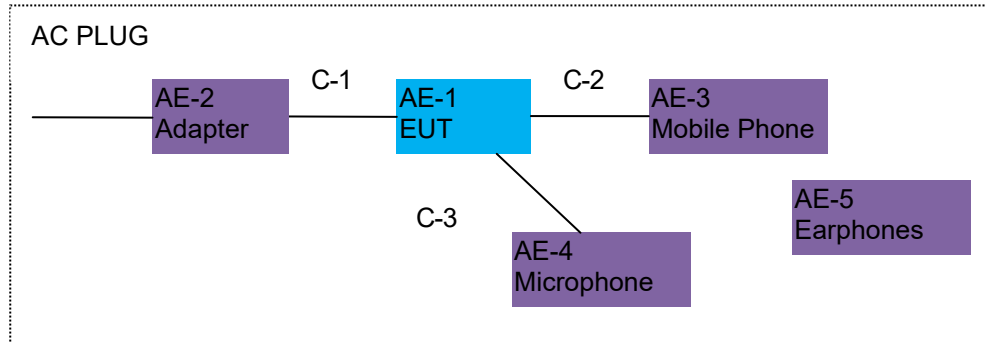
Pretest Mode	Description
Mode 1	CH01/02/03

For Conducted Emission

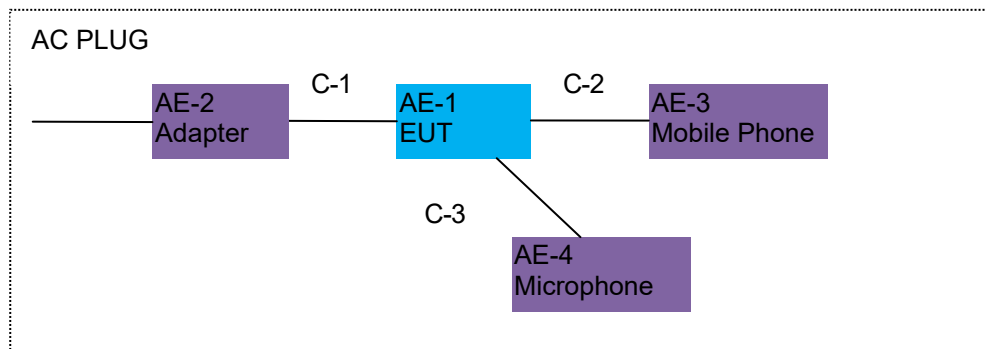
Final Test Mode	Description
Mode 1	CH01/02/03
Mode 2	Normal link

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

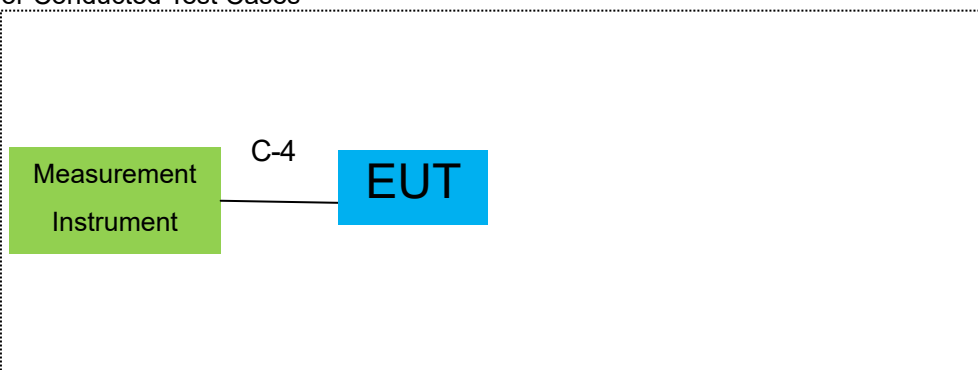
Conducted Emission Mode



Radiated Spurious Emission Test



For Conducted Test Cases



2.4 DESCRIPTION OF SUPPORT UNITS (CONDUCTED MODE)

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Model/Type No.	Series No.	Note
AE-1	Wireless Audio Transmitter	T90pro	N/A	EUT
AE-2	Adapter	GA-0502000	N/A	Peripherals
AE-3	Mobile Phone	N/A	N/A	Peripherals
AE-4	Microphone	N/A	N/A	Peripherals
AE-5	Earphones	N/A	N/A	Peripherals

Item	Cable Type	Shielded Type	Ferrite Core	Length	Note
C-1	DC Cable	NO	NO	1.0m	
C-2	Male RCA to male 1/8" cable*1pc	NO	NO	1.5m	
C-3	Microphone Cable	NO	NO	1.2m	
C-4	RF Cable	YES	NO	0.1m	

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.

2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Spectrum Analyzer	Agilent	E4440A	MY41000130	2025.04.24	2026.04.23	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2025.04.17	2026.04.16	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2025.04.17	2026.04.16	1 year
4	Test Receiver	R&S	ESPI7	101318	2025.04.17	2026.04.16	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2025.04.17	2026.04.16	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2024.04.26	2027.04.25	3 year
7	Horn Antenna	EM	EM-AH-10180	2011071402	2024.05.12	2027.05.11	3 year
8	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	803	2024.05.12	2027.05.11	3 year
9	Amplifier	EMC	EMC051835SE	980246	2025.04.17	2026.04.16	1 year
10	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	055	2024.05.17	2027.05.16	3 year
11	Power Meter	DARE	RPR3006W	15I00041SN084	2025.04.17	2026.04.16	1 year
12	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2023.05.06	2026.05.05	3 year
13	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2023.05.06	2026.05.05	3 year
14	High Test Cable(1G-40GHz)	N/A	R-03	N/A	2023.05.06	2026.05.05	3 year
15	Filter	TRILTHIC	2400MHz	29	2024.04.26	2027.04.25	3 year
16	temporary antenna connector (Note)	NTS	R001	N/A	N/A	N/A	N/A

Note:

We will use the temporary antenna connector (soldered on the PCB board) When conducted test
And this temporary antenna connector is listed within the instrument list

Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2025.04.17	2026.04.16	1 year
2	LISN	R&S	ENV216	101313	2025.04.16	2026.04.15	1 year
3	LISN	SCHWARZBECK	NNLK 8129	8129245	2025.04.16	2026.04.15	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2024.04.26	2027.04.25	3 year
5	Test Cable (9KHz-30MHz)	N/A	C01	N/A	2023.05.06	2026.05.05	3 year
6	Test Cable (9KHz-30MHz)	N/A	C02	N/A	2023.05.06	2026.05.05	3 year
7	Test Cable (9KHz-30MHz)	N/A	C03	N/A	2023.05.06	2026.05.05	3 year

Note: Each piece of equipment is scheduled for calibration once a year except the Test Cable which is scheduled for calibration every 3 years.

Measurement Software

Item	Manufacturer	Software Name	Software Version	Description
1	MWRFTtest	MTS 8310 2.4GHz/5GHz	2.0	RF Conducted Test
2	Farad	EZ-EMC_RE	AIT-03A	RadiatedTest
3	Farad	EZ-EMC_CE	AIT-03A	AC Conducted Test

3. ANTENNA REQUIREMENT

3.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 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.

3.2 EUT ANTENNA

The EUT antenna is Extended Antenna (Gain: 1.86dBi). It comply with the standard requirement.

3.3 CONDUCTED EMISSION MEASUREMENT

3.3.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class B (dBuV)	
	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

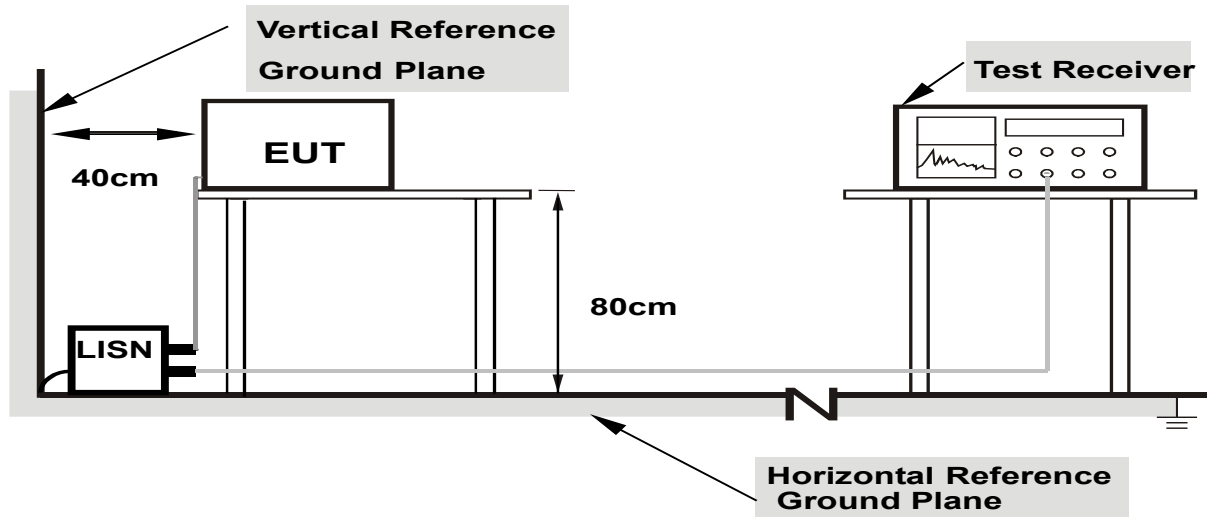
3.3.2 TEST PROCEDURE

- The EUT was placed 0.4 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.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.3.3 DEVIATION FROM TEST STANDARD

No deviation

3.3.4 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

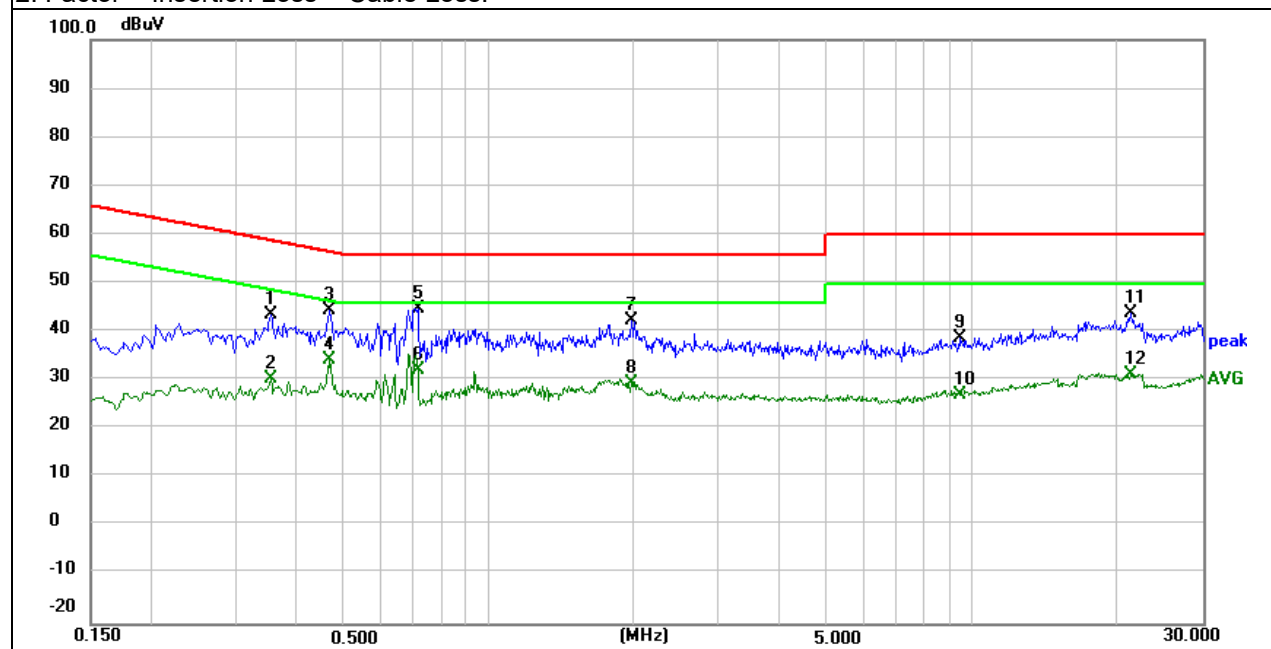
3.2.5 TEST RESULT

EUT :	Wireless Audio Transmitter	Model Name. :	T90pro
Temperature :	25.2 °C	Relative Humidity :	43.3%
Pressure :	1010hPa	Phase :	L
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode :	Mode 1

Frequency (MHz)	Reading Level (dBμV)	Correct Factor (dB)	Measure-ment (dBμV)	Limits (dBμV)	Margin (dB)	Remark
0.3540	24.17	19.55	43.72	58.87	-15.15	QP
0.3540	10.76	19.55	30.31	48.87	-18.56	AVG
0.4700	24.84	19.56	44.40	56.51	-12.11	QP
0.4700	14.85	19.56	34.41	46.51	-12.10	AVG
0.7140	25.21	19.58	44.79	56.00	-11.21	QP
0.7140	12.58	19.58	32.16	46.00	-13.84	AVG
1.9740	22.64	19.65	42.29	56.00	-13.71	QP
1.9740	9.97	19.65	29.62	46.00	-16.38	AVG
9.4340	18.21	20.47	38.68	60.00	-21.32	QP
9.4340	6.80	20.47	27.27	50.00	-22.73	AVG
21.3060	22.19	21.81	44.00	60.00	-16.00	QP
21.3060	9.50	21.81	31.31	50.00	-18.69	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

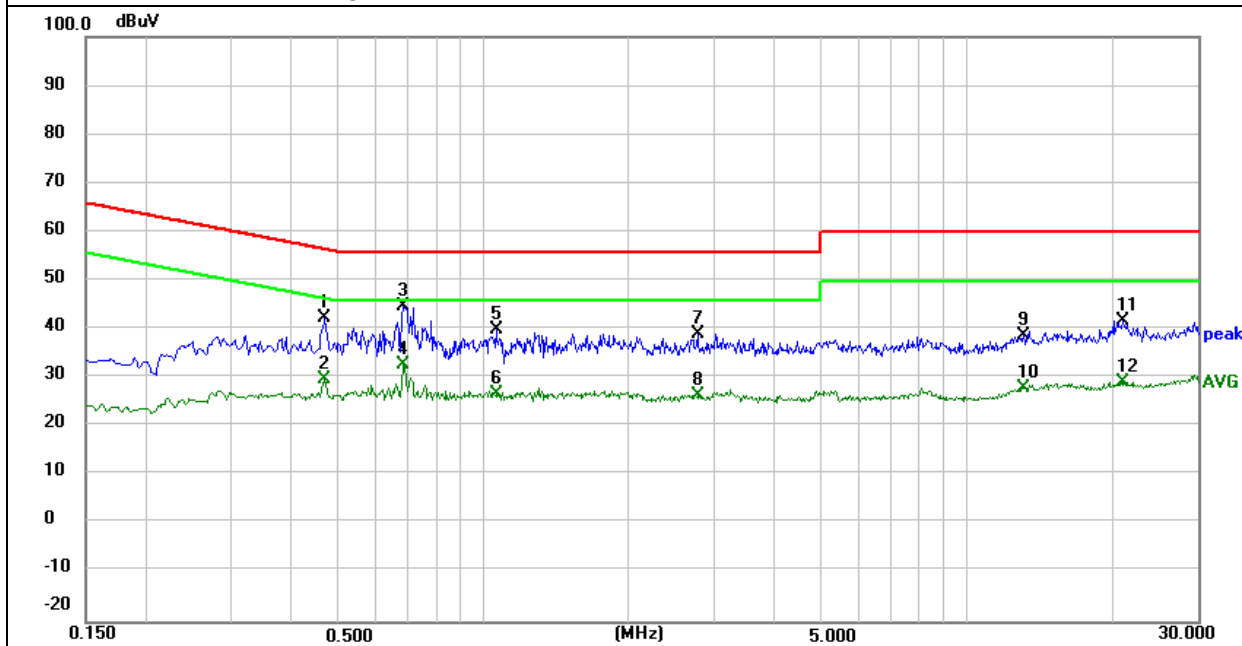


EUT :	Wireless Audio Transmitter	Model Name. :	T90pro
Temperature :	25.2 °C	Relative Humidity :	43.3%
Pressure :	1010hPa	Phase :	N
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode :	Mode 1

Frequency (MHz)	Reading Level (dBμV)	Correct Factor (dB)	Measure-ment (dBμV)	Limits (dBμV)	Margin (dB)	Remark
0.4700	22.78	19.56	42.34	56.51	-14.17	QP
0.4700	10.15	19.56	29.71	46.51	-16.80	AVG
0.6860	25.16	19.62	44.78	56.00	-11.22	QP
0.6860	13.08	19.62	32.70	46.00	-13.30	AVG
1.0620	20.33	19.62	39.95	56.00	-16.05	QP
1.0620	7.16	19.62	26.78	46.00	-19.22	AVG
2.7780	19.32	19.74	39.06	56.00	-16.94	QP
2.7780	6.75	19.74	26.49	46.00	-19.51	AVG
13.0940	30.50	8.45	38.95	60.00	-21.05	QP
13.0940	19.66	8.45	28.11	50.00	-21.89	AVG
21.0660	19.98	21.82	41.80	60.00	-18.20	QP
21.0660	7.36	21.82	29.18	50.00	-20.82	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



3.3.5 RADIATED EMISSION MEASUREMENT

3.3.6 Radiated Emission Limits (FCC 15.209)

Frequencies (MHz)	Field Strength (micorvolts/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
Frequency (MHz)	Limit (dBuV)	
30~88	40	3
88~216	43.5	3
216~960	46	3
960 -10000	54.00	3
*902 - 928	94.00	3

Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission level (dBuV/m)=20log Emission level (uV/m).
- (3) *Note: This is the limit for the fundamental frequency.

LIMITS OF RADIATED EMISSION MEASUREMENT (FCC 15.249)

Frequency of Emission (MHz)	Field Strength of fundamental ((millivolts /meter)	Field Strength of Harmonics (microvolts/meter)
902-928	50	500

Notes:

- (1) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1MHz / 1MHz for Peak

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

3.3.7 TEST PROCEDURE

- The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- The EUT was placed on the top of a rotating table 0.8 m for below 1GHz and 1.5m for above 1GHz the ground at a 3 meter. The table was rotated 360 degrees to determine the position of the highest radiation.
- The height of the equipment or of the substitution antenna shall be 0.8 m for below 1GHz and 1.5m for above 1GHz; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 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.
- If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

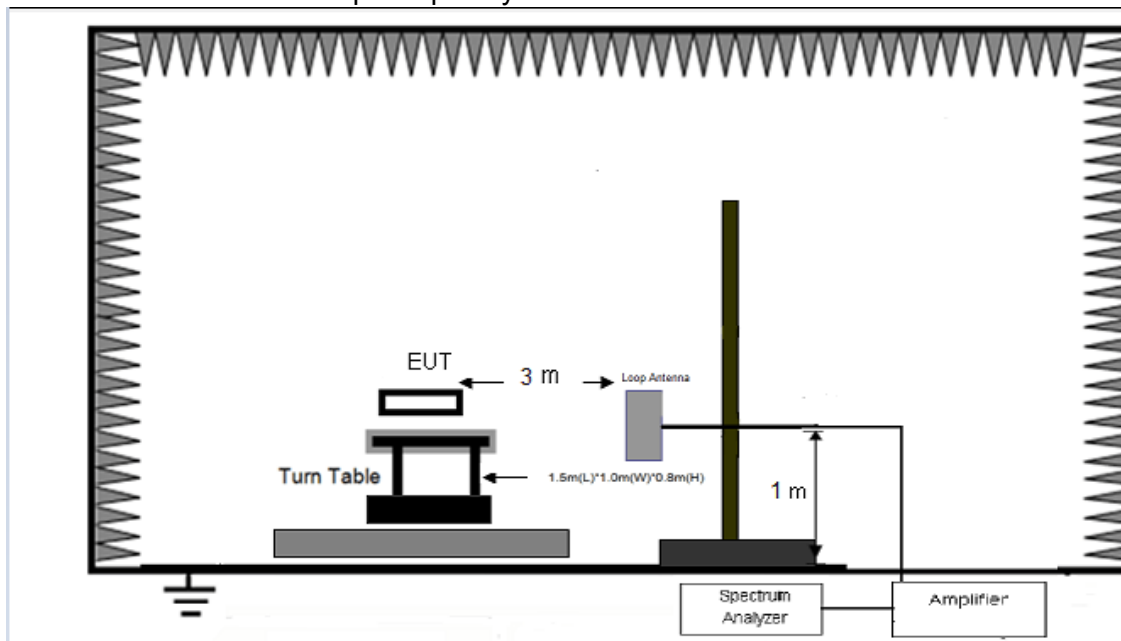
Note:

Both horizontal and vertical antenna polarities were tested
and performed pretest to three orthogonal axis. The worst case emissions were reported

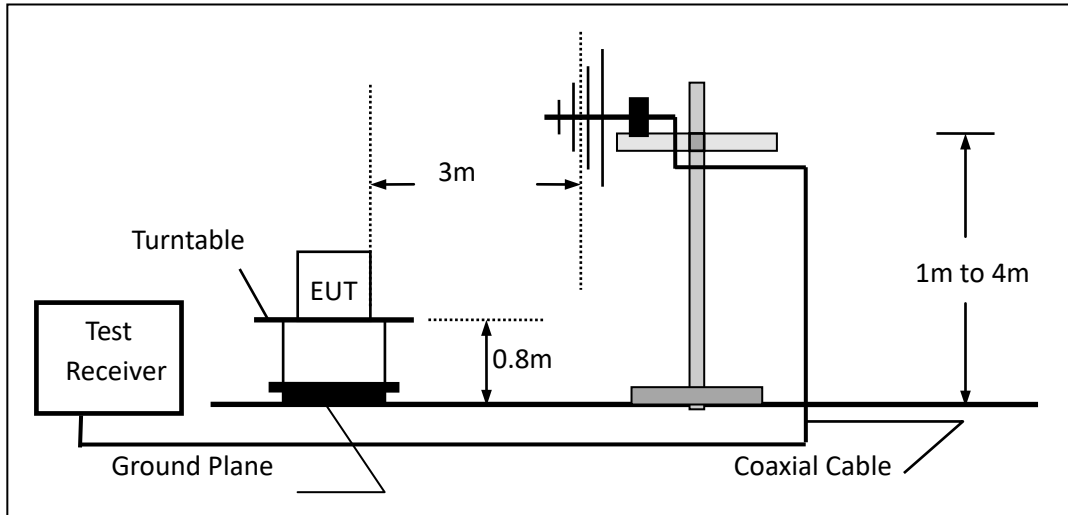
3.3.8 DEVIATION FROM TEST STANDARD

No deviation

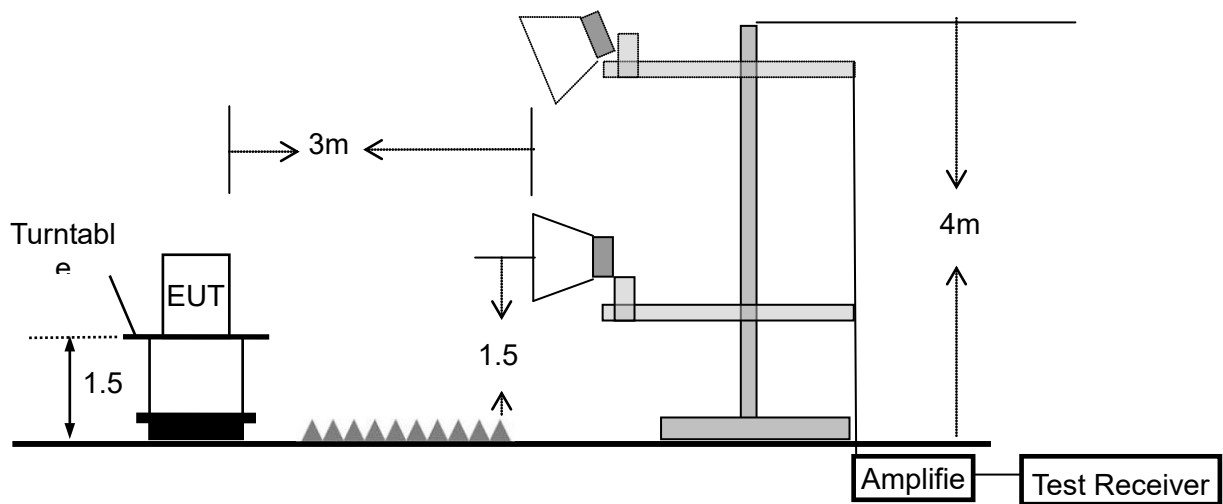
(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz



3.3.9 TEST RESULTS (BELOW 30MHz)

EUT :	Wireless Audio Transmitter	Model Name. :	T90pro
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 5V
Test Mode :	TX	Polarization :	--

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

Note:

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

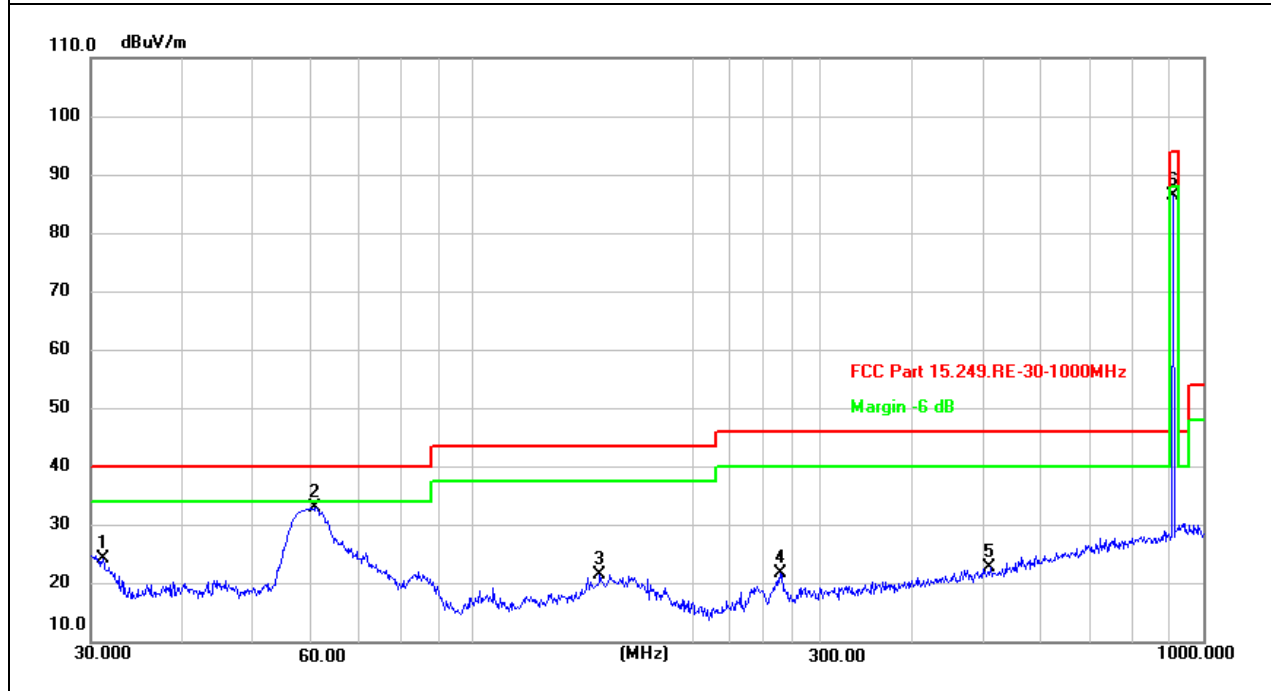
3.3.10 TEST RESULTS (BELOW 1000 MHz)

EUT :	Wireless Audio Transmitter	Model Name :	T90pro
Temperature :	24.4 °C	Relative Humidity :	38.5%
Pressure :	1010 hPa	Test Voltage :	DC 5V
Test Mode :	908.7MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
31.1800	42.06	-17.68	24.38	40.00	-15.62	peak
60.7043	20.20	12.98	33.18	40.00	-6.82	peak
149.4860	6.95	14.66	21.61	43.50	-21.89	peak
263.8190	9.38	12.59	21.97	46.00	-24.03	peak
511.8350	5.37	17.44	22.81	46.00	-23.19	peak
908.7000	62.98	23.43	86.41	94.00	-7.59	peak

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

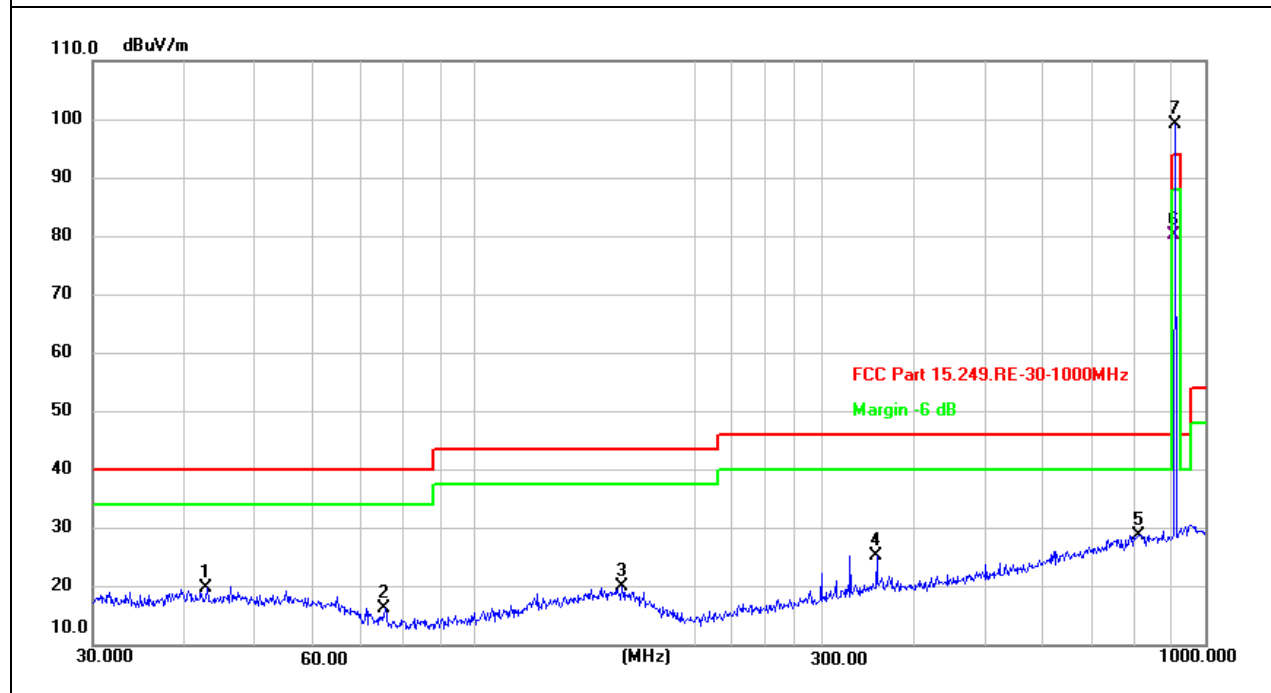


EUT :	Wireless Audio Transmitter	Model Name :	T90pro
Temperature :	24.4 °C	Relative Humidity :	38.5%
Pressure :	1010 hPa	Test Voltage :	DC 5V
Test Mode :	908.7MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
43.0500	5.71	14.10	19.81	40.00	-20.19	peak
75.4460	6.06	10.40	16.46	40.00	-23.54	peak
159.2250	5.33	14.68	20.01	43.50	-23.49	peak
355.4270	10.66	14.79	25.45	46.00	-20.55	peak
813.1110	6.49	22.44	28.93	46.00	-17.07	peak
908.7000	56.81	23.43	80.24	94.00	-13.76	QP
908.7000	75.76	23.43	99.19	114.00	-14.81	peak

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

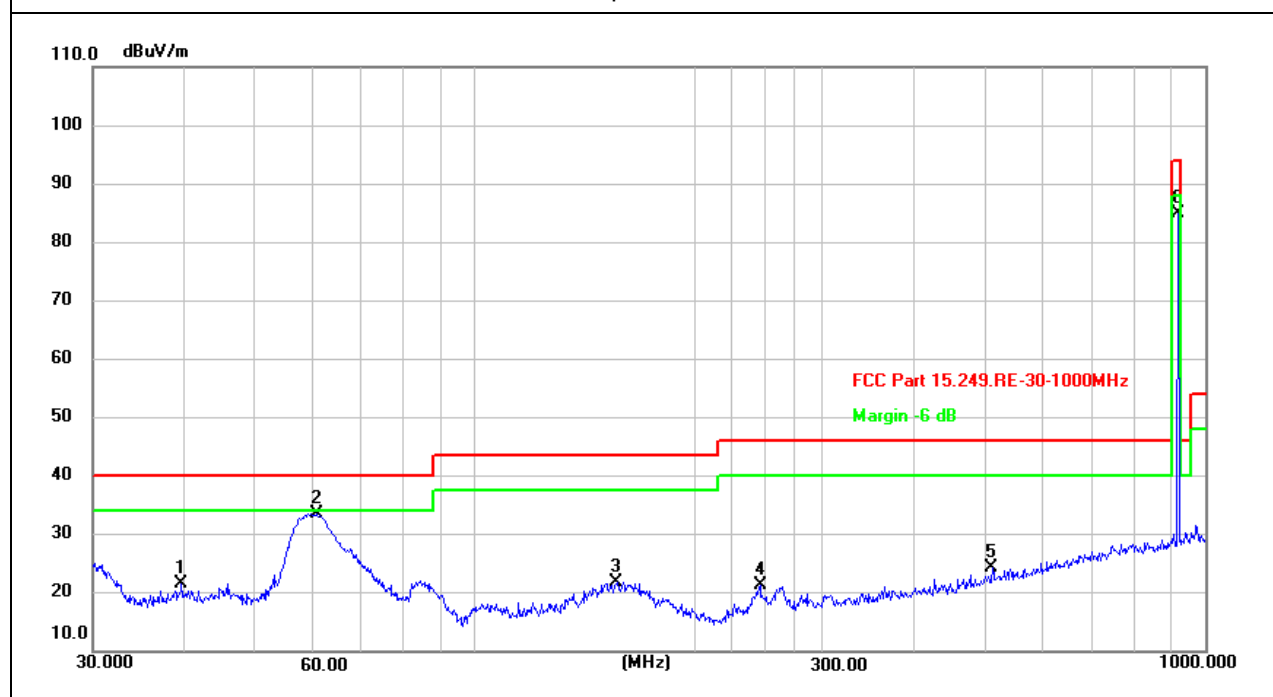


EUT :	Wireless Audio Transmitter	Model Name :	T90pro
Temperature :	24.4 °C	Relative Humidity :	38.5%
Pressure :	1010 hPa	Test Voltage :	DC 5V
Test Mode :	917MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
39.7150	7.21	14.31	21.52	40.00	-18.48	peak
60.7043	20.66	12.98	33.64	40.00	-6.36	peak
157.0070	7.17	14.69	21.86	43.50	-21.64	peak
245.9510	9.16	12.20	21.36	46.00	-24.64	peak
511.8350	7.02	17.44	24.46	46.00	-21.54	peak
917.000	61.40	23.54	84.94	94.00	-9.06	peak

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

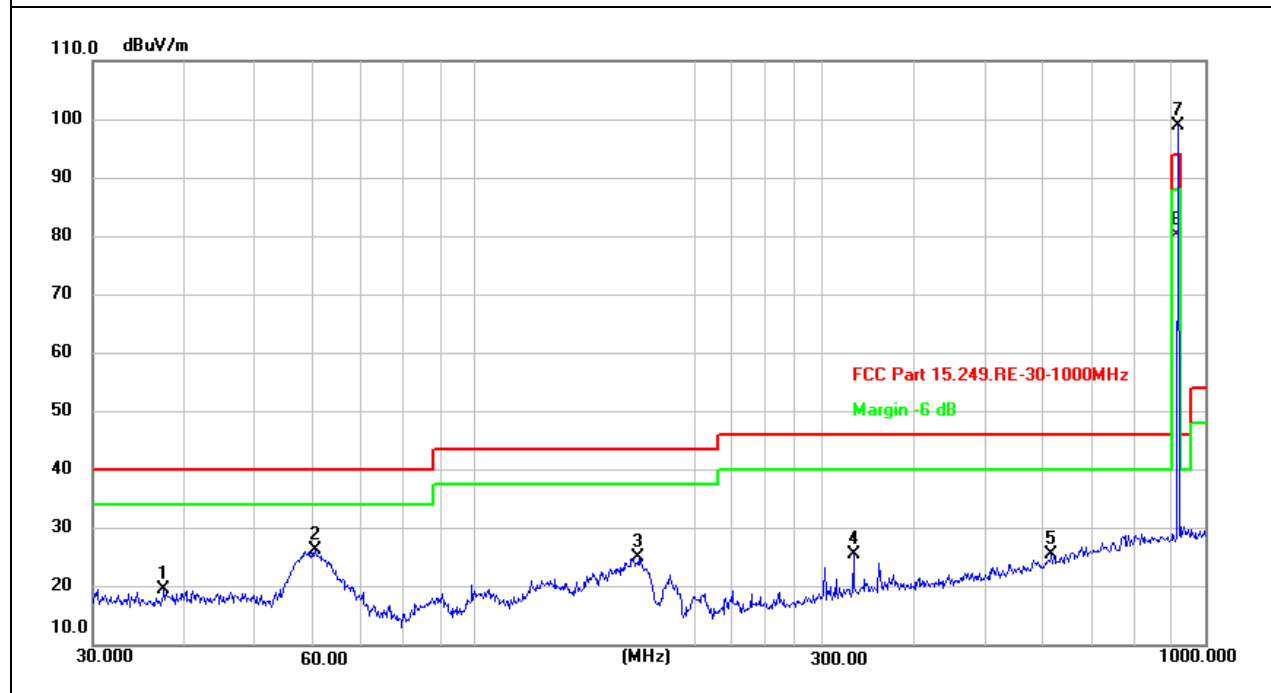


EUT :	Wireless Audio Transmitter	Model Name :	T90pro
Temperature :	24.4 °C	Relative Humidity :	38.5%
Pressure :	1010 hPa	Test Voltage :	DC 5V
Test Mode :	917MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
37.5480	5.52	14.01	19.53	40.00	-20.47	peak
60.4920	13.24	13.03	26.27	40.00	-13.73	peak
167.8240	11.23	13.95	25.18	43.50	-18.32	peak
330.1950	11.32	14.32	25.64	46.00	-20.36	peak
616.3720	6.23	19.43	25.66	46.00	-20.34	peak
917.000	56.56	23.54	80.10	94.00	-13.90	QP
917.000	75.33	23.54	98.87	114.00	-15.13	peak

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

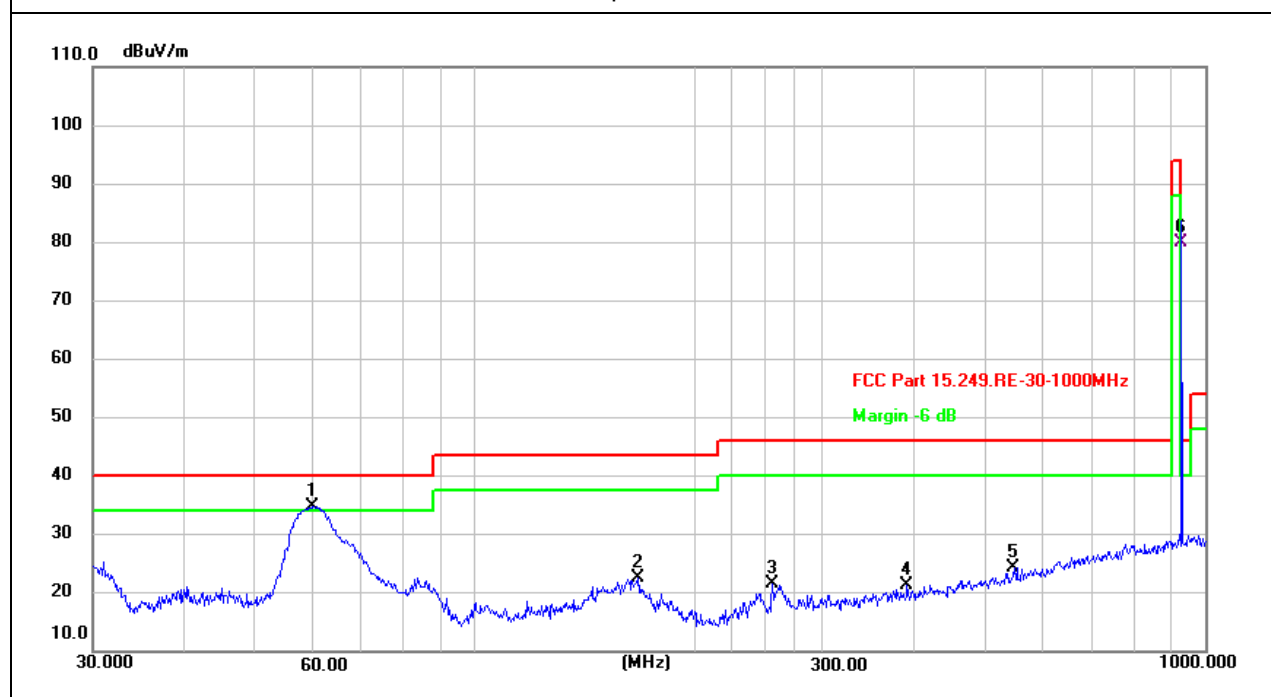


EUT :	Wireless Audio Transmitter	Model Name :	T90pro
Temperature :	24.4 °C	Relative Humidity :	38.5%
Pressure :	1010 hPa	Test Voltage :	DC 5V
Test Mode :	926.3MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
60.0690	21.77	13.11	34.88	40.00	-5.12	QP
167.2370	8.50	14.00	22.50	43.50	-21.00	peak
255.6230	9.15	12.37	21.52	46.00	-24.48	peak
390.7230	5.76	15.48	21.24	46.00	-24.76	peak
549.0190	6.31	18.11	24.42	46.00	-21.58	peak
926.3000	56.32	23.67	79.99	94.00	-14.01	peak

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

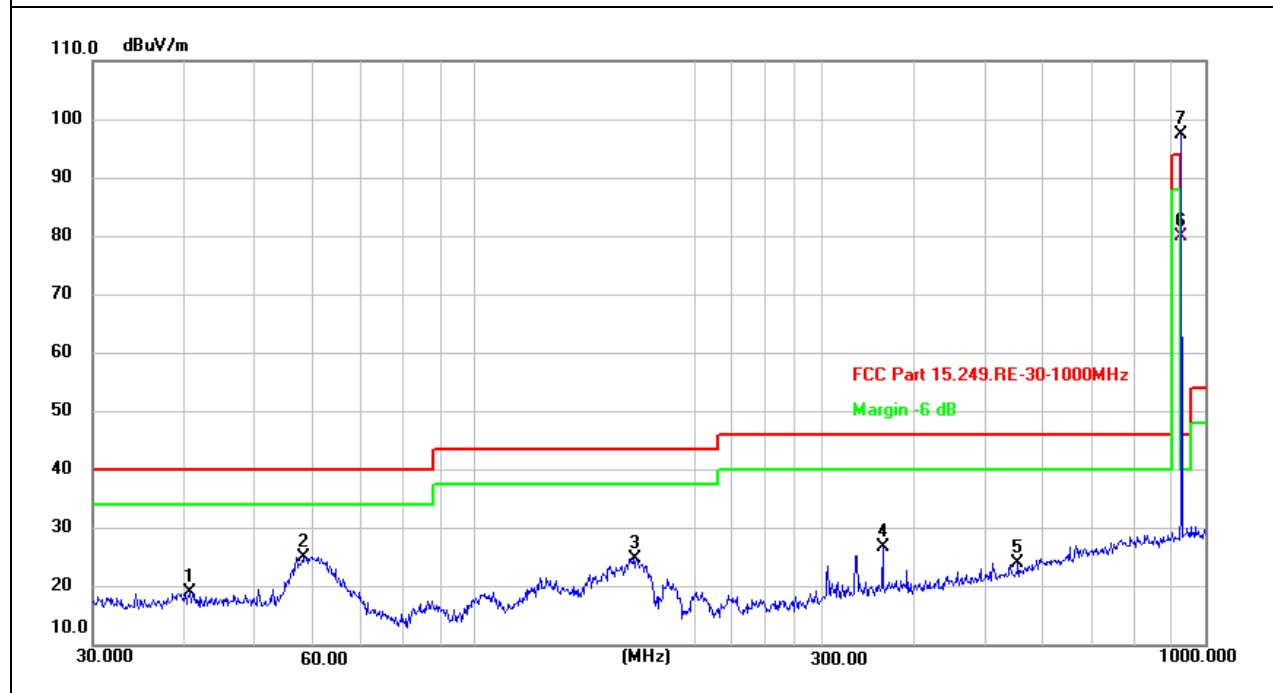


EUT :	Wireless Audio Transmitter	Model Name :	T90pro
Temperature :	24.4 °C	Relative Humidity :	38.5%
Pressure :	1010 hPa	Test Voltage :	DC 5V
Test Mode :	926.3MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
40.7020	4.72	14.29	19.01	40.00	-20.99	peak
58.4070	11.88	13.24	25.12	40.00	-14.88	peak
166.6510	10.72	14.05	24.77	43.50	-18.73	peak
361.7140	11.89	14.92	26.81	46.00	-19.19	peak
554.8250	5.80	18.22	24.02	46.00	-21.98	peak
926.3000	56.29	23.67	79.96	94.00	-14.04	QP
926.3000	73.75	23.67	97.42	114.00	-16.58	peak

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.



3.3.11 TEST RESULTS (ABOVE 1000 MHZ)

EUT :	Wireless Audio Transmitter	Model Name :	T90pro
Temperature :	25 °C	Relative Humidity :	51%
Pressure :	1010 hPa	Test Voltage :	DC 5V
Test Mode :	Mode 1	Polarization :	Horizontal

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
908.7							
H	1817.400	55.46	-15.93	39.53	74	-34.47	peak
H	2726.100	54.03	-11.02	43.01	74	-30.99	peak
H	4543.500	52.42	-7.66	44.76	74	-29.24	peak
V	1817.400	54.90	-15.93	38.97	74	-35.03	peak
V	2726.100	53.71	-11.02	42.69	74	-31.31	peak
V	4543.500	51.19	-7.66	43.53	74	-30.47	peak
917							
H	1834.000	55.53	-15.5	40.03	74	-33.97	peak
H	2751.000	54.00	-10.81	43.19	74	-30.81	peak
H	4585.000	51.08	-7.95	43.13	74	-30.87	peak
V	1834.000	54.97	-15.07	39.90	74	-34.10	peak
V	2751.000	54.62	-10.6	44.02	74	-29.98	peak
V	4585.000	51.31	-7.83	43.48	74	-30.52	peak
926.3							
H	1852.600	58.12	-15.07	43.05	74	-30.95	peak
H	2778.900	54.24	-10.6	43.64	74	-30.36	peak
H	4631.500	52.85	-7.83	45.02	74	-28.98	peak
V	1852.600	57.55	-15.07	42.48	74	-31.52	peak
V	2778.900	53.91	-10.6	43.31	74	-30.69	peak
V	4631.500	52.48	-7.83	44.65	74	-29.35	peak
Note: Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit							

Note:

- 1) EUT Pre-scan X/Y/Z orientation, only worst case is presented in the report(X orientation).
- 2) Since the PEAK test results are below the AV limit, according to 15.31, the amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

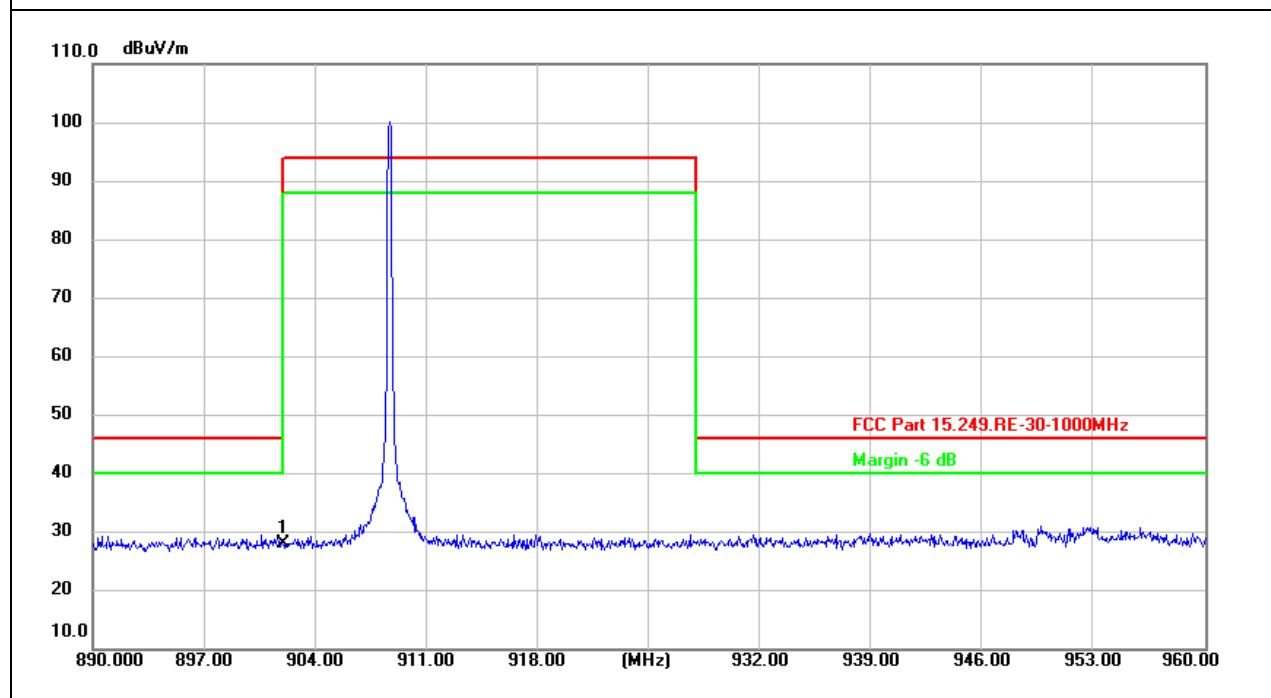
3.3.12 TEST RESULTS (RESTRICTED BANDS REQUIREMENTS)

EUT :	Wireless Audio Transmitter	Model Name :	T90pro
Temperature :	24.4 °C	Relative Humidity :	38.5%
Pressure :	1010 hPa	Test Voltage :	DC 5V
Test Mode :	TX-908.7MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
902.0000	4.82	23.35	28.17	46.00	-17.83	

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

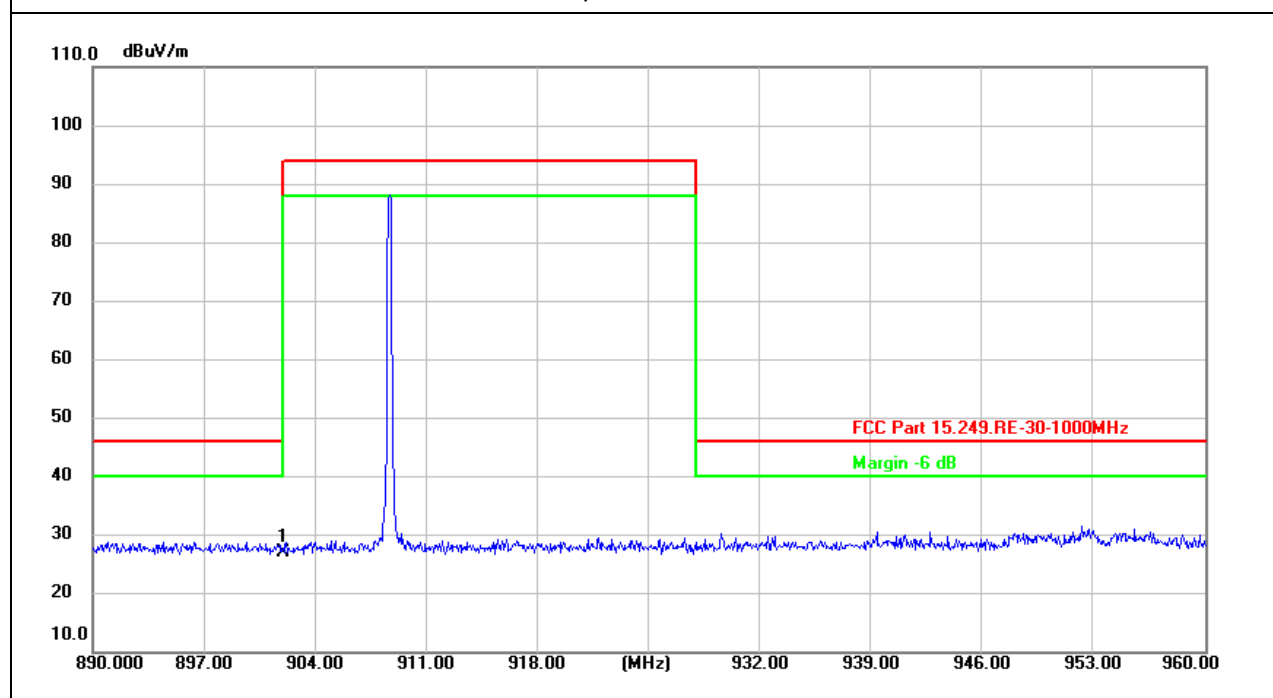


EUT :	Wireless Audio Transmitter	Model Name :	T90pro
Temperature :	24.4 °C	Relative Humidity :	38.5%
Pressure :	1010 hPa	Test Voltage :	DC 5V
Test Mode :	TX-908.7MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
902.0000	3.73	23.35	27.08	46.00	-18.92	peak

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

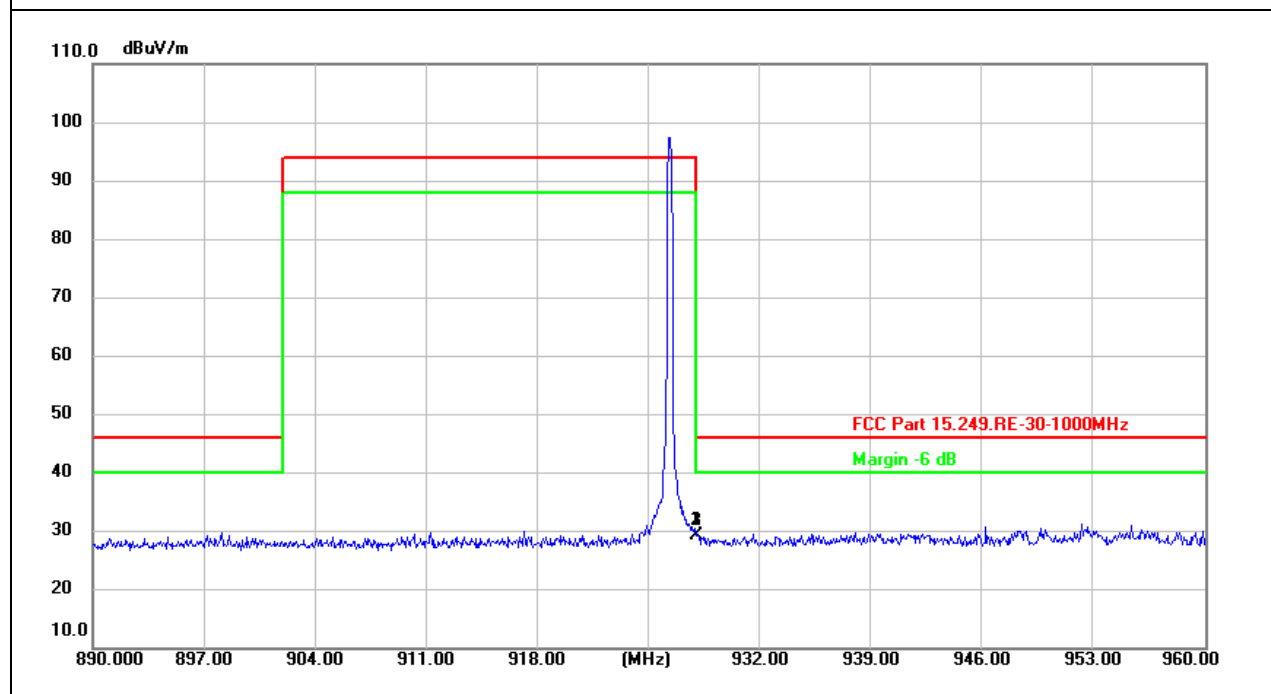


EUT :	Wireless Audio Transmitter	Model Name :	T90pro
Temperature :	24.4 °C	Relative Humidity :	38.5%
Pressure :	1010 hPa	Test Voltage :	DC 5V
Test Mode :	TX-926.3MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
928.0000	5.53	23.68	29.21	46.00	-16.79	peak

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

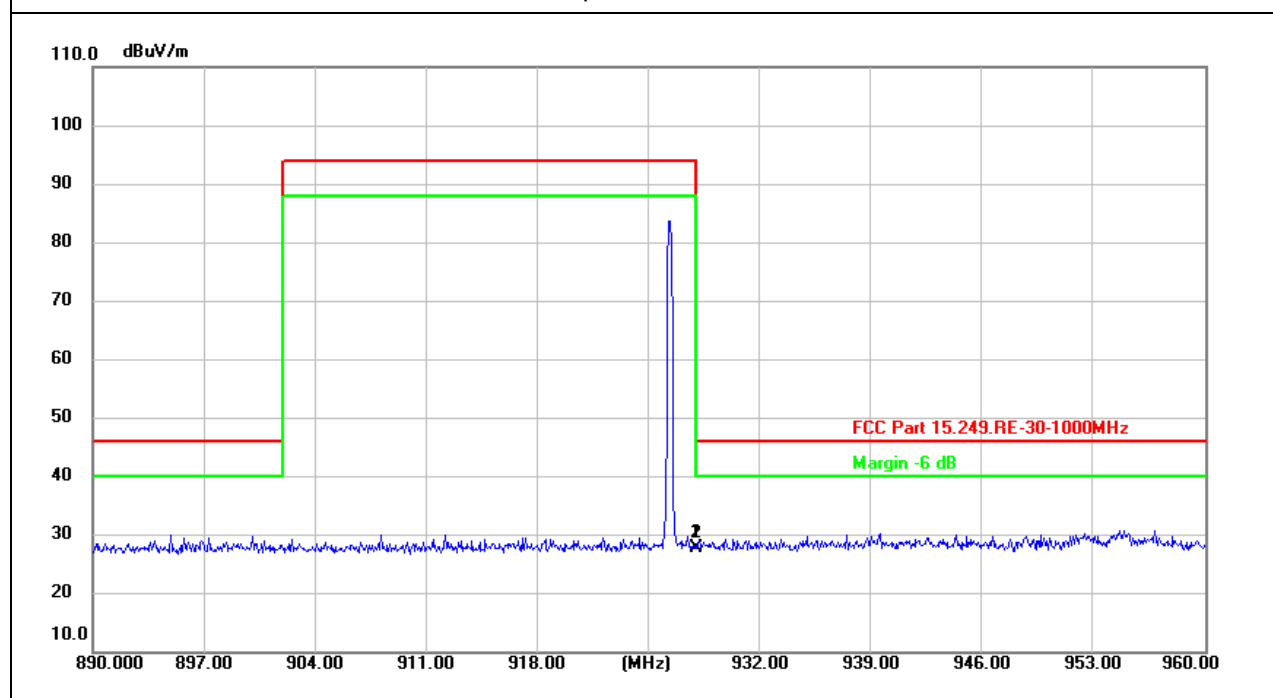


EUT :	Wireless Audio Transmitter	Model Name :	T90pro
Temperature :	24.4 °C	Relative Humidity :	38.5%
Pressure :	1010 hPa	Test Voltage :	DC 5V
Test Mode :	TX-926.3MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
928.0000	4.19	23.68	27.87	46.00	-18.13	peak

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.



4. BANDWIDTH TEST

4.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting : The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the actual occupied / x dB bandwidth and the video bandwidth (VBW) shall not be smaller than three times the RBW value., Sweep time = Auto.

4.2 DEVIATION FROM STANDARD

No deviation.

4.3 TEST SETUP

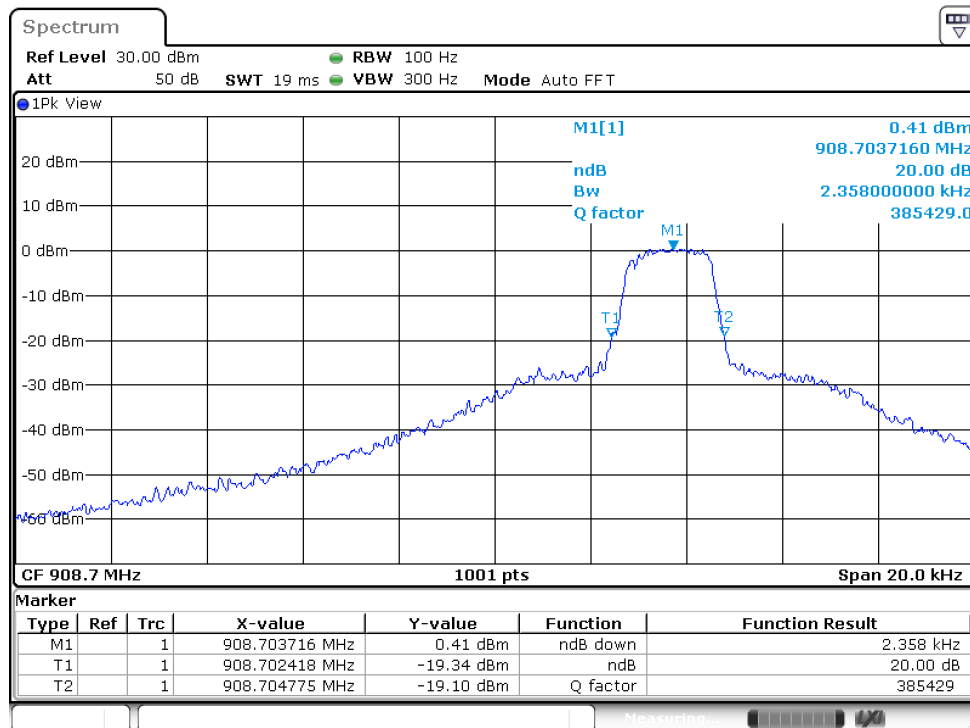


6. TEST RESULTS

EUT :	Wireless Audio Transmitter	Model Name :	T90pro
Temperature :	26 °C	Relative Humidity :	53%
Pressure :	1020 hPa	Test Power :	DC 5V
Test Mode :	Mode 1		

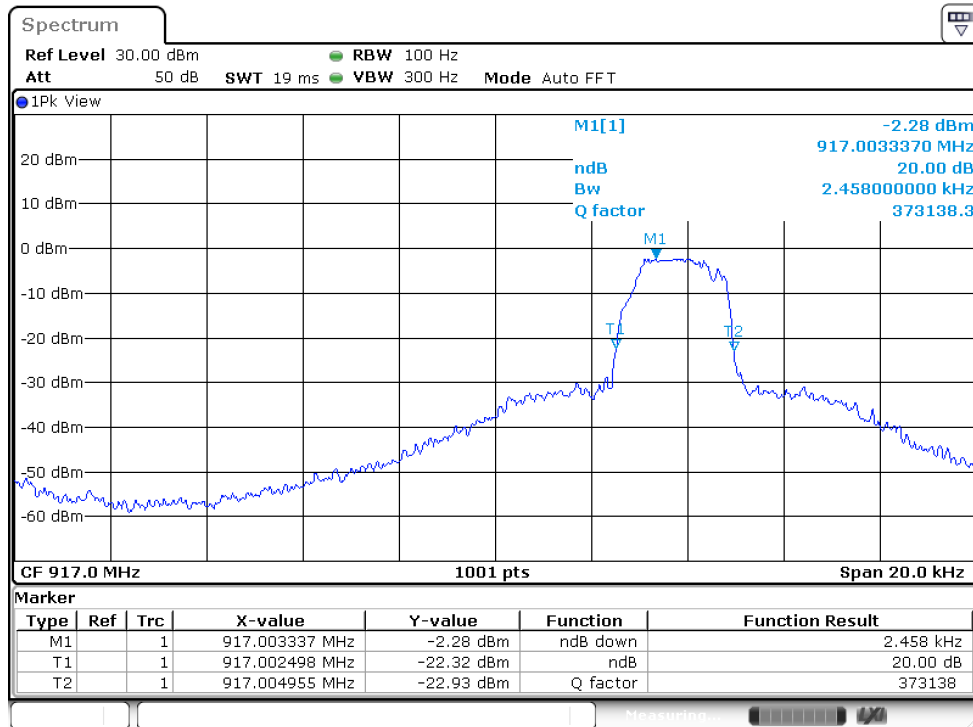
Test Channel	Frequency (MHz)	20 dBc Bandwidth (kHz)
CH01	908.7	2.358

908.7 MHz



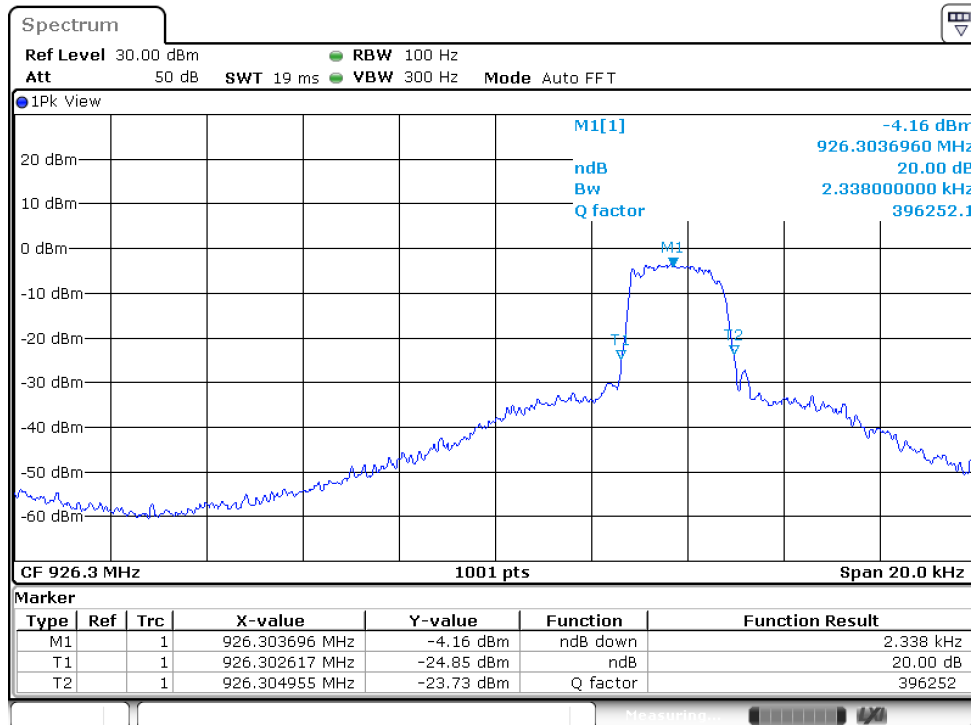
Test Channel	Frequency (MHz)	20 dBc Bandwidth (kHz)
CH02	917	2.458

917 MHz



Test Channel	Frequency (MHz)	20 dBc Bandwidth (MHz)
CH03	926.3	2.338

926.3MHz



END OF REPORT