RADIO TEST REPORT
FCC ID: 2AJ3O-U5

Product： WIRELESS AUDIO FOR VIDEO SYSTEM

Trade Mark：

Model Name： U5

Family Model： U5T, U5R, U5T2

Report No.： S21040603502001

Prepared for

SHENZHEN FZONE TECHNOLOGY CO.,LTD

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Prepared by

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TEST RESULT CERTIFICATION

Applicant's name ..... :	SHENZHEN FZONE TECHNOLOGY CO.,LTD
Address ..... :	2nd floor, Building12, Xicheng Industrial Area, Xixiang Town, Baoan District, Shenzhen, Guangdong,China
Manufacturer's Name..... :	SHENZHEN FZONE TECHNOLOGY CO.,LTD
Address ..... :	2nd floor, Building12, Xicheng Industrial Area, Xixiang Town, Baoan District, Shenzhen, Guangdong,China

Product description

Product name..... :	WIRELESS AUDIO FOR VIDEO SYSTEM
Model and/or type reference :	U5
Family Model..... :	U5T, U5R, U5T2
Rating(s)..... :	DC 3.8V powered by Battery or DC 5V powered by USB port
Standards ..... :	FCC Part15.249
Test procedure	ANSI C63.10-2013

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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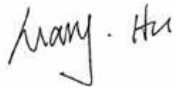
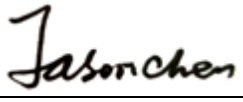
Date of Test ..... :	
Date (s) of performance of tests..... :	06 Apr. 2021 ~ 19 May. 2021
Date of Issue..... :	19 May. 2021
Test Result..... :	**Pass**

Testing Engineer : 

(Mary Hu)

Technical Manager : 

(Jason Chen)

Authorized Signatory : 

(Sam Chen)

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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(2)	Frequency Tolerance	Pass	
15.249(a)	Fundamental Measurement	Pass	
15.205	Band Edge Emission	Pass	
15.249	Occupied Bandwidth	Pass	

1.1 TEST FACILITY

Shenzhen NTEK Testing Technology Co., Ltd
Add. : 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. 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 ± U**，where expended 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	±1.38dB
2	RF power,conducted	±0.16dB
3	Spurious emissions,conducted	±0.21dB
4	All emissions,radiated(<1G)	±4.68dB
5	All emissions,radiated(>1G)	±4.89dB
6	Temperature	±0.5°C
7	Humidity	±2%

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	WIRELESS AUDIO FOR VIDEO SYSTEM
Trade Mark	
Model Name	U5
Family Model	U5T, U5R, U5T2
Model Difference	All models are the same circuit and RF module, except the model No..
Product Description	The EUT is a WIRELESS AUDIO FOR VIDEO SYSTEM Operation Frequency: 2402MHz-2482MHz Modulation Type: FSK Antenna Designation: Metal Antenna Antenna Gain(Peak) 1.21dBi 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.
Rating	DC 3.8V powered by Battery or DC 5V powered by USB port
Adapter	N/A
Battery	DC 3.8V, 830mAh, 3.15Wh
HW Version	V0.40
SW Version	V0.40

Note:

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

2.

Channel No.	Frequency	Frequency	Frequency
1	2402MHz	2480MHz	2482MHz
2	2408MHz	2472MHz	2474MHz
3	2416MHz	2464MHz	2466MHz
4	2434MHz	2440MHz	2442MHz
5	2427MHz	2448MHz	2450MHz
6	2422MHz	2456MHz	2458MHz

3.

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	N/A	N/A	Metal Antenna	N/A	1.21	Antenna

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	TX 2402MHz
Mode 2	TX 2448MHz
Mode 3	TX 2482MHz
Mode 4	Normal link

For Radiated Spurious Emission	
Pretest Mode	Description
Mode 1	TX 2402MHz
Mode 2	TX 2448MHz
Mode 3	TX 2482MHz

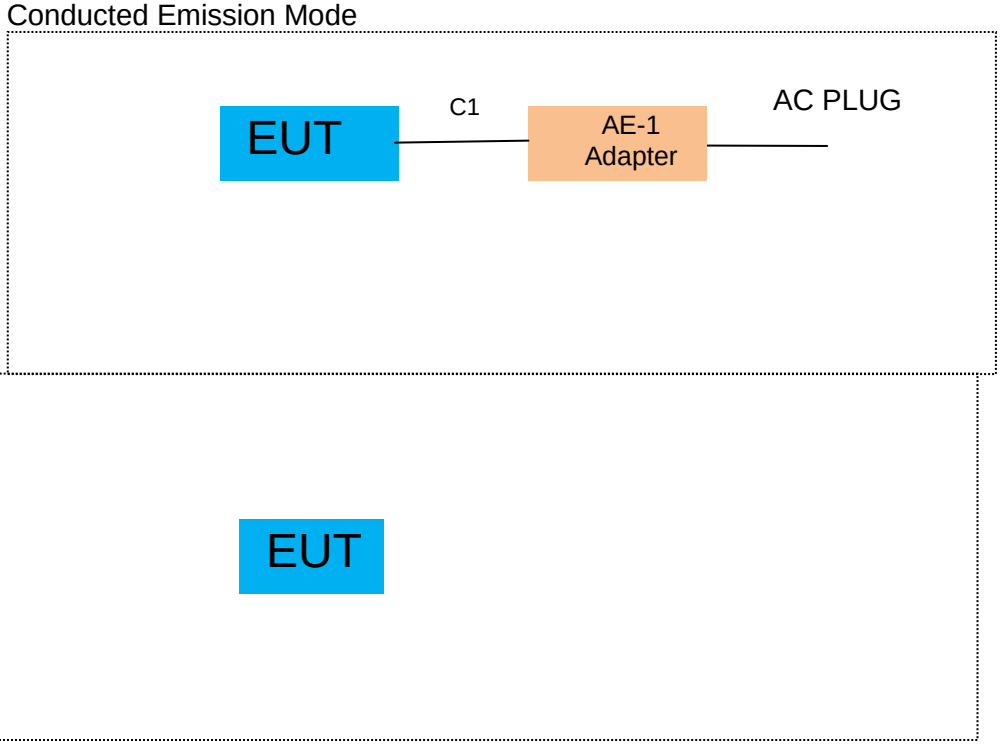
For Conducted Emission	
Final Test Mode	Description
Mode 1	TX 2402MHz
Mode 2	TX 2448MHz
Mode 3	TX 2482MHz
Mode 4	Normal link

Note:

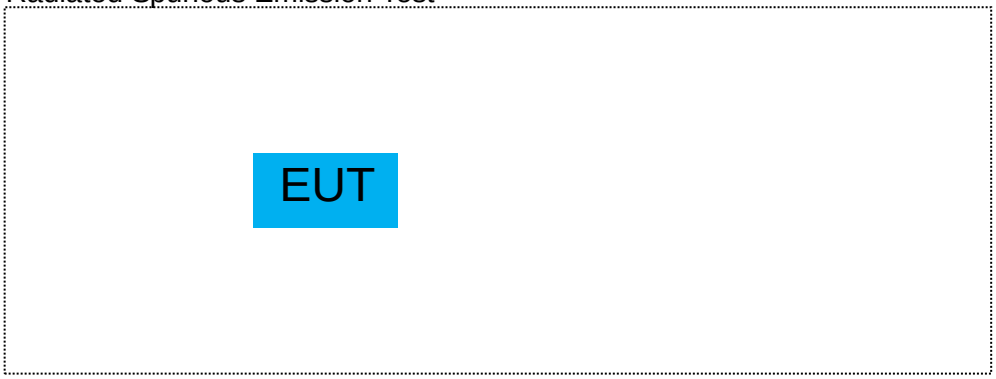
(1) The measurements are performed at the highest, middle, lowest available channels.

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Conducted Emission Mode



Radiated Spurious Emission Test



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	Mfr/Brand	Model/Type No.	Series No.	Note
AE-1	Adapter	N/A	N/A	N/A	Peripherals

Item	Cable Type	Shielded Type	Ferrite Core	Length	Note

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

	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Spectrum Analyzer	Aglient	E4407B	MY45108040	2020.07.13	2021.07.12	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2020.07.13	2021.07.12	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2020.07.13	2021.07.12	1 year
4	Test Receiver	R&S	ESPI7	101318	2020.07.13	2021.07.12	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2020.07.13	2021.07.12	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2020.05.11	2023.05.10	3 year
7	Horn Antenna	EM	EM-AH-10180	2011071402	2020.07.13	2021.07.12	1 year
8	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	803	2020.12.10	2021.12.09	1 year
9	Amplifier	EMC	EMC051835SE	980246	2020.07.13	2021.07.12	1 year
10	Active Loop Antenna	SCHWARZBECK	FMZB 1519 B	055	2020.12.10	2021.12.09	1 year
11	Power Meter	DARE	RPR3006W	15I00041SNO84	2020.07.13	2021.07.12	1 year
12	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2019.08.6	2022.08.05	3 year
13	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2019.08.6	2022.08.05	3 year
14	High Test Cable(1G-40GHz)	N/A	R-03	N/A	2019.06.28	2022.06.27	3 year
15	High Test Cable(1G-40GHz)	N/A	R-04	N/A	2020.07.13	2021.07.12	1 year
16	Filter	TRILTHIC	2400MHz	29	2020.07.13	2021.07.12	1 year
17	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	2020.07.13	2021.07.12	1 year
2	LISN	R&S	ENV216	101313	2020.07.13	2021.07.12	1 year
3	LISN	SCHWARZBECK	NNLK 8129	8129245	2020.07.13	2021.07.12	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2020.05.11	2023.05.10	3 year
5	Test Cable (9KHz-30MHz)	N/A	C01	N/A	2020.05.11	2023.05.10	3 year
6	Test Cable (9KHz-30MHz)	N/A	C02	N/A	2020.05.11	2023.05.10	3 year
7	Test Cable (9KHz-30MHz)	N/A	C03	N/A	2020.05.11	2023.05.10	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.

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 permanent attached Metal antenna(Gain:1.21dBi). 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)	Conducted Emission Limit	
	Quasi-peak	Average
0.15-0.5	66-56*	56-46*
0.5-5.0	56	46
5.0-30.0	60	50

Note: 1. *Decreases with the logarithm of the frequency
2. The lower limit shall apply at the transition frequencies
3. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

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

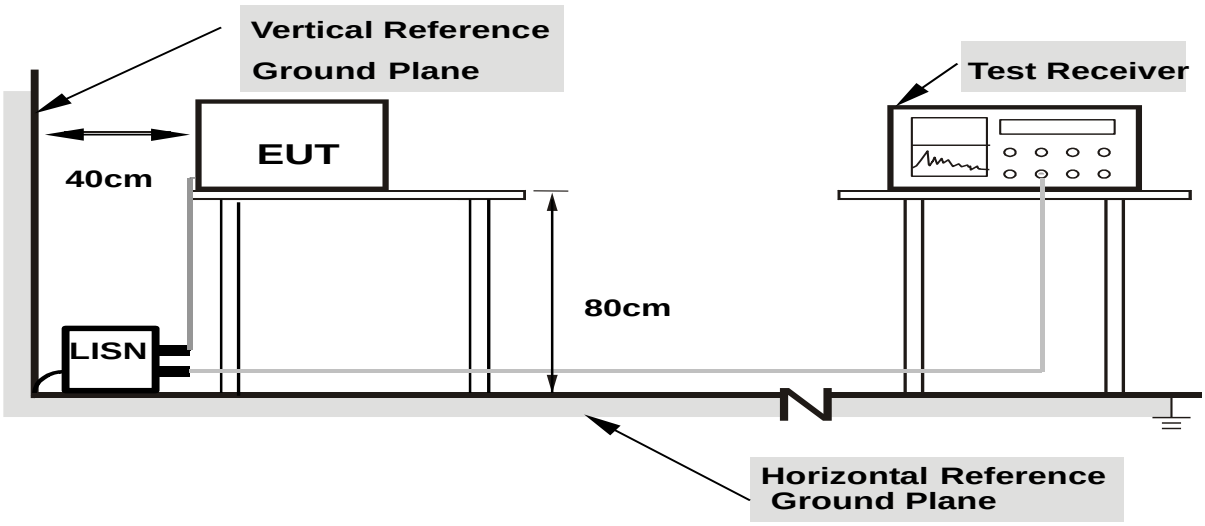
3.3.2 TEST PROCEDURE

a. 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.
b. 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.
c. 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.
d. LISN at least 80 cm from nearest part of EUT chassis.
e. For the actual test configuration, please refer to the related Item –EUT Test Photos.
Margin=Measure-ment-Limits, Measure-ment=Reading level+Correct Factor

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

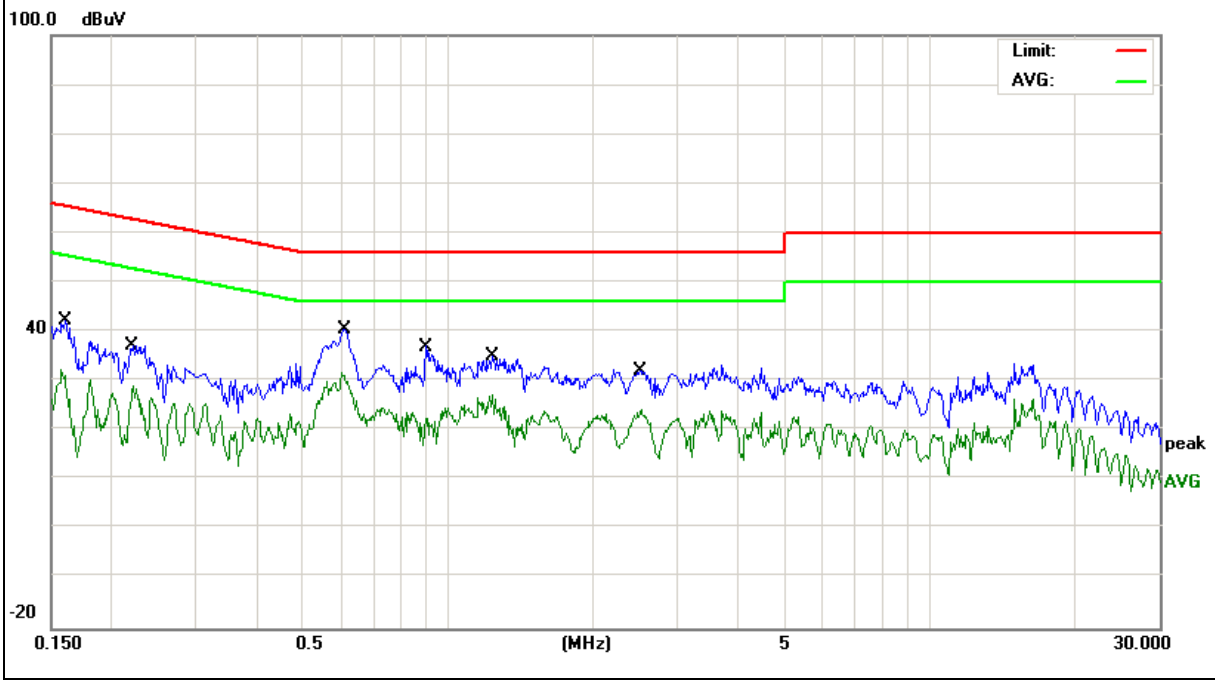
3.2.5 TEST RESULT

EUT：	WIRELESS AUDIO FOR VIDEO SYSTEM	Model Name：	U5
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 5V from Adapter AC 120V/60Hz	Test Mode：	Mode 4

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1597	32.84	9.56	42.40	65.47	-23.07	QP
0.1597	19.75	9.56	29.31	55.47	-26.16	AVG
0.2220	27.75	9.55	37.30	62.74	-25.44	QP
0.2220	19.41	9.55	28.96	52.74	-23.78	AVG
0.6097	31.03	9.55	40.58	56.00	-15.42	QP
0.6097	22.16	9.55	31.71	46.00	-14.29	AVG
0.9020	27.44	9.56	37.00	56.00	-19.00	QP
0.9020	14.39	9.56	23.95	46.00	-22.05	AVG
1.2379	25.44	9.56	35.00	56.00	-21.00	QP
1.2379	17.80	9.56	27.36	46.00	-18.64	AVG
2.5099	22.52	9.58	32.10	56.00	-23.90	QP
2.5099	14.54	9.58	24.12	46.00	-21.88	AVG

Remark:

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

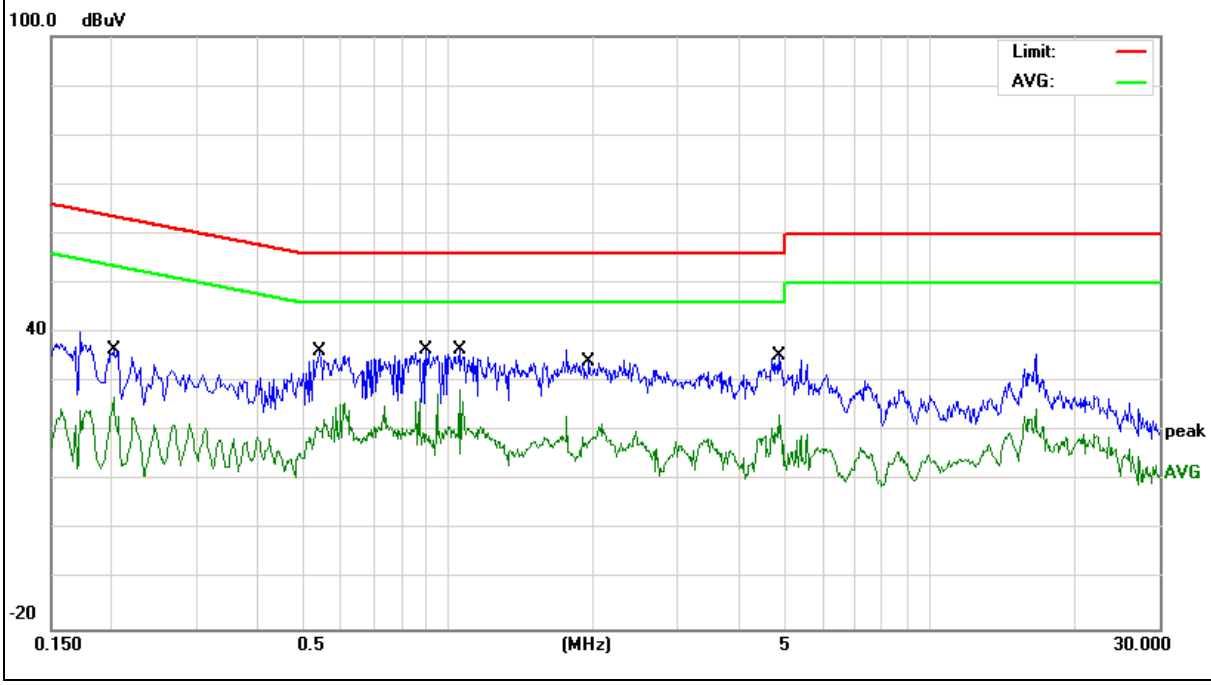


EUT：	WIRELESS AUDIO FOR VIDEO SYSTEM	Model Name ：	U5
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 5V from Adapter AC 120V/60Hz	Test Mode：	Mode 4

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.2020	27.06	9.54	36.60	63.52	-26.92	QP
0.2020	17.30	9.54	26.84	53.52	-26.68	AVG
0.5420	26.60	9.54	36.14	56.00	-19.86	QP
0.5420	15.17	9.54	24.71	46.00	-21.29	AVG
0.9020	27.08	9.55	36.63	56.00	-19.37	QP
0.9020	17.90	9.55	27.45	46.00	-18.55	AVG
1.0580	27.05	9.55	36.60	56.00	-19.40	QP
1.0580	18.92	9.55	28.47	46.00	-17.53	AVG
1.9617	24.45	9.57	34.02	56.00	-21.98	QP
1.9617	12.01	9.57	21.58	46.00	-24.42	AVG
4.8578	25.79	9.61	35.40	56.00	-20.60	QP
4.8578	13.66	9.61	23.27	46.00	-22.73	AVG

Remark:

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



3.4 RADIATED EMISSION MEASUREMENT

3.4.1 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)
2400-2483.5	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

3.4.2 TEST PROCEDURE

a. 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.
b. 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.
c. 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.
d. 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.
e. 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.
f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

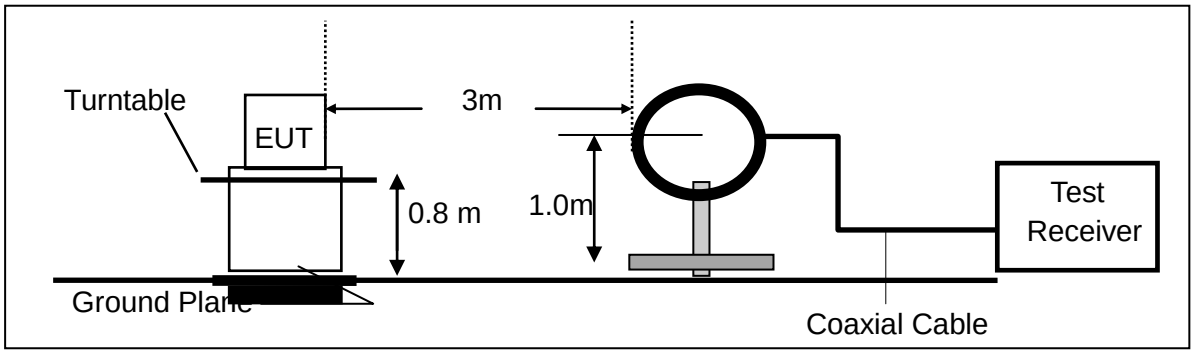
Both horizontal and vertical antenna polarities were tested
and performed pretest to three orthogonal axis. The worst case emissions were reported

3.4.3 DEVIATION FROM TEST STANDARD

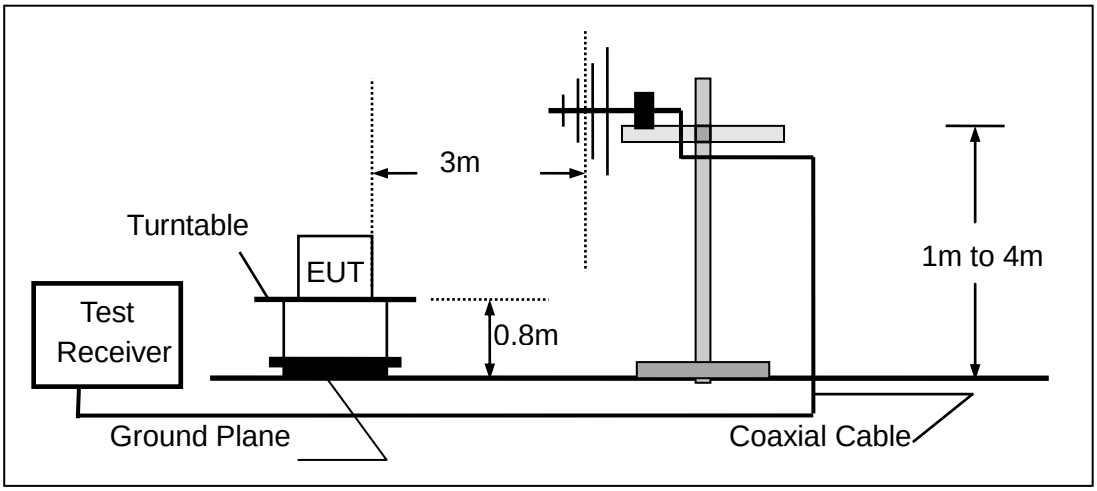
No deviation

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

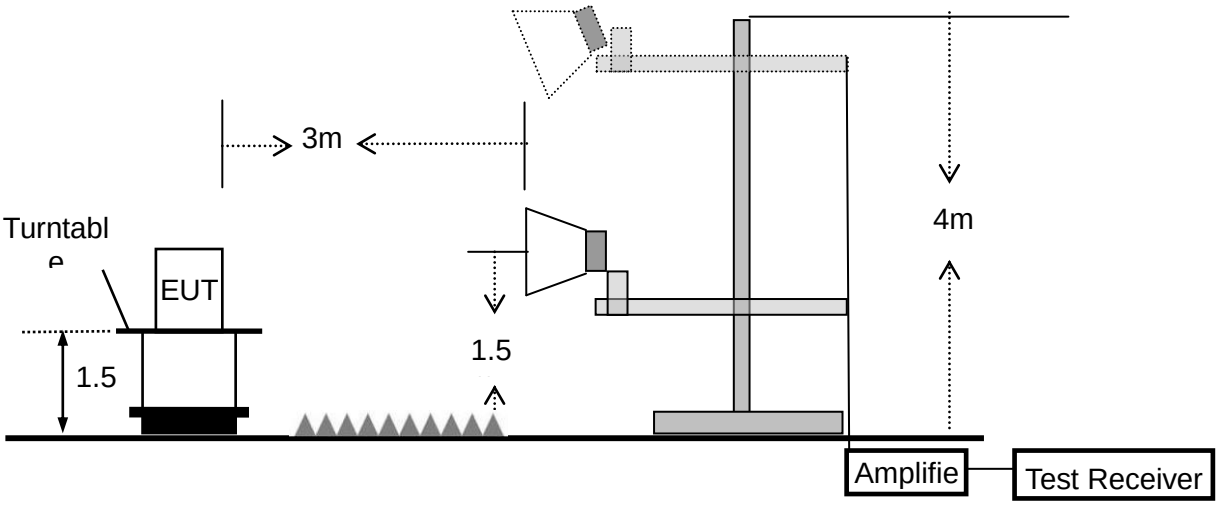
(a)



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



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



3.4.4 TEST RESULTS (BELOW 30MHz)

EUT：	WIRELESS AUDIO FOR VIDEO SYSTEM	Model Name. ：	U5
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 3.8V
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.

Remark:1. Emission level in dBuV/m=20 log (uV/m)

2. Measurement was performed at an antenna to the closed point of EUT distance of meters.

3. For Frequency 9kHz~30MHz:

Distance extrapolation factor =40log(Specific distance/ test distance)(dB);

Limit line=Specific limits(dBuV) + distance extrapolation factor.

For Frequency above 30MHz:

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

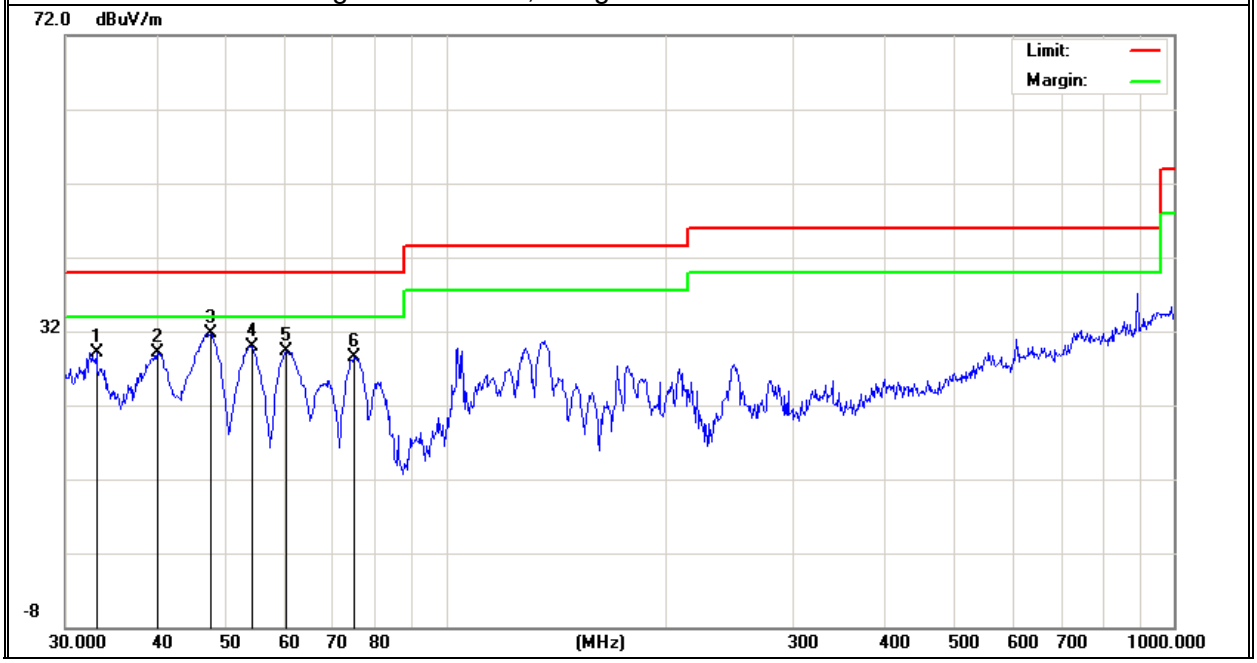
Limit line=Specific limits(dBuV) + distance extrapolation factor.

3.4.5 TEST RESULTS (BELOW 1000 MHz)

EUT：	WIRELESS AUDIO FOR VIDEO SYSTEM	Model Name ：	U5
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.8V
Test Mode ：	Model 4	Polarization：	Vertical

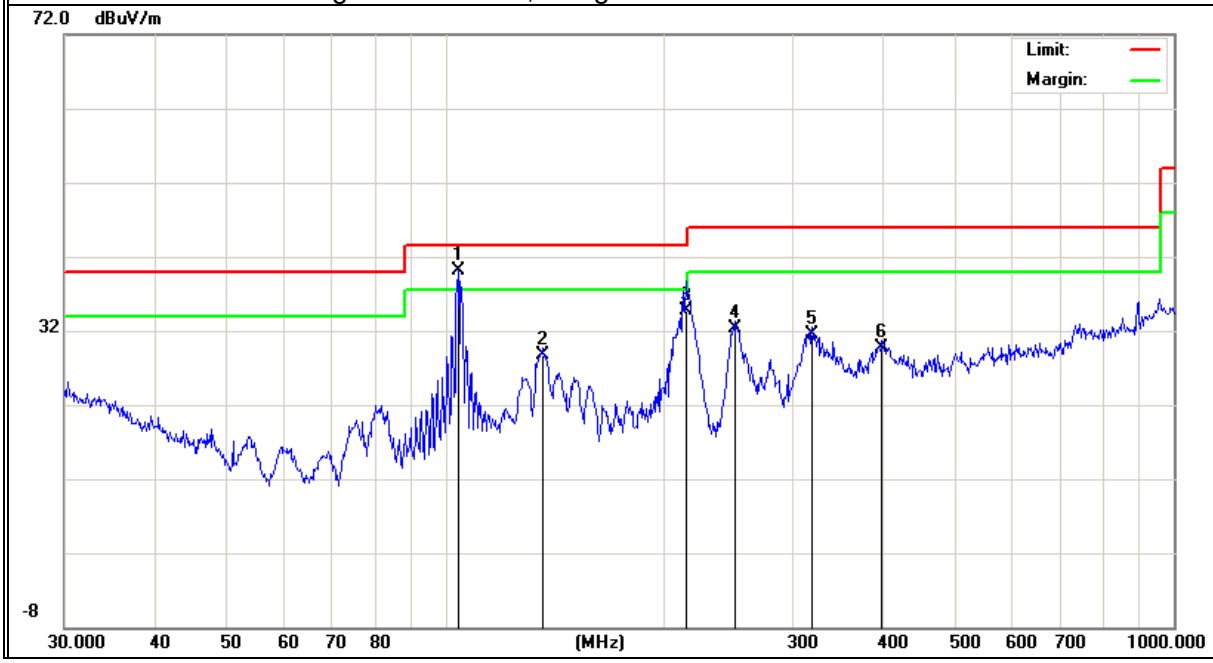
Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
V	33.0949	11.62	17.53	29.15	40.00	-10.85	QP
V	40.1347	15.10	13.96	29.06	40.00	-10.94	QP
V	47.4917	20.88	10.81	31.69	40.00	-8.31	QP
V	54.0711	22.86	7.14	30.00	40.00	-10.00	QP
V	60.2800	23.24	5.97	29.21	40.00	-10.79	QP
V	74.9191	21.18	7.25	28.43	40.00	-11.57	QP

Remark:
Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit



Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	104.1701	29.11	11.09	40.20	43.50	-3.30	QP
H	135.9822	16.16	12.48	28.64	43.50	-14.86	QP
H	213.7634	24.94	9.86	34.80	43.50	-8.70	QP
H	250.3010	18.73	13.48	32.21	46.00	-13.79	QP
H	318.8170	16.31	15.12	31.43	46.00	-14.57	QP
H	397.6333	11.84	17.77	29.61	46.00	-16.39	QP

Remark:
Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit



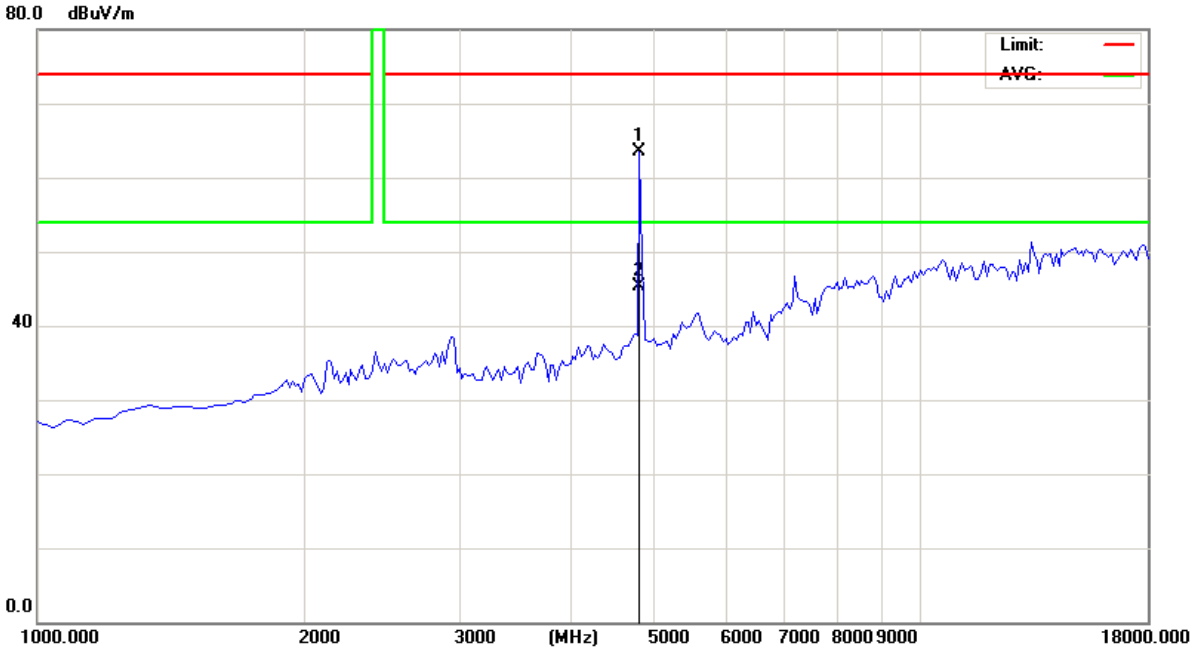
3.4.6 TEST RESULTS (ABOVE 1000 MHZ)

Note: For above 18GHz, the amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

EUT：	WIRELESS AUDIO FOR VIDEO SYSTEM	Model Name ：	U5
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.8V
Test Mode ：	TX 2402MHz	Polarization：	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4804.000	57.36	6.20	63.56	74.00	-10.44	peak
4804.000	39.06	6.20	45.26	54.00	-8.74	AVG

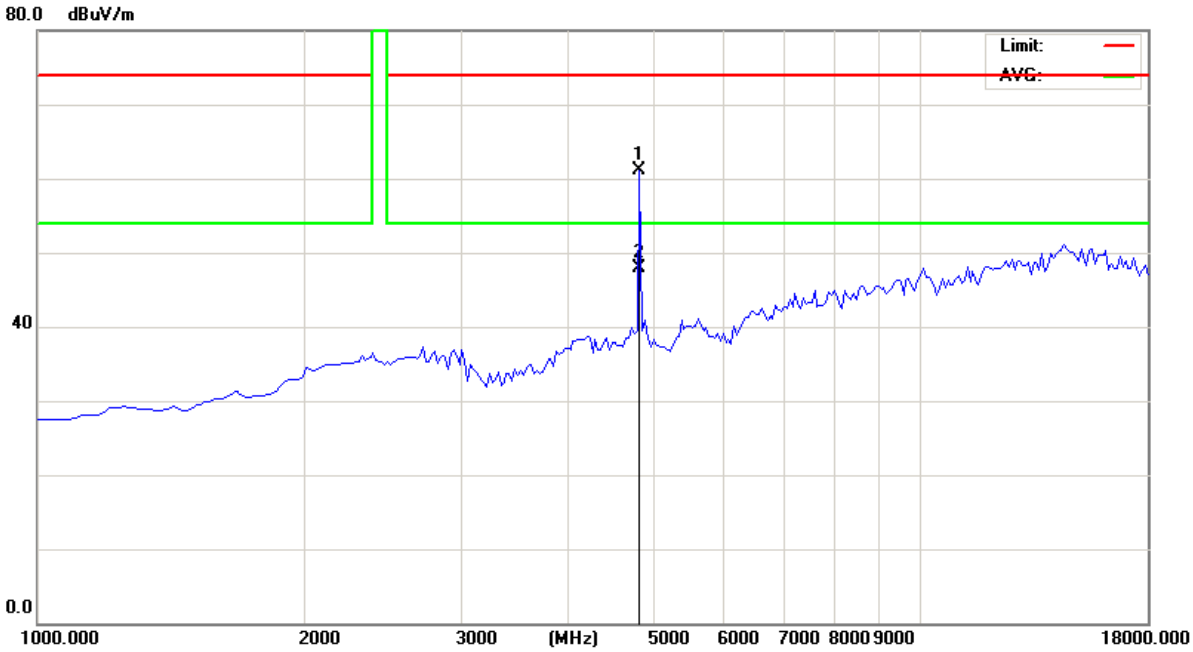
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	WIRELESS AUDIO FOR VIDEO SYSTEM	Model Name ：	U5
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.8V
Test Mode ：	TX 2402MHz	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4804.000	55.67	6.20	61.87	74.00	-12.13	peak
4804.000	41.69	6.20	47.89	54.00	-6.11	AVG

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz.

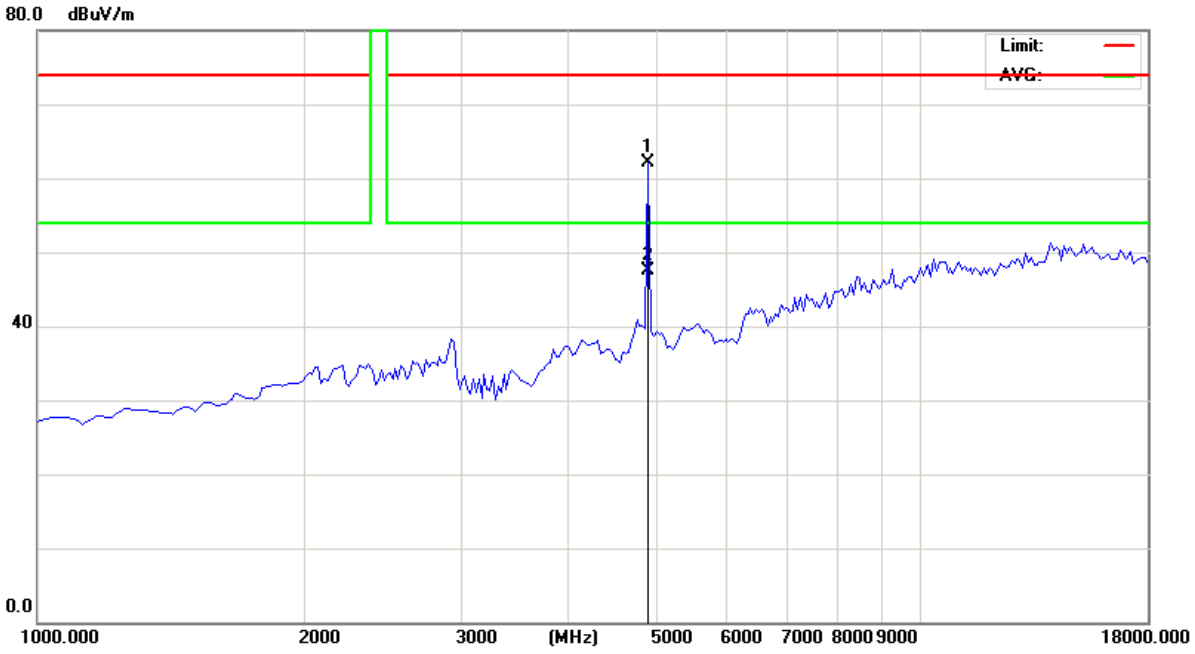


Note: EUT Pre-scan X/Y/Z orientation, only worst case is presented in the report(X orientation).

EUT：	WIRELESS AUDIO FOR VIDEO SYSTEM	Model Name ：	U5
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.8V
Test Mode ：	TX 2448MHz	Polarization：	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4896.000	55.98	5.72	61.70	74.00	-12.3	peak
4896.000	40.96	5.72	46.68	54.00	-7.32	AVG

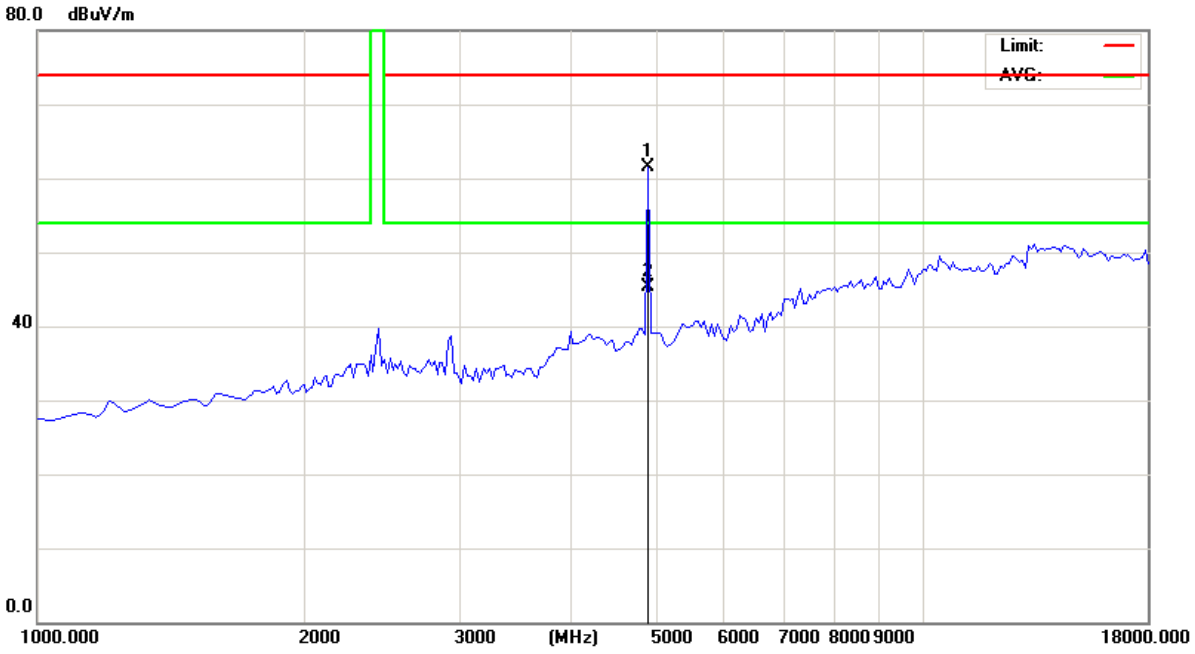
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	WIRELESS AUDIO FOR VIDEO SYSTEM	Model Name ：	U5
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.8V
Test Mode ：	TX 2448MHz	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4896.000	54.65	5.72	60.37	74.00	-13.63	peak
4896.000	38.96	5.72	45.36	54.00	-9.32	AVG

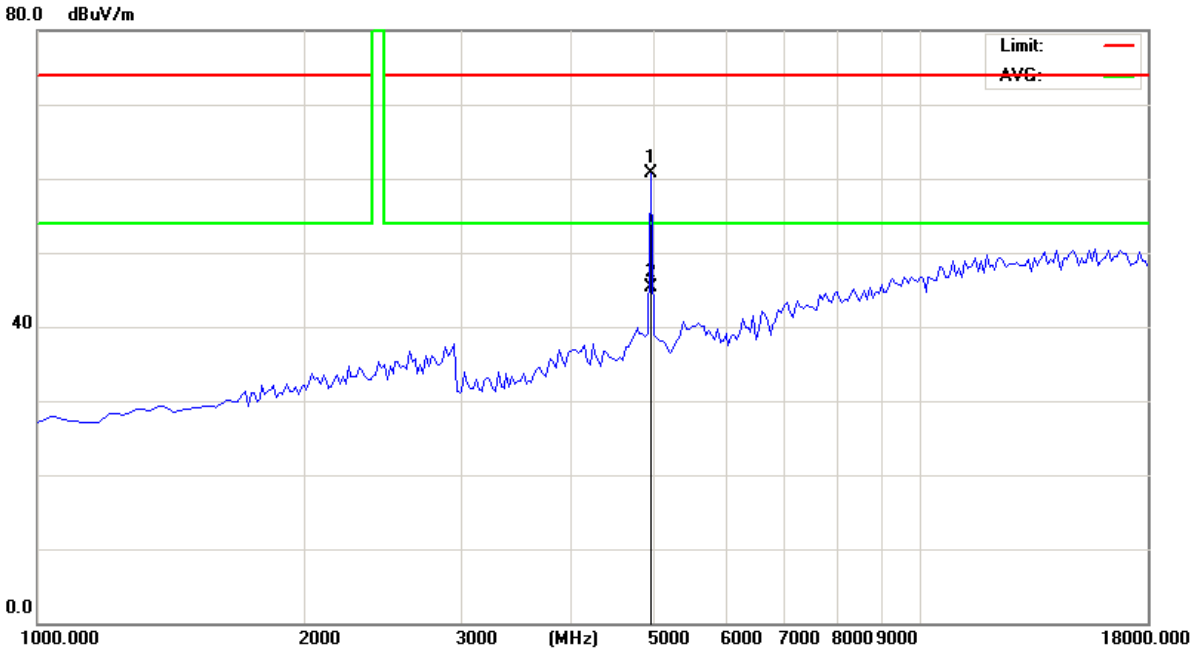
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	WIRELESS AUDIO FOR VIDEO SYSTEM	Model Name ：	U5
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.8V
Test Mode ：	TX 2482MHz	Polarization：	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4964.000	55.20	5.49	61.13	74.00	-12.87	peak
4964.000	39.68	5.49	45.17	54.00	-8.83	AVG

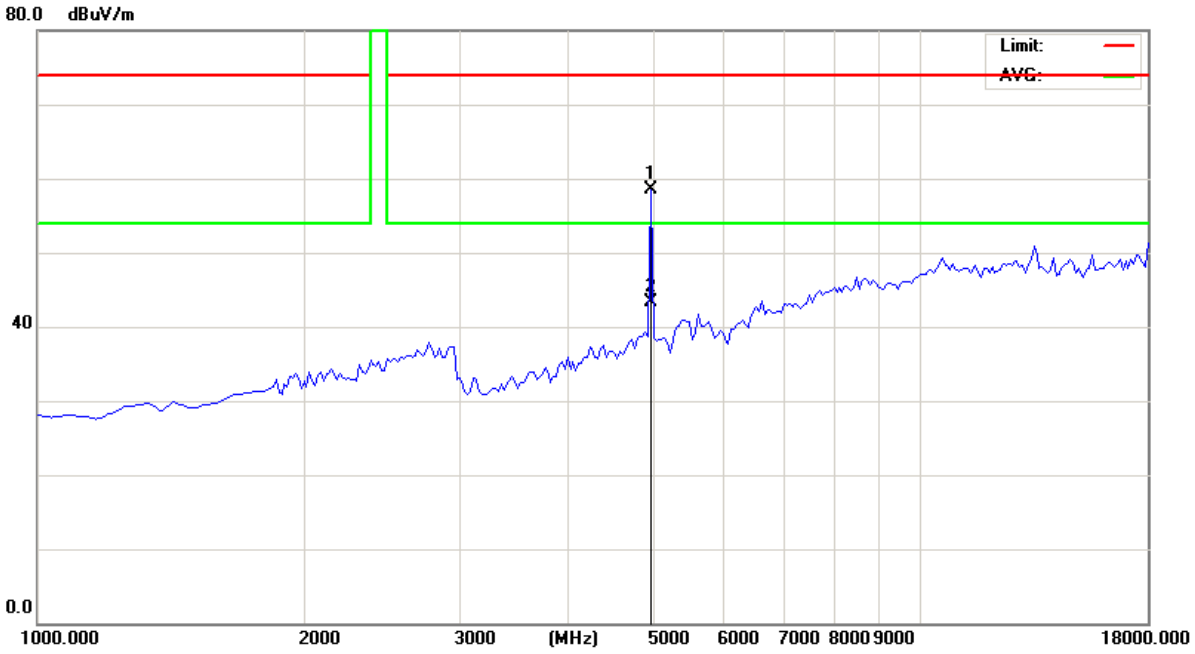
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	WIRELESS AUDIO FOR VIDEO SYSTEM	Model Name ：	U5
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.8V
Test Mode ：	TX 2482MHz	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4964.000	53.26	5.49	58.55	74.00	-15.45	peak
4964.000	37.98	5.49	43.47	54.00	-10.53	AVG

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



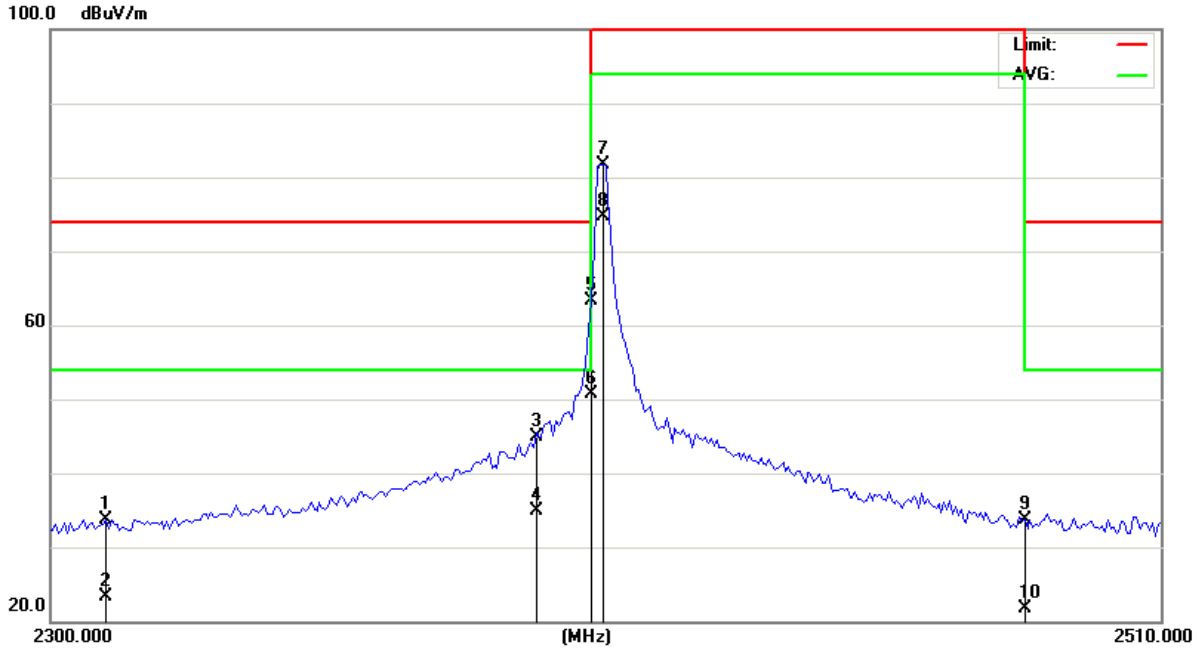
Note: EUT Pre-scan X/Y/Z orientation, only worst case is presented in the report(X orientation).

3.4.7 TEST RESULTS (RESTRICTED BANDS REQUIREMENTS)

EUT：	WIRELESS AUDIO FOR VIDEO SYSTEM	Model Name ：	U5
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.8V
Test Mode ：	TX 2402MHz	Polarization：	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2310.000	38.10	-4.39	33.71	74.00	-40.29	peak
2310.000	27.61	-4.39	23.22	54.00	-30.78	AVG
2390.000	49.43	-4.57	44.86	74.00	-29.14	peak
2390.000	39.56	-4.57	34.99	54.00	-19.01	AVG
2400.000	67.95	-4.59	63.36	74.00	-10.64	peak
2400.000	55.35	-4.59	50.76	54.00	-3.24	AVG
2402.375	86.35	-4.59	81.76	114.00	-32.24	peak
2402.375	79.35	-4.59	74.76	94.00	-19.24	AVG
2483.500	38.03	-4.27	33.76	74.00	-40.24	peak
2483.500	25.96	-4.27	21.69	54.00	-32.31	AVG

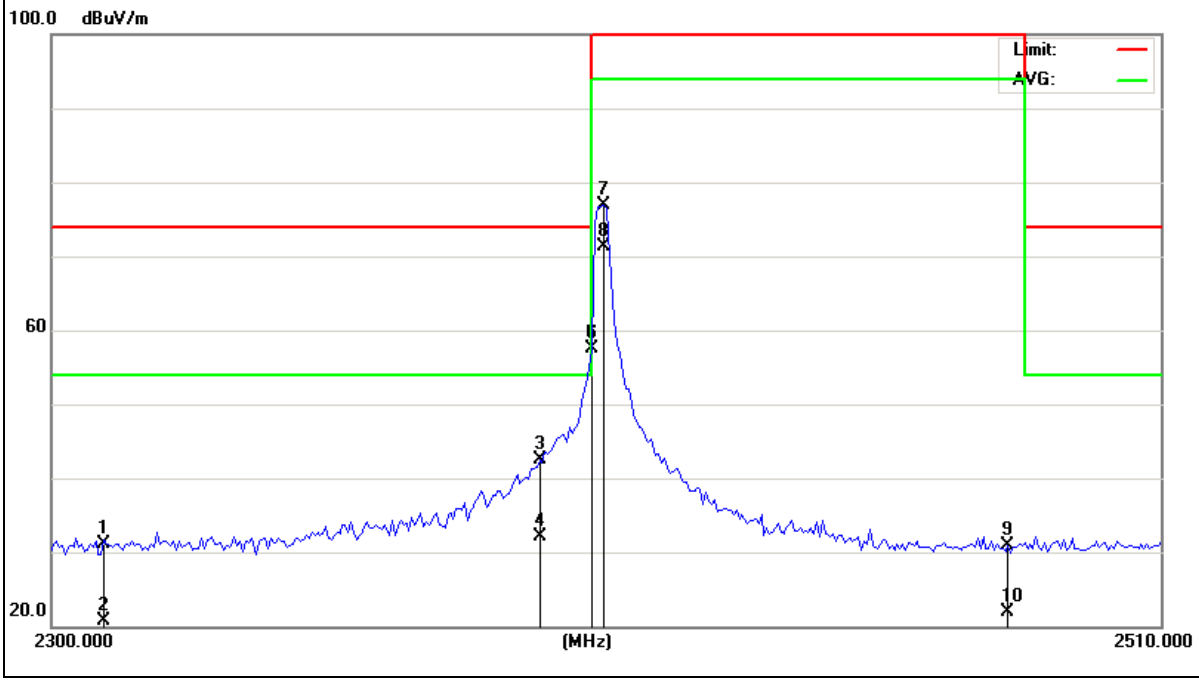
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	WIRELESS AUDIO FOR VIDEO SYSTEM	Model Name ：	U5
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.8V
Test Mode ：	TX 2402MHz	Polarization：	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2310.000	35.59	-4.39	31.20	74.00	-42.80	peak
2310.000	25.04	-4.39	20.65	54.00	-33.35	AVG
2390.000	47.03	-4.57	42.46	74.00	-31.54	peak
2390.000	36.59	-4.57	32.02	54.00	-21.98	AVG
2400.000	62.09	-4.59	57.50	74.00	-16.50	peak
2400.000	62.09	-4.59	57.50	74.00	-16.50	AVG
2402.375	81.51	-4.59	76.92	114.00	-37.08	peak
2402.375	75.94	-4.59	71.35	94.00	-22.65	AVG
2480.000	35.15	-4.29	30.86	114.00	-83.14	peak
2480.000	26.15	-4.29	21.86	94.00	-72.14	AVG

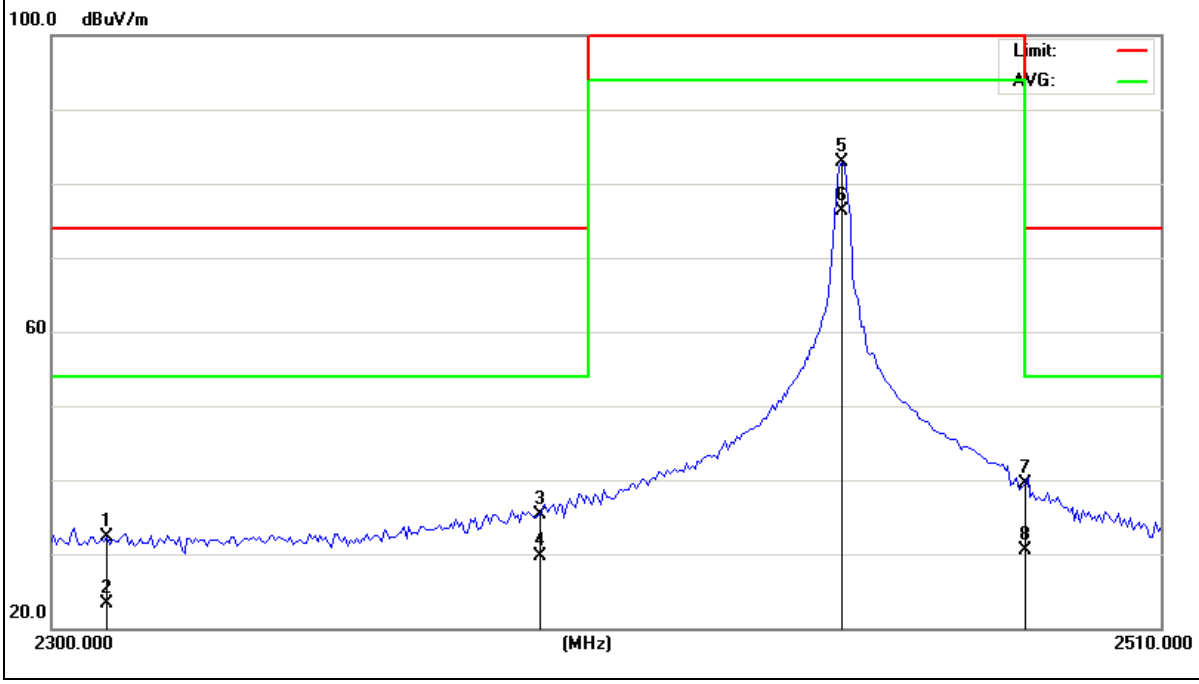
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	WIRELESS AUDIO FOR VIDEO SYSTEM	Model Name ：	U5
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.8V
Test Mode ：	TX 2448MHz	Polarization：	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2310.000	36.77	-4.39	32.38	74.00	-41.62	peak
2310.000	27.75	-4.39	23.36	54.00	-30.64	AVG
2390.000	39.95	-4.57	35.38	74.00	-38.62	peak
2390.000	34.20	-4.57	29.63	54.00	-24.37	AVG
2448.050	87.40	-4.40	83.00	114.00	-31.00	peak
2448.050	80.75	-4.40	76.35	94.00	-17.65	AVG
2483.500	43.77	-4.27	39.50	74.00	-34.50	peak
2483.500	34.79	-4.27	30.52	54.00	-23.48	AVG

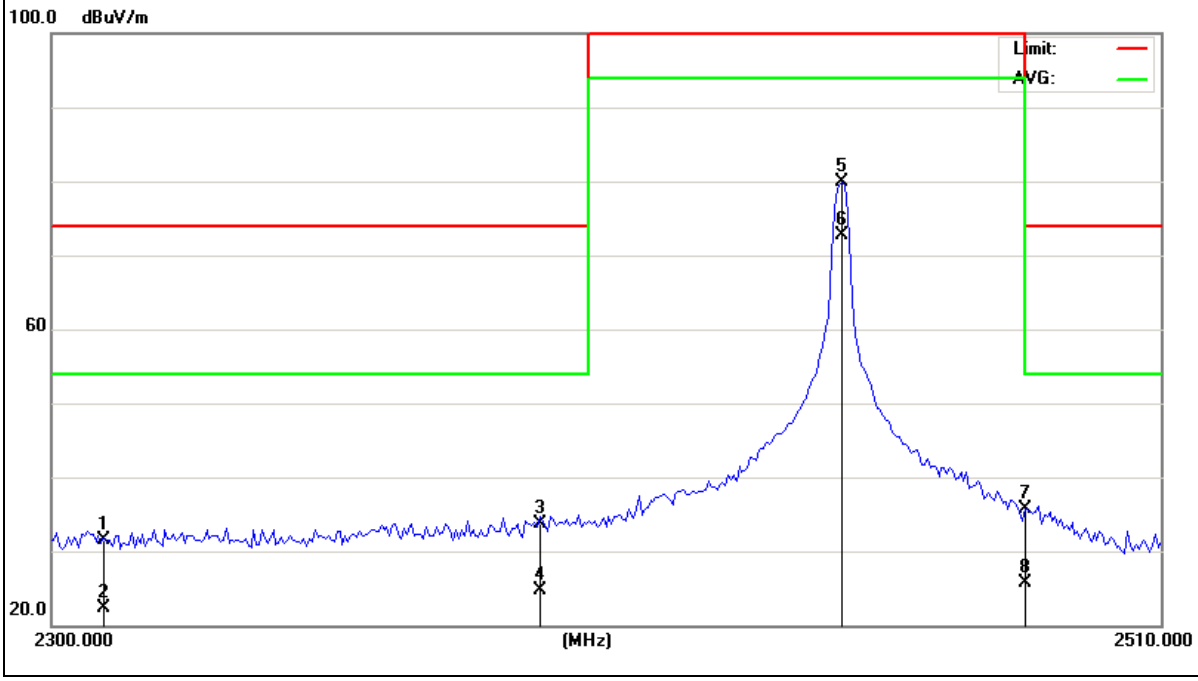
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	WIRELESS AUDIO FOR VIDEO SYSTEM	Model Name ：	U5
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.8V
Test Mode ：	TX 2448MHz	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2310.000	35.93	-4.39	31.54	74.00	-42.46	peak
2310.000	26.75	-4.39	22.36	54.00	-31.64	AVG
2390.000	38.27	-4.57	33.70	74.00	-40.30	peak
2390.000	29.22	-4.57	24.65	54.00	-29.35	AVG
2448.000	84.30	-4.40	79.90	114.00	-34.10	peak
2448.050	77.08	-4.40	72.68	94.00	-21.32	AVG
2483.500	40.03	-4.27	35.76	74.00	-38.24	peak
2483.500	29.96	-4.27	25.69	54.00	-28.31	AVG

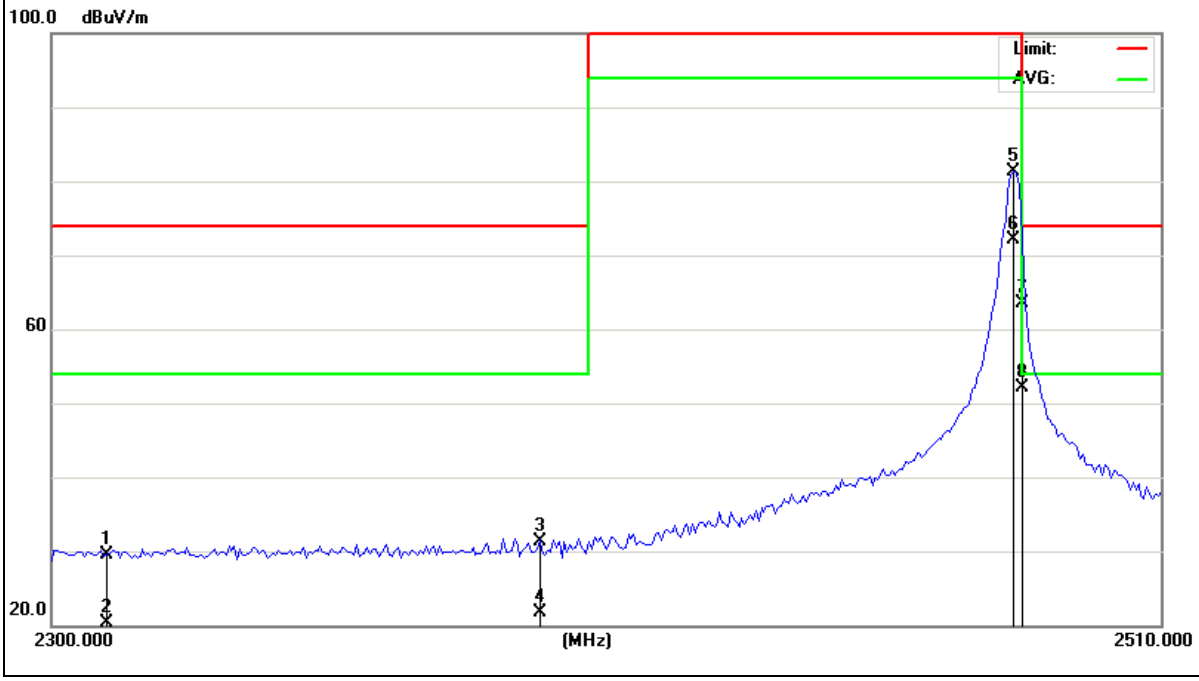
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	WIRELESS AUDIO FOR VIDEO SYSTEM	Model Name ：	U5
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.8V
Test Mode ：	TX 2482MHz	Polarization：	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2310.000	33.95	-4.39	29.56	74.00	-44.44	peak
2310.000	24.69	-4.39	20.30	54.00	-33.70	AVG
2390.000	35.97	-4.57	31.40	74.00	-42.60	peak
2390.000	26.36	-4.57	21.79	74.00	-52.21	AVG
2481.650	85.51	-4.28	81.23	114.00	-32.77	peak
2481.650	76.38	-4.28	72.10	94.00	-21.90	AVG
2483.500	67.78	-4.27	63.51	74.00	-10.49	peak
2483.500	56.32	-4.27	52.05	54.00	-1.95	AVG

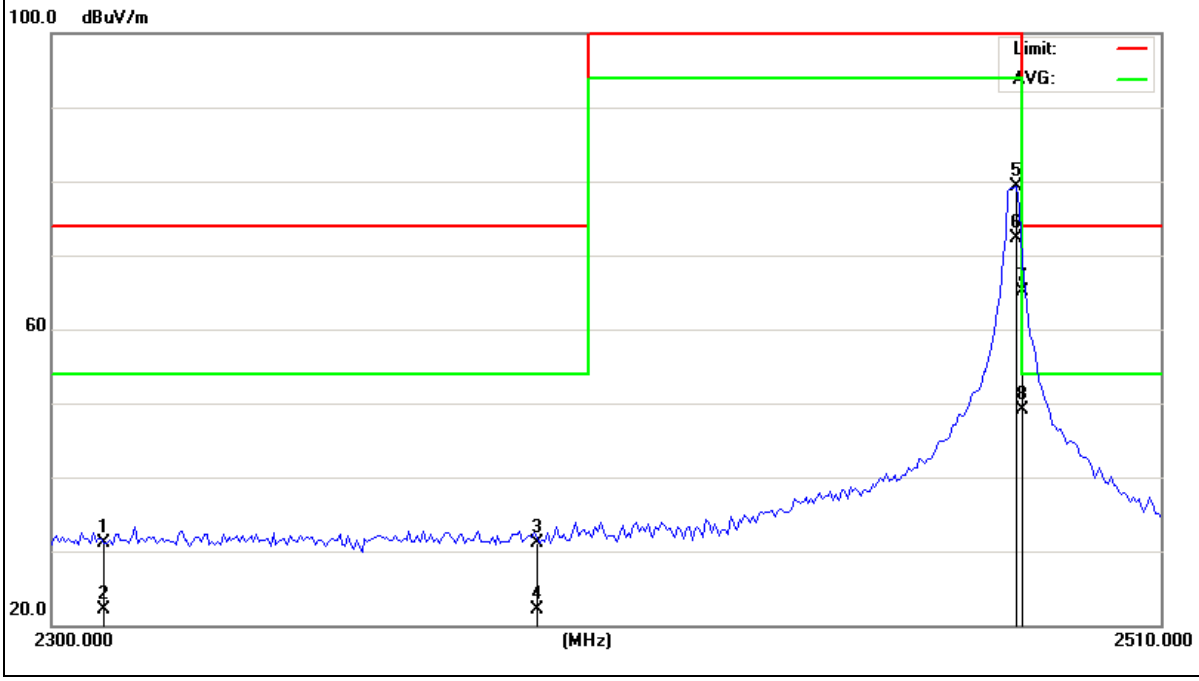
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	WIRELESS AUDIO FOR VIDEO SYSTEM	Model Name ：	U5
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.8V
Test Mode ：	TX 2482MHz	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2310.000	35.50	-4.39	31.11	74.00	-42.89	peak
2310.000	26.59	-4.39	22.20	54.00	-31.80	AVG
2390.000	35.73	-4.57	31.16	74.00	-42.84	peak
2390.000	26.67	-4.57	22.10	54.00	-31.90	AVG
2482.175	83.56	-4.28	79.28	114.00	-34.72	peak
2482.175	76.59	-4.28	72.31	94.00	-21.69	AVG
2483.500	69.38	-4.27	65.11	74.00	-8.89	peak
2483.500	53.36	-4.27	49.09	54.00	-4.91	AVG

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



4. BANDWIDTH TEST

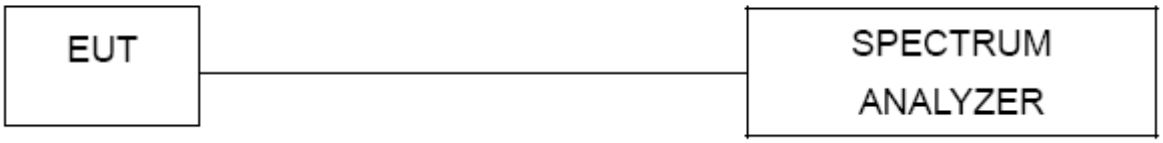
4.1 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
b. Spectrum Setting : RBW= 100KHz, VBW≧RBW, Sweep time = Auto.

4.2 DEVIATION FROM STANDARD

No deviation.

4.3 TEST SETUP

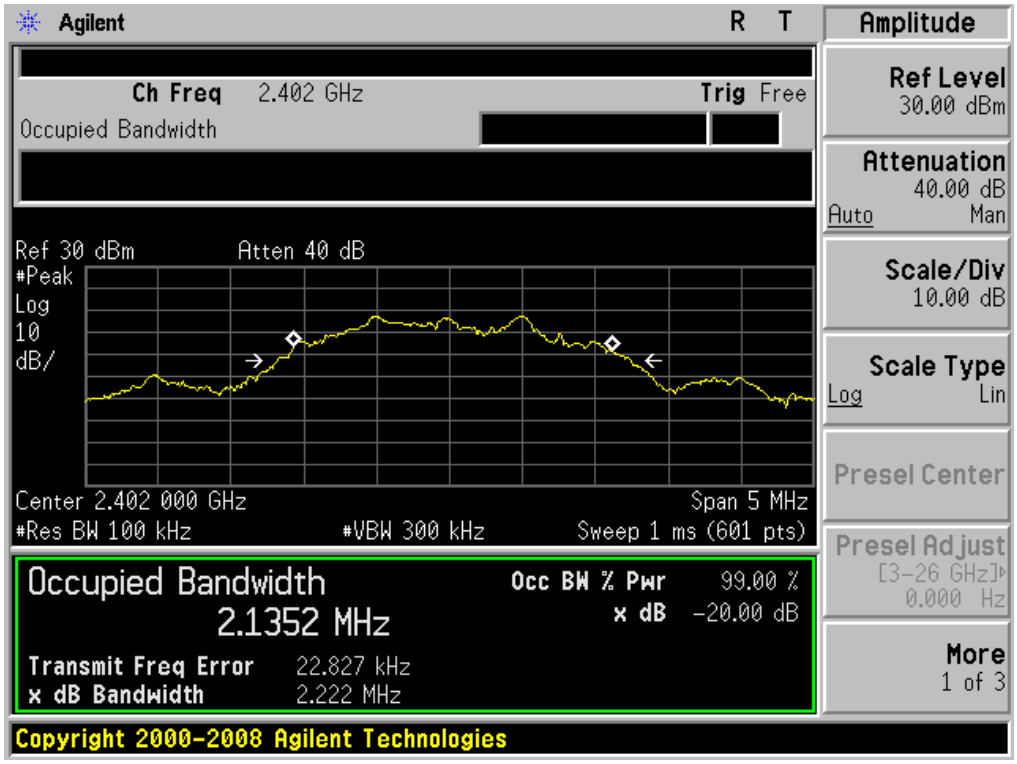


5. TEST RESULTS

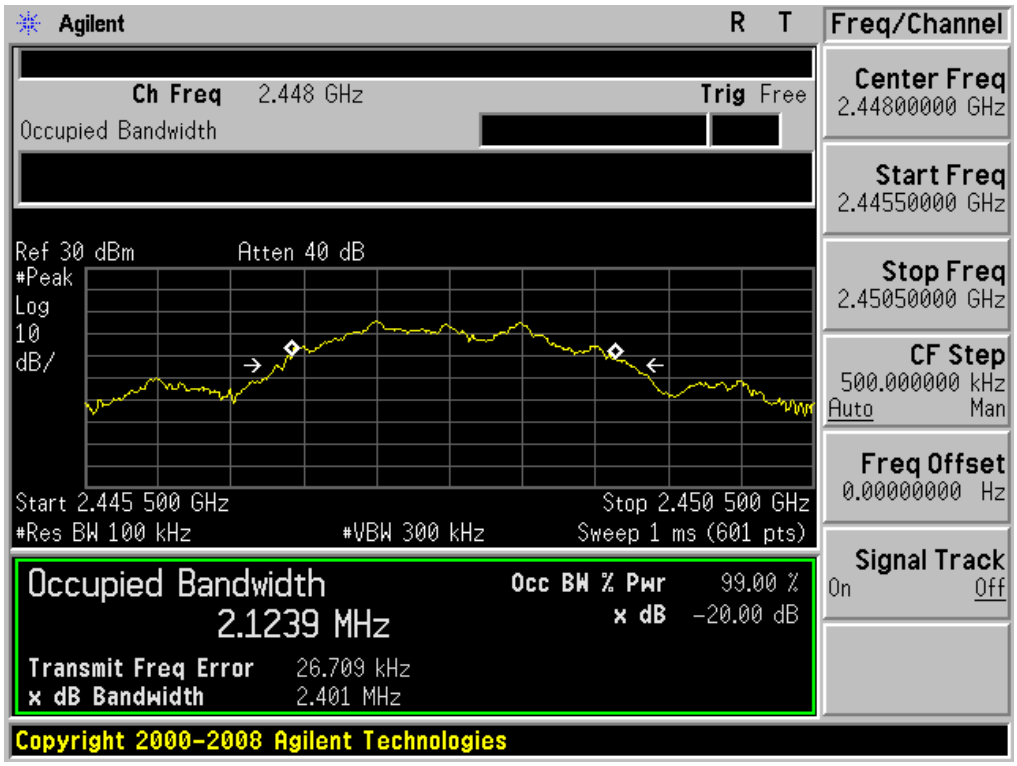
EUT：	WIRELESS AUDIO FOR VIDEO SYSTEM	Model Name ：	U5
Temperature：	26 ℃	Relative Humidity：	53%
Pressure：	1020 hPa	Test Power ：	DC 3.8V
Test Mode ：	TX(2402MHz/2448MHz/2482MHz)		

Test Frequency (MHz)	20 dBc Bandwidth (MHz)
2402	2.222
2448	2.401
2482	2.227

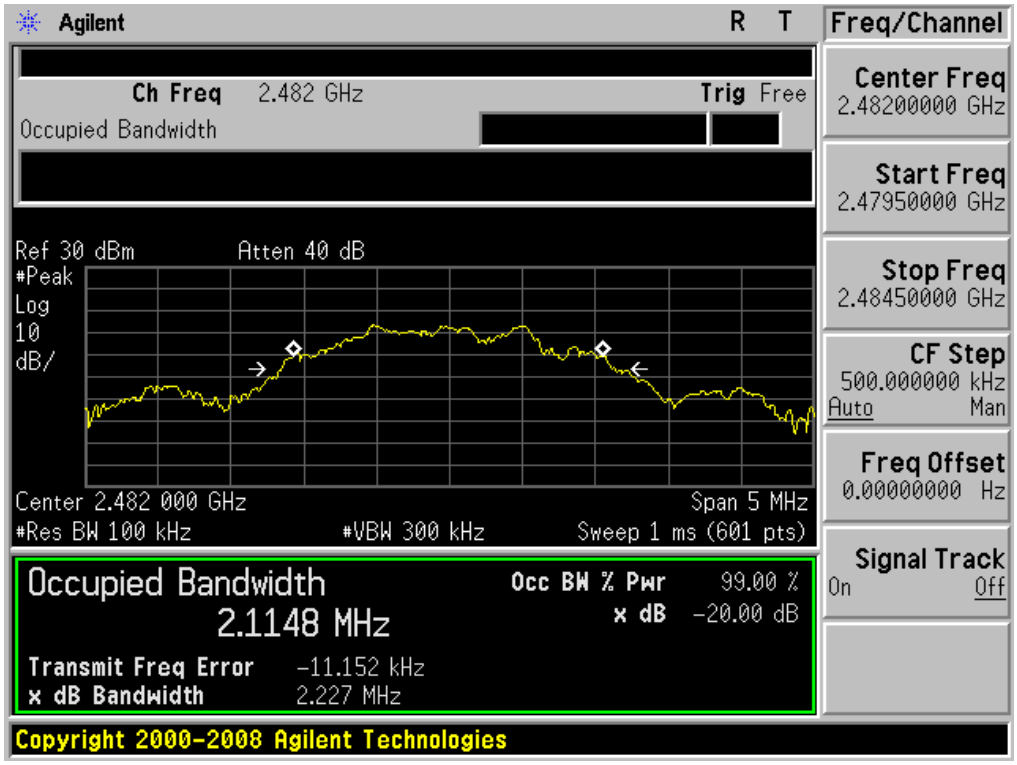
2402 MHz



20 dBc Bandwidth 2448MHz



20 dBc Bandwidth 2482MHz



END OF REPORT