

FCC RADIO TEST REPORT FCC ID:YIZRT-MWK07

Product: Android TV Remote

Trade Name: N/A

Model Name: RT-MWK07

RT-MWK07T, RT-MWK07KS, RT-MWK07RF

Serial Model: RT-MWK07BT, i07, K07, ZW-52007,

ZW-52007BT, ZW-52007-1, ZW-52007-2

Report No.: NTEK-2013NT0916224F

Prepared for

Shenzhen Riitek Technology Co., Ltd.

Rm 1608 Baoyuanda Logistic and Information Buliding, Baoyunda Logistic Center, Acenue Xixiang, Bao'an District, Shenzhen, China

Prepared by

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Applicant's name Shenzhen Riitek Technology Co., Ltd.



TEST RESULT CERTIFICATION

Report No.: NTEK-2013NT0916224F

Address	Rm 1608 Baoyuanda Logistic and Information Buliding, Baoyunda Logistic Center, Acenue Xixiang, Bao'an District, Shenzhen, China				
Manufacture's Name	Shenzhen Riitek Technology Co., Ltd.				
Address	Rm 1608 Baoyuanda Logistic and Information Buliding, Baoyunda Logistic Center, Acenue Xixiang, Bao'an District, Shenzhen, China				
Product description					
Product name	Android T	V Remote			
Model and/or type reference	RT-MWK	07			
Serial Model:			07KS, RT-MWK07RF, RT-MW 2007BT, ZW-52007-1, ZW-520		
Standards	FCC Part	15.249			
Test procedure	ANSI C63	3.4-2003			
	s in compli	iance with the	K, and the test results show the FCC requirements. And it is a		
•	evised by	NTEK, persor	out the written approval of NT nal only, and shall be noted in	•	
			2~06 Oct 2013		
Date (s) of performance of tes			00 001. 2013		
Date of Issue					
Test Result		Pass			
Testing Eng	ineer	:	Apple Huong		
			(Apple Huang)		
Technical M	anager	:	Brown Ln		
			(Brown Lu)		
Authorized S	Signatory	:	Kovey Jung		
			(Bovey Yang)		



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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	N/A			
15.203	Antenna Requirement	Pass			
15.249	Radiated Spurious Emission	Pass			
15.205	Band Edge Emission	Pass			
15.249	Occupied Bandwidth	Pass			

NOTE:

(1)" N/A" denotes test is not applicable in this Test Report



1.1 TEST FACILITY

NTEK Testing Technology Co., Ltd

Add.: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen P.R. China.

FCC Registration No.:238937; IC Registration No.:9270A-1

CNAS Registration No.:L5516

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $\mathbf{y} \pm \mathbf{U}$, where expended uncertainty \mathbf{U} is based on a standard uncertainty multiplied by a coverage factor of $\mathbf{k=2}$, providing a level of confidence of approximately 95 % $^{\circ}$

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%

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2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Android TV Remote			
Trade Name	N/A			
Model Name	RT-MWK07			
Serial Model	RT-MWK07T, RT-MWK07KS, RT-MWK07RF RT-MWK07BT, i07, K07, ZW-52007, ZW-52007BT ZW-52007-1, ZW-52007-2			
Model Difference	All the models are the s except the model name	ame circuit and RF module, s and color.		
Product Description	The EUT is a Android TV Remote Operation Frequency: 2407~2477MHz Modulation Type: GFSK Antenna Designation: PCB Antenna Antenna Gain(Peak) 0.15 dBi EIRP 82.83dBuv/m@3m(PEAK) Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as a ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.			
Channel List	Please refer to the Note 2.			
Adapter	N/A			

Note:

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



2.

Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2407	09	2440
02	2408	10	2441
03	2410	11	2442
04	2414	12	2455
05	2421	13	2467
06	2428	14	2468
07	2435	15	2469
08	2437	16	2477

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3.

Table for Filed Antenna

Ant	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	N/A	N/A	PCB Antenna	N/A	0.15	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	Link Mode
Mode 2	TX CH 01
Mode 3	TX CH 09
Mode 4	TX CH 16

For Conducted Emission			
Final Test Mode Description			
Mode 1	Link Mode		

For Radiated Emission				
Final Test Mode	Description			
Mode 1	Link Mode			
Mode 2	TX CH 01			
Mode 3	TX CH 09			
Mode 4	TX CH 16			

Note:

- (1) The measurements are performed at the highest, middle, lowest available channels.
- (2) The EUT use new battery.



2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Radiated Spurious Emission Test:

E-1 EUT

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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	Brand	Model/Type No.	Series No.	Note
E-1	Android TV Remote	N/A	RT-MWK07	N/A	EUT

Item	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 <code>[Length]</code> column.

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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	E4407B	MY4510804 0	2013.07.06	2014.07.05	1 year
2	Test Receiver	R&S	ESPI	101318	2013.06.07	2014.06.06	1 year
3	Bilog Antenna	TESEQ	CBL6111D	31216	2013.07.06	2014.07.05	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	620026441 6	2013.06.07	2014.06.06	1 year
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	2013.06.07	2014.06.06	1 year
6	Horn Antenna	EM	EM-AH-101 80	2011071402	2013.07.06	2014.07.05	1 year
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2013.07.06	2014.07.05	1 year
8	Amplifier	EM	EM-30180	060538	2012.12.22	2013.12.21	1 year
9	Loop Antenna	ARA	PLA-1030/B	1029	2013.06.08	2014.06.07	1 year
10	Power Meter	R&S	NRVS	100696	2013.07.06	2014.07.05	1 year
11	Power Sensor	R&S	URV5-Z4	0395.1619. 05	2013.07.06	2014.07.05	1 year

Conduction Test equipment

	· ' '	Conduction rest equipment						
Item	Kind of	Manufactu	Type No.	Serial No.	Last	Calibrated	Calibratio	
	Equipment	rer			calibration	until	n period	
1	Test Receiver	R&S	ESCI	101160	2013.06.06	2014.06.05	1 year	
2	LISN	R&S	ENV216	101313	2013.08.24	2014.08.23	1 year	
3	LISN	EMCO	3816/2	00042990	2013.08.24	2014.08.23	1 year	
4	50Ω Coaxial Switch	Anritsu	MP59B	620026441 7	2013.06.07	2014.06.06	1 year	
5	Passive Voltage Probe	R&S	ESH2-Z3	100196	2013.06.07	2014.06.06	1 year	
6	Absorbing clamp	R&S	MOS-21	100423	2013.06.08	2014.06.07	1 year	



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.

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3.2 EUT ANTENNA

The EUT	`antenna is	integral	Antenna. I	t compl	y with the	e stand	ard rec	uirement	

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3.3 CONDUCTED EMISSION MEASUREMENT

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

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

0.15 -0.5		66 - 56 *	56 - 46 *	LP002.
0.50 -5.0		56.00	46.00	LP002.
5.0 -30.0		60.00	50.00	LP002.

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



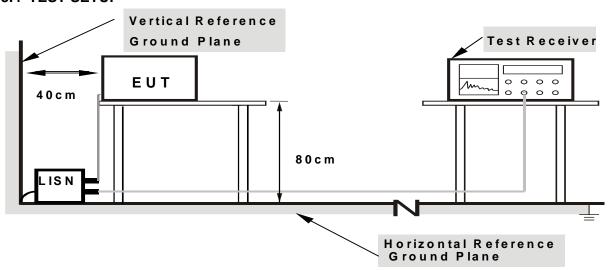
3.3.2 TEST PROCEDURE

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

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:	Android TV Remote	Model Name. :	RT-MWK07
Temperature :	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	N/A
Test Mode :	N/A	Phase :	N/A



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
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Note:

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

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 meters above the ground at a 3m meter open area test site. 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; the height of the test antenna shall vary between 1 m to 4 m.
- 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.

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

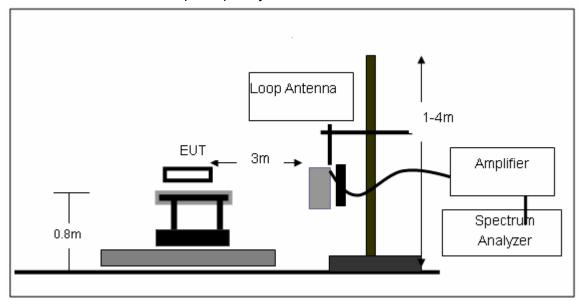
No deviation

`

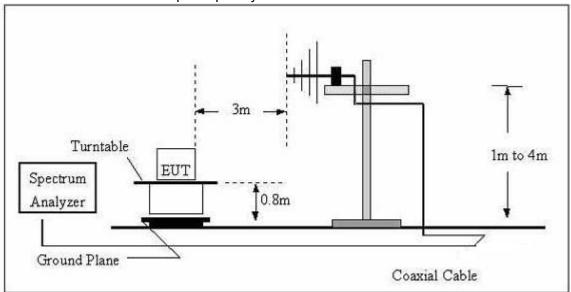


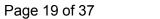
3.4.4 TEST SETUP

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

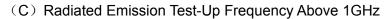


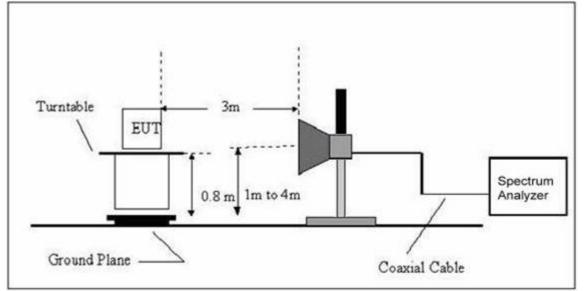
(B) Radiated Emission Test-Up Frequency 30MHz~1GHz











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3.4.5 TEST RESULTS (BELOW 30MHz)

EUT:	Android TV Remote	Model Name. :	RT-MWK07
Temperature :	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.0V
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.

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

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



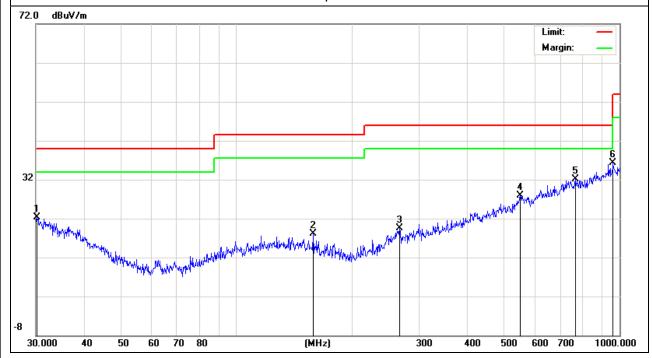
3.4.6 TEST RESULTS (BETWEEN 30 – 1000 MHZ)

EUT:	Android TV Remote	Model Name :	RT-MWK07
Temperature:	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.0V
Test Mode :	TX	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
30.2110	4.11	18.23	22.34	40.00	-17.66	QP
158.6676	7.06	11.12	18.18	43.50	-25.32	QP
266.6089	5.03	14.38	19.41	46.00	-26.59	QP
550.9479	4.16	23.68	27.84	46.00	-18.16	QP
766.0571	5.85	26.27	32.12	46.00	-13.88	QP
962.1622	6.44	29.87	36.31	54.00	-17.69	QP

Remark:

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



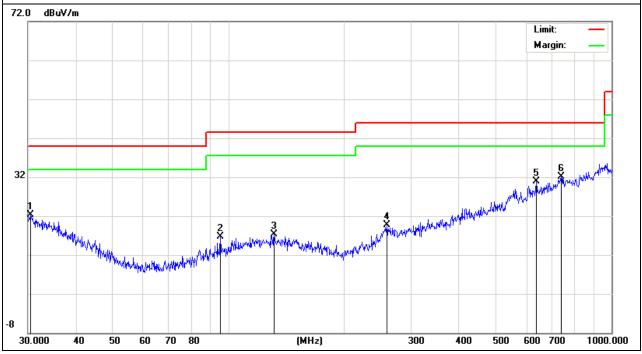


EUT:	Android TV Remote	Model Name :	RT-MWK07
Temperature :	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.0V
Test Mode :	TX	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
30.5305	4.22	18.09	22.31	40.00	-17.69	QP
95.4270	6.56	10.14	16.70	43.50	-26.80	QP
131.7576	5.11	12.22	17.33	43.50	-26.17	QP
259.2337	4.78	14.84	19.62	46.00	-26.38	QP
636.1340	7.48	23.50	30.98	46.00	-15.02	QP
739.6604	5.58	26.47	32.05	46.00	-13.95	QP

Remark:

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



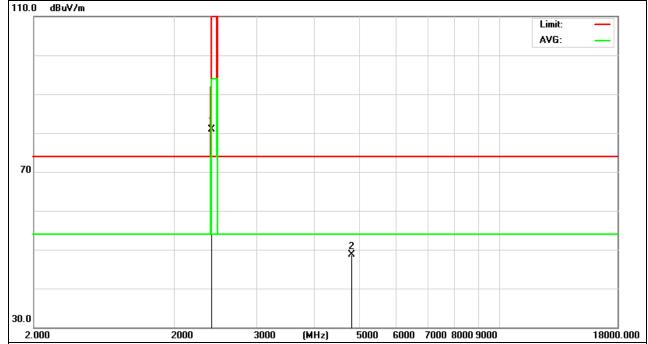
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3.4.7 TEST RESULTS (ABOVE 1000 MHZ)

EUT:	Android TV Remote	Model Name :	RT-MWK07
Temperature:	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.0V
Test Mode :	TX /2407MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2407.0000	124.87	-43.96	80.91	114.0 0	-33.09	Pk
4814.1500	92.88	-44.24	48.64	74.00	-25.36	Pk
2407.0000	115.78	-43.96	71.82	94	-22.18	Av
4814.1500	82.84	-44.24	38.6	54	-15.4	Av



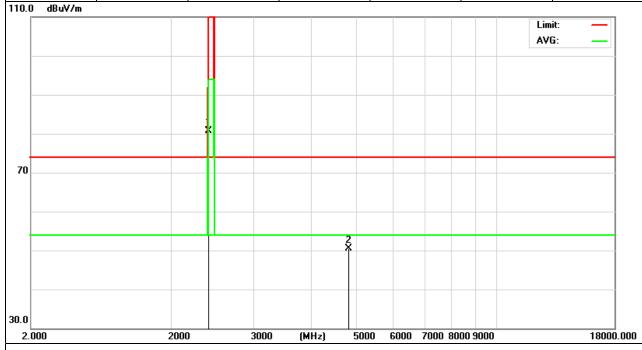
Remark:

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



EUT:	Android TV Remote	Model Name :	RT-MWK07
Temperature:	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.0V
Test Mode :	TX /2407MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2407.0000	124.64	-43.96	80.68	114.0 0	-33.32	Pk
4814.1500	94.68	-44.24	50.44	74	-23.56	Pk
2407.0000	116.75	-43.96	72.79	94	-21.21	Av
4814.1500	80.88	-44.24	36.64	54	-17.36	Av



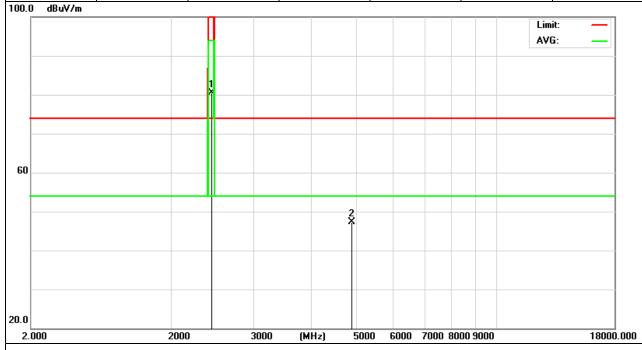
Remark:

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



EUT:	Android TV Remote	Model Name :	RT-MWK07
Temperature :	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.0V
Test Mode :	TX /2440MHz	Polarization :	Horizontal

	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
	2440.75	124.5	-43.98	80.52	114.0 0	-33.48	Pk
	4880.236	91.57	-44.22	47.35	74	-26.65	Pk
Ī	2440.75	105.65	-43.98	61.67	94	-32.33	Av
	4880.236	83.57	-44.22	39.35	54	-14.65	Av



Remark:

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



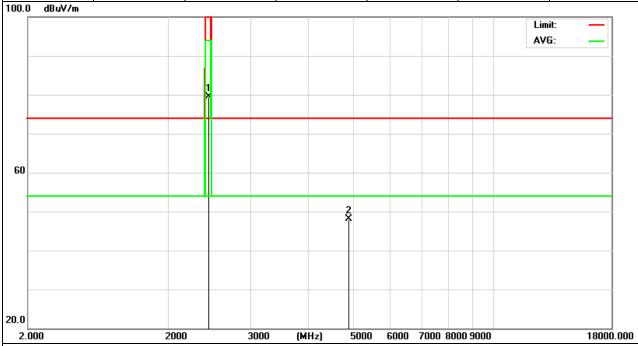
EUT:

Model Name : RT-MWK07

Temperature:	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.0V
Test Mode :	TX /2440MHz	Polarization :	Vertical

Android TV Remote

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2440.75	123.39	-43.98	79.41	114.0 0	-34.59	Pk
4880.235	92.32	-44.22	48.1	74	-25.9	Pk
2440.75	115.63	-43.98	71.65	94	-22.35	Av
4880.235	84.52	-44.22	40.3	54	-13.7	Av



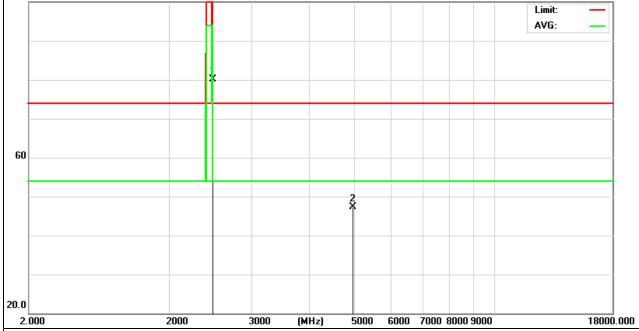
Remark:

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



EUT:	Android TV Remote	Model Name :	RT-MWK07
Temperature:	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.0V
Test Mode :	TX /2477MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2477	125.67	-43.99	81.68	114	-32.32	Pk
4954	90.87	-44.21	46.66	74	-27.34	Pk
2477	117.54	-43.99	73.55	94	-20.45	Av
2954	82.67	-44.21	38.46	54	-15.54	Av
2954 100.0 dBuV/m	02.07	-44 .21	30.40	54	-15.54	

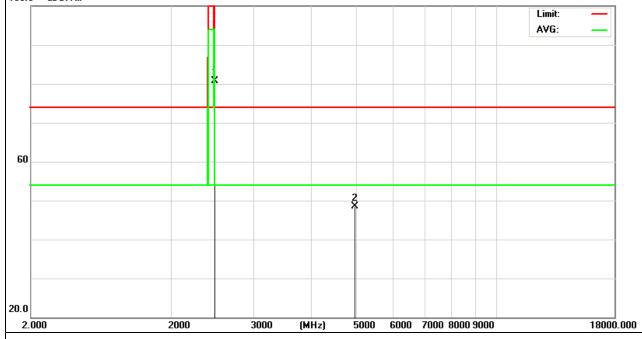


Remark:

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

EUT:	Android TV Remote	Model Name :	RT-MWK07
Temperature :	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.0V
Test Mode :	TX /2477MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo		
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type		
2477	123.54	-43.99	79.55	114	-34.45	Pk		
4954	93.59	-44.21	49.38	74	-24.62	Pk		
2477	116.87	-43.99	72.88	94	-21.12	Av		
2954	84.74	-44.21	40.53	54	-13.47	Av		
100.0 dBuV/m	100.0 dBuV/m							



Remark:

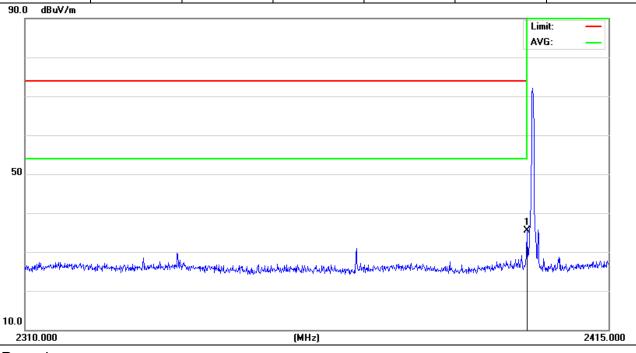
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



3.4.8 TEST RESULTS (RESTRICTED BANDS REQUIREMENTS)

EUT:	Android TV Remote	Model Name :	RT-MWK07
Temperature:	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.0V
Test Mode :	TX /2407MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2400	48.43	-12.99	35.44	74	-38.56	peak
2400	39.76	-12.99	26.77	54	-27.23	Av



Remark:

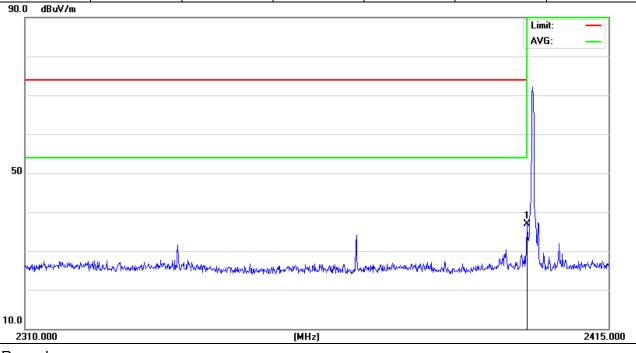
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



r	<u>+</u>	1	
EUT:	Android TV Remote	Model Name :	RT-MWK07
Temperature :	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.0V
Test Mode :	TX /2407MHz	Polarization :	Vertical

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Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotoctor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2400	49.95	-12.99	36.96	74	-37.04	peak
2400	41.67	-12.99	28.68	54	-25.32	Av



Remark:

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



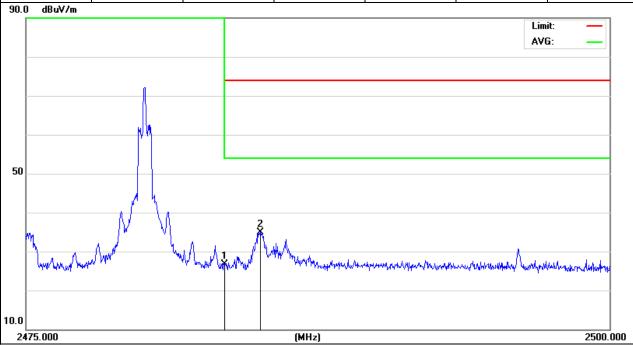
EUT: Android TV Remote Model Name: RT-MWK07

Temperature: 20 °C Relative Humidity: 48%

Pressure: 1010 hPa Test Voltage: DC 3.0V

Test Mode: TX /2477MHz Polarization: Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2483.5	39.39	-12.78	26.61	74	-47.39	peak
2485.025	47.78	-12.78	35	74	-39	peak
2483.5	31.74	-12.78	18.96	54	-35.04	Av
2485.025	39.76	-12.78	26.98	54	-27.02	Av



Remark:

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

PK value below the AV value limit, no record AV value.

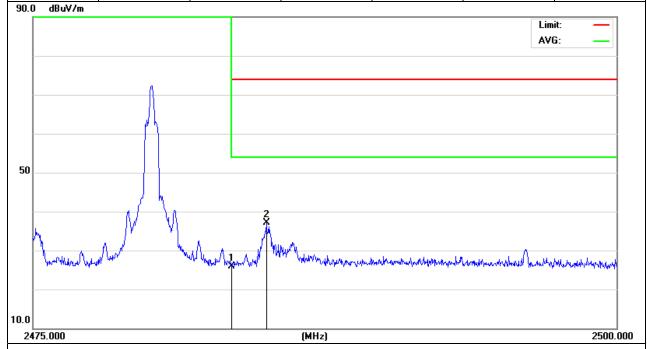
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EUT:	Android TV Remote	Model Name :	RT-MWK07
Temperature:	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.0V
Test Mode :	TX /2477MHz	Polarization :	Vertical

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Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2483.5	38.72	-12.78	25.94	74	-48.06	peak
2484.975	49.86	-12.78	37.08	74	-36.92	peak
2483.5	32.55	-12.78	19.77	54	-34.23	Av
2484.975	41.67	-12.78	28.89	54	-25.11	Av



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

EUT	SPECTRUM
	ANALYZER

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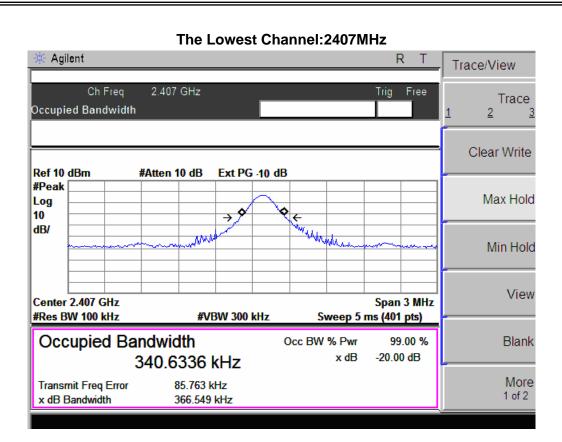
Page 34 of 37 Report No.: NTEK-2013NT0916224F

4.4 TEST RESULTS

EUT:	Android TV Remote	Model Name :	RT-MWK07
Temperature :	26 ℃	Relative Humidity:	53%
Pressure:	1020 hPa	Test Power :	DC 3.0V
Test Mode :	TX CH 01/09/16		

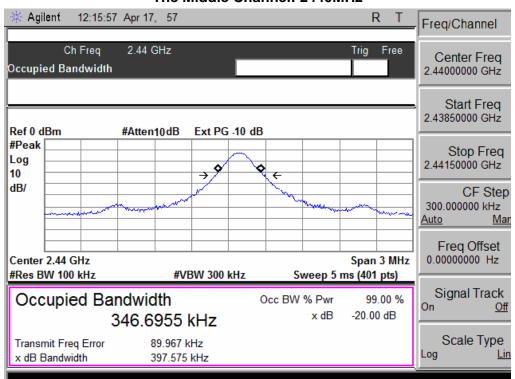
Test Channel	Frequency	20 dB Bandwidth	99% Bandwidth
icst orialises	(MHz)	(MHz)	(MHz)
CH01	2407	0.366	0.340
CH09	2440	0.397	0.346
CH16	2477	0.373	0.351



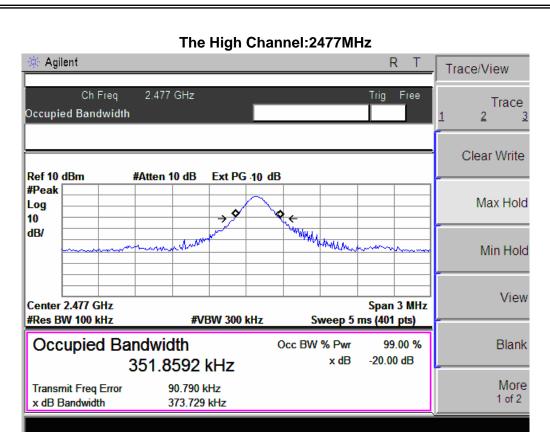


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The Middle Channel: 2440MHz







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5. EUT TEST PHOTO



