

FCC- TEST REPORT

Report Number :	64.912.17.00059.0	01	Date of Issue:	June 19, 2017
Model	: IRC-01			
Product Type	: Universal Remo	ote		
Applicant	: Smart iBlue Teo	chnology Lir	nited	
Manufacturer	: Smart iBlue Teo	chnology Lir	nited	
Address	: Unit 12, 10/F., H Chai Wan, HON		ndustrial Centre	e, 2 Hong Man Street,
Test Result :	Positive	□ Negativ	е	
Total pages including Appendices :	27			

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SUD

2 Details about the Test Laboratory

Details about the Test Laboratory

Test Site 1

Company name:	TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch Building 12&13, Zhiheng Wisdomland Business Park, Nantou Checkpoint Road 2, Nanshan District, Shenzhen City, 518052, P. R. China
FCC Registration Number:	502708
IC Registration Number:	10320A-1
Telephone: Fax:	86 755 8828 6998 86 755 828 5299



3 Description of the Equipment under Test

Product: Universal Remote

Model no.: IRC-01

FCC ID: 2AKSEIRC-01

Rating: DC 5V

RF Transmission Frequency: 2402MHz to 2480MHz

Modulation: GFSK

Antenna Type: Integrated Antenna

Antenna Gain: 0dBi

Description of the EUT: The EUT is a remote which can be controlled by connecting Bluetooth.



4 Summary of Test Standards

Test Standards		
FCC Part 15 Subpart C	PART 15 - RADIO FREQUENCY DEVICES	
10-1-2015 Edition	Subpart C - Intentional Radiators	

All the test methods were according to KDB558074 D01 DTS Meas Guidance v04 and ANSI C63.10 (2013).

5 Summary of Test Results

Technical Requirements				
FCC Part 15 Subpart C				
Test Condition		Pages	Test Result	Test Site
§15.247(b)(1)	Conducted peak output power	11	Pass	Site 1
§15.247(e)	Power spectral density	15	Pass	Site 1
§15.247(a)(2)	6dB bandwidth	13	Pass	Site 1
§15.247(d)	Spurious RF conducted emissions	17	Pass	Site 1
§15.247(d)	Band edge	21	Pass	Site 1
§15.247(d) & §15.209 &	Spurious radiated emissions for transmitter and receiver	23	Pass	Site 1
§15.203	Antenna requirement	See note 1	Pass	

Note 1: The EUT uses an Integrated Antenna, which gain is 0dBi. According to §15.203, it is considered sufficiently to comply with the provisions of this section.



6 General Remarks

Remarks

This submittal(s) (test report) is intended for FCC ID: 2AKSEIRC-01 complies with Section 15.207, 15.247 of the FCC Part 15, Subpart C. This report is for the BLE part.

SUMMARY:

All tests according to the regulations cited on page 5 were

- Performed
- I Not Performed
- The Equipment under Test
- Fulfills the general approval requirements.

□ - **Does not** fulfill the general approval requirements.

Sample Received Date: January 5, 2017

Testing Start Date: January 6, 2017

Testing End Date:

- TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch -

January 19, 2017

Reviewed by:

Prepared by:

Peter Jia

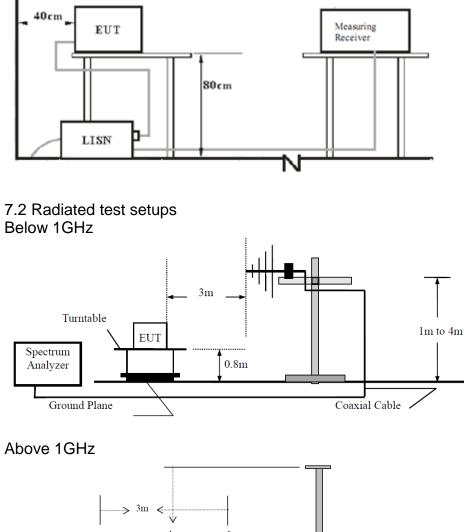
Matt Zhan

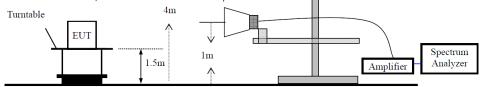




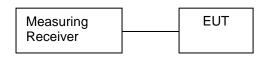
7 Test Setups

7.1 AC Power Line Conducted Emission test setups





7.3 Conducted RF test setups





8 Systems test configuration

Auxiliary Equipment Used during Test:

DESCRIPTION	MANUFACTURER	MODEL NO.(SHIELD)	S/N(LENGTH)
Mobile Phone	SAMSUNG	SAMSUNG Note2	

9 Technical Requirement

9.1 Conducted Emission

Test Method

- 1. The EUT was placed on a table, which is 0.8m above ground plane
- 2. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.).
- 3. Maximum procedure was performed to ensure EUT compliance
- 4. A EMI test receiver is used to test the emissions from both sides of AC line

Limit

Frequency	QP Limit	AV Limit
MHz	dBµV	dBµV
0.150-0.500	66-56*	56-46*
0.500-5	56	46
5-30	60	50

* Decreasing linear

Result: Not Applicable





9.2 Conducted peak output power

Test Method

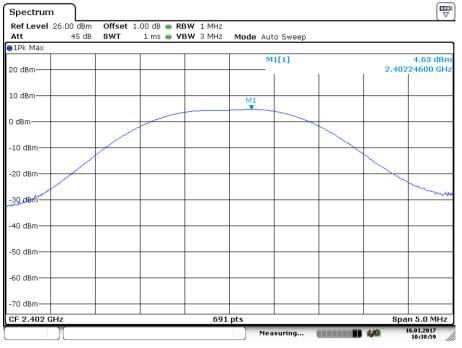
- Use the following spectrum analyzer settings: RBW > the 6 dB bandwidth of the emission being measured, VBW≥3RBW, Span≥3RBW Sweep = auto, Detector function = peak, Trace = max hold.
- 2. Add a correction factor to the display.
- 3. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. The indicated level is the peak output power.

Limits

Frequency Range	Limit	Limit
MHz	W	dBm
2400-2483.5	≤1	≤30

Test result as below table

Frequency	Conducted Peak Output Power	Result
MHz	dBm	
Low channel 2402MHz	4.63	Pass
Middle channel 2440MHz	5.10	Pass
High channel 2480MHz	4.83	Pass

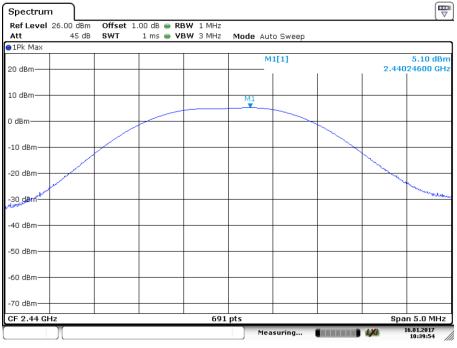


2402MHz

Date: 16.JAN.2017 10:38:59

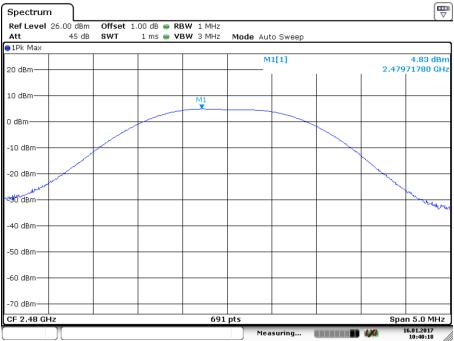


2440MHz



Date: 16.JAN.2017 10:39:54





Date: 16.JAN.2017 10:40:19



9.3 6dB bandwidth and 99% Occupied Bandwidth

Test Method

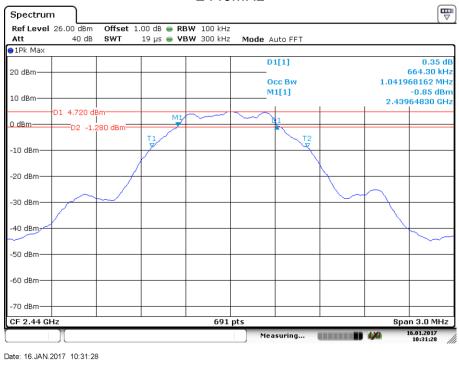
- 1. Use the following spectrum analyzer settings:
- RBW=100K, VBW≥3RBW, Sweep = auto, Detector function = peak, Trace = max hold
 Use the automatic bandwidth measurement capability of an instrument, may be employed using the X dB bandwidth mode with X set to 6 dB, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be > 6 dB
 - fundamental emission that might be \geq 6 dB.
- 3. Allow the trace to stabilize, record the X dB Bandwidth value.

Limit

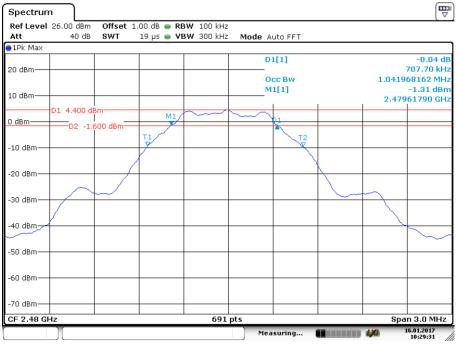
	Limit [kHz]		
-	≥50	00	-	
Test result				
Frequency MHz	6dB bandwidth kHz	99% Bandwidth kHz	Result	
	690.3	1037.626	Pass	
Top channel 2402MHz Middle channel 2440MHz	664.3	1041.968	Pass	
Bottom channel 2480MHz	707.7	1041.968	Pass	
Bottom channel 24000012	101.1	1041.900	1 835	
	2402			
	24021	VILIZ		
Spectrum Ref Level 26.00 dB	m Offset 1.00 dB 🖷 RBW 100 kHz			
Att 40		Mode Auto FFT		
● 1Pk Max		D1[1]	0.09 dB	
20 dBm			690.30 kHz	
10 -0		Occ Bw M1[1]	1.037626628 MHz -1.60 dBm	
10 dBm) dBm		2.40164400 GHz	
0 40	-1.690 dBm			
-10 dBm	T1 W			
-20 dBm				
-30 dBm	┝_/			
-40 dBm-				
~~				
-50 dBm				
-60 dBm				
-70 dBm				
CF 2.402 GHz	691 p	ts	Span 3.0 MHz	
	Measuring 16.01.2017 10:32:30			
Date: 16.JAN.2017 10:3	Date: 16.JAN.2017 10:32:30			

Report Number: 64.912.17.00059.01





2480MHz



Date: 16.JAN.2017 10:29:31

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9.4 Power spectral density

Test Method

This procedure shall be used if maximum peak conducted output power was used to demonstrate compliance:

- Set analyzer center frequency to DTS channel center frequency. RBW=3kHz,VBW≥3RBW,Span=1.5 times DTS bandwidth, Detector=Peak, Sweep=auto, Trace= max hold.
- 2. Allow trace to fully stabilize, use the peak marker function to determine the maximum amplitude level within the RBW.
- 3. Repeat above procedures until other frequencies measured were completed.

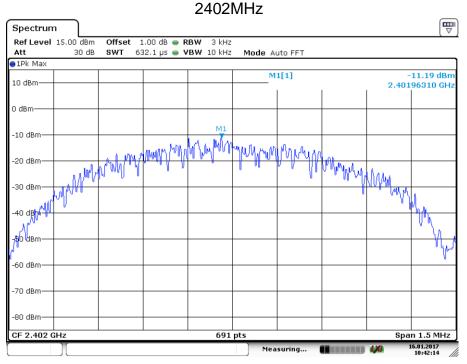
Limit

Limit [dBm]

≤8

Test result

Power spectral			
Frequency	density	Result	
MHz	dBm		
Top channel 2402MHz	-11.19	Pass	
Middle channel 2440MHz	-10.77	Pass	
Bottom channel 2480MHz	-10.62	Pass	

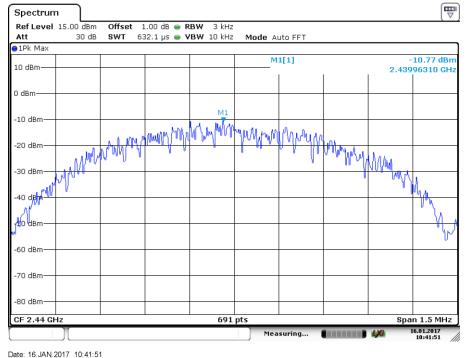


Date: 16.JAN.2017 10:42:14

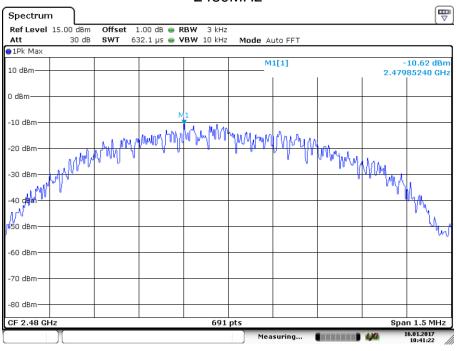
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2440MHz



2480MHz



Date: 16.JAN.2017 10:41:23



9.5 Spurious RF conducted emissions

Test Method

- 1. Establish a reference level by using the following procedure:
 - a. Set RBW=100 kHz. VBW≥3RBW. Detector =peak, Sweep time = auto couple, Trace mode = max hold.
 - b. Allow trace to fully stabilize, use the peak marker function to determine the maximum PSD level.
- 2. Use the maximum PSD level to establish the reference level.
 - a. Set the center frequency and span to encompass frequency range to be measured.
 - b. Use the peak marker function to determine the maximum amplitude level. Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) are attenuated by at least the minimum requirements, report the three highest emissions relative to the limit.
- 3. Repeat above procedures until other frequencies measured were completed.

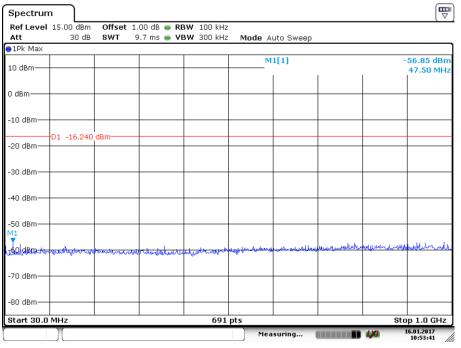
Limit

Frequency Range MHz	Limit (dBc)
30-25000	-20



Spurious RF conducted emissions

2402MHz



Date: 16.JAN.2017 10:53:41

Spect	rum											
Ref Le Att	vel 1	5.00 dB 30 d			RBW 100 VBW 300		Node A	uto Sw	еер			
∋1Pk M	ах											
10 dBm					_		M	3[1]				-49.21 dBm
Ţ								1[1]				4.8030 GHz 4.05 dBm
0 dBm								1[1]				2.4070 GHz
-10 dBr	–ר											
-20 dBm		1 -16.2	40 dBm									
-20 001	'											
-30 dBm	n——											
-40 dBm	<u>ו</u> יי		M2					<u> </u>				
FO 10		M3	Ť									
-50 dB			en anon the ser			when a	nhore	wh	m	monume	highbard	Munuun
-60-88n		نىسلىمى يەرىلى	manage while	mun	An bergen and	~~~~			· ·	· ·		
-70 dBm	1—											
-80 dBr	+ ו											
Start 1	.0 GH	z				691 pts					St	op 25.0 GHz
Marker												
Туре	Ref		X-value		Y-valı		Func	tion		Fur	nction Res	ult
M1 M2		1		07 GHz 1.2 GHz		3 dBm						
M2 M3		1		03 GHz		1 dBm						
				ee alla	1912							16.01.2017
		Л					Mea	suring.			4	10:53:03

Date: 16.JAN.2017 10:53:03

Report Number: 64.912.17.00059.01



2440MHz

Spectrun									
Ref Level Att	15.00 dBm 30 dB	Offset SWT		BW 100 kHz	Mada A	ute Curees			
1Pk Max	30 UB	3111	9.7 1115 🖶 1	BW 300 KH2	MOUE A	uto Sweep			
10 dBm					M	1[1]	1		-56.72 dBr 47.50 MH
0 dBm									
-10 dBm									
-20 dBm	D1 -15.630	dBm							
-30 dBm									
-40 dBm									
-50 dBm									
60ldBm	وبالله ومحصر المحيط	where the second	woondwhith	and a start and a start	م مى مەلەر مەلەر مەلەر مەرە مەلەر مەرە مەلەر	administration of the	- Marter Marana	-though-milian	unhow
-70 dBm									
-80 dBm									<u> </u>
Start 30.0	MHz	·		691	ots	·		St	op 1.0 GHz
					Mea	suring		170	16.01.2017 10:52:02

Date: 16.JAN.2017 10:52:03

Spect	rum									
Ref Le Att	vel 1	5.00 di. 30			3W 100 kHz 3W 300 kHz	Mode	Auto Sw	вер		
⊖1Pk M	ax									
10 dBm	_						43[1]			-47.81 dBm 7.3040 GHz
0 dBm						T	41[1]			4.52 dBm 2.4410 GHz
-10 dB1										
-20 dB1		1 -15.0	530 dBm							
-30 dB1	n									
-40 dB1	n	M2	M3							
-50 dBn -60'dBn	1	um		Uhraphyranaet	when	warn	hurr	maderna	norm	monum
-70 dBn										
-80 dBn	n									
Start 1	.0 GH	z			691	pts			Sto	p 25.0 GHz
Marker										
Туре	Ref		X-value		Y-value		ction	Fu	nction Resul	t
M1 M2		1	2.441		4.52 dBr -48.95 dBr					
M2 M3		1	7.304		-47.81 dBr					
						Me	asuring.		. <i>430</i>	16.01.2017 10:51:31

Date: 16.JAN.2017 10:51:31

Report Number: 64.912.17.00059.01



2480MHz

Spectrum	. L	10	04	1.00	ID -		100 1					
Ref Level Att		dBm)dB	Offset SWT				100 kH ' 300 kH	z z Mode A	uto Sweep			
1Pk Max						-			1[1]			-56.05 dBr
LO dBm						+		M	1		1	941.70 MH
) dBm				_		_						
10 dBm		_				_						
20 dBm	D1 -15	.910 c	lBm									
30 dBm		-		-		+						
40 dBm						-						_
50 dBm		-		+								M1
60ldBm-t+	MAR CONTRACT	Male More		return	toythere	10 -	HUNDRAM	ىد ايك <mark>ار بىما يەسىلىر.</mark> م	y you this with the second	abour mounde	and the property of the second	طول شرولو بالمراد بالم
70 dBm—		_				-						
80 dBm		-		_		_						
t							601	late			\$	Stop 1.0 GHz
e: 16.JAN.2	2017 10	:50:19						L pts	osuring			16.01.2017 10:50:19
te: 16.JAN.2 Spectrum Ref Level	2017 10	dBm					100 kH	Mea				16.01.2017 10:50:19
te: 16.JAN.2 Spectrum Ref Level Att 1Pk Max	2017 10		Offset SWT					Z Z Z Mode A	uto Sweep			16.01.2017 10:50:19
te: 16.JAN.2 Spectrum Ref Level Att 1Pk Max 0 dBm	2017 10	dBm					100 kH	Z Z Z Mode A				16.01.2017 10:50:19
te: 16.JAN.2 Spectrum Ref Level Att 1Pk Max 0 dBm	2017 10	dBm					100 kH	Z Z Mode A	uto Sweep			16.01.2017 10:50:19 -46.90 dBr 4.9768 GH 4.09 dBr
te: 16.JAN.2 Spectrum Ref Level Att 1Pk Max	2017 10	dBm					100 kH	Z Z Mode A	uto Sweep 2[1]			16.01.2017
te: 16.JAN.2 Spectrum Ref Level Att 1Pk Max 0 dBm 10 dBm 10 dBm	2017 10	dBm) dB	SWT				100 kH	Z Z Mode A	uto Sweep 2[1]			16.01.2017 10:50:19 ↓ -46.90 dBr 4.9768 GH 4.09 dBr
te: 16.JAN.2 Spectrum Ref Level Att 1Pk Max 0 dBm 10 dBm 10 dBm	2017 10 15.00 i 30	dBm) dB	SWT				100 kH	Z Z Mode A	uto Sweep 2[1]			16.01.2017 10:50:19 ↓ -46.90 dBr 4.9768 GH 4.09 dBr
te: 16.JAN.2 Spectrun Ref Level Att 1Pk Max 0 dBm 10 dBm 20 dBm 20 dBm	2017 10 2017 10 15.00 30 -01 -15	dBm) dB .910 c	SWT				100 kH	Z Z Mode A	uto Sweep 2[1]			16.01.2017 10:50:19 -46.90 dBr 4.9768 GH 4.09 dBr
te: 16.JAN.2 Spectrun Ref Level Att 1Pk Max 0 dBm 10 dBm 20 dBm 30 dBm 30 dBm	2017 10 2017 10 15.00 30 -01 -15	dBm) dB	SWT				100 kH	Z Z Mode A	uto Sweep 2[1] 1[1]			-46.90 dBr 4.9768 GH 2.4760 GH
te: 16.JAN 2 Spectrun Ref Level Att 1Pk Max 0 dBm 10 dBm 10 dBm 20 dBm 30 dBm 40 dBm	2017 10 2017 10 15.00 30 -01 -15	dBm) dB .910 c	SWT				100 kH	Z Z Mode A	uto Sweep 2[1] 1[1]			16.91.2017 10:50:19 -46.90 dBr 4.9768 GH 4.09 dBr 2.4760 GH
te: 16.JAN 2 Spectrum Ref Level Att 1Pk Max 0 dBm 10 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm	2017 10 2017 10 15.00 30 -01 -15	dBm) dB .910 c	SWT				100 kH	Z Z Mode A	uto Sweep 2[1] 1[1]			16.91.2017 10:50:19 -46.90 dBr 4.9768 GH 4.09 dBr 2.4760 GH
te: 16.JAN 2 Spectrum Ref Level Att 1Pk Max 0 dBm 10 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 50 dBm	2017 10 2017 10 15.00 30 -01 -15	dBm) dB .910 c	SWT				100 kH	Z Z Mode A	uto Sweep 2[1] 1[1]			16.01.2017 10:50:19 ↓ -46.90 dBr 4.9768 GH 4.09 dBr

Date: 16.JAN.2017 10:49:42

SUD

9.6 Band edge

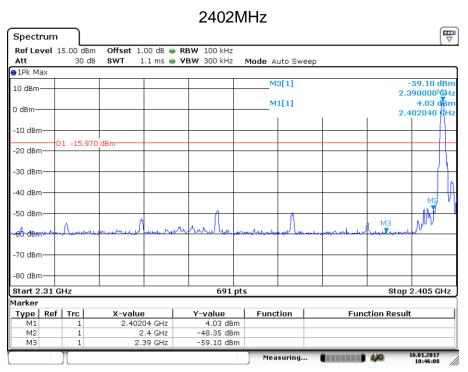
Test Method

- 1 Use the following spectrum analyzer settings:
 - Span = wide enough to capture the peak level of the in-band emission and all spurious RBW = 100 kHz, VBW \geq RBW, Sweep = auto, Detector function = peak, Trace = max hold.
- 2 Allow the trace to stabilize, use the peak and delta measurement to record the result.
- 3 The level displayed must comply with the limit specified in this Section.

Limit

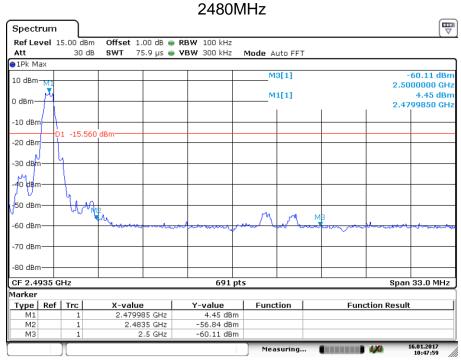
In any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in 15.209(a) (see Section 15.205(c)).

Test result



Date: 16.JAN.2017 10:46:08

Band edge



Date: 16.JAN.2017 10:47:59





9.7 Spurious radiated emissions for transmitter

Test Method

1: The EUT was place on a turn table which is 1.5m above ground plane for above 1GHz and 0.8m above ground for below 1GHz at 3-meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

2: The EUT was set 3 meters away from the interference – receiving antenna, which was mounted on the top of a variable – height antenna tower.

3: The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

4: For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

5: Use the following spectrum analyzer settings According to C63.10:

For Above 1GHz

Span = wide enough to capture the peak level of the in-band emission and all spurious RBW = 1MHz, VBW≥RBW for peak measurement and VBW = 10Hz for average

measurement, Sweep = auto, Detector function = peak, Trace = max hold.

For Below 1GHz

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious RBW = 100 KHz, VBW≥RBW for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.

Note:

1: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 KHz for Quasi-peak detection (QP) at frequency below 1GHz.

2: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for peak detection (PK) at frequency above 1GHz.

3: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average ((duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor (20log(1/duty cycle)).

4: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (duty cycle > 98%) for Average detection (AV) at frequency above 1GHz.



Limit

The radio emission outside the operating frequency band shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power. Radiated emissions which fall in the restricted bands, as defined in section15.205, must comply with the radiated emission limits specified in section 15.209.

Field Strength	Field Strength	Detector	
uV/m	dBµV/m		
100	40	QP	
150	43.5	QP	
200	46	QP	
500	54	QP	
500	54	AV	
5000	74	PK	
	uV/m 100 150 200 500 500	uV/mdBμV/m1004015043.5200465005450054	



Spurious radiated emissions for transmitter

According to C63.10, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement, so AV emission value did not show in below table if the peak value complies with average limit.

Transmitting spurious emission test result as below:

2402MHz (30M	Hz – 1GHz)					
	Frequency	Emission Level	Polarization	Limit	Detector	Result
	MHz	dBuV/m		dBµV/m		
	839.62	23.76	Horizontal	46.00	QP	Pass
	204.97	28.19	Vertical	43.50	QP	Pass
2402MHz (Abo	ve 1GHz)					
	Frequency	Emission Level	Polarization	Limit	Detector	Result
	MHz	dBuV/m		dBµV/m		
	4803.28	41.86	Horizontal	74.00	PK	Pass
	4803.28	36.44	Vertical	74.00	PK	Pass
2440MHz (Abo	ve 1GHz)					
2440MHz (Abo	ve 1GHz) Frequency	Emission Level	Polarization	Limit	Detector	Result
2440MHz (Abo	,		Polarization	Limit dBµV/m	Detector	Result
2440MHz (Abo	Frequency MHz 4879.21	Level dBuV/m 38.14	Horizontal		PK	Result Pass
2440MHz (Abo	Frequency MHz	Level dBuV/m		dBµV/m		
2440MHz (Abo 2480MHz (Abo	Frequency MHz 4879.21 4880.15	Level dBuV/m 38.14 40.49	Horizontal	dBμV/m 74	PK	Pass
	Frequency MHz 4879.21 4880.15	Level dBuV/m 38.14	Horizontal	dBμV/m 74	PK	Pass
	Frequency MHz 4879.21 4880.15 ve 1GHz)	Level dBuV/m 38.14 40.49 Emission	Horizontal Vertical	dBμV/m 74 74	PK PK	Pass Pass
	Frequency MHz 4879.21 4880.15 Ve 1GHz) Frequency MHz 4959.37	Level dBuV/m 38.14 40.49 Emission Level	Horizontal Vertical Polarization Horizontal	dBµV/m 74 74 Limit	PK PK	Pass Pass
	Frequency MHz 4879.21 4880.15 Ve 1GHz) Frequency MHz	Level dBuV/m 38.14 40.49 Emission Level dBuV/m	Horizontal Vertical Polarization	dBµV/m 74 74 Limit dBµV/m	PK PK Detector	Pass Pass Result

10 Test Equipment List

List of Test Instruments

	DESCRIPTION	MANUFACTURE R	MODEL NO.	SERIAL NO.	CAL. DUE DATE
	Signal Generator	Rohde & Schwarz	SMB100A	108272	2017-7-24
	Signal Analyzer	Rohde & Schwarz	FSV40	101030	2017-7-24
	Vector Signal Generator	Rohde & Schwarz	SMU 200A	105324	2017-7-24
С	RF Switch Module	Rohde & Schwarz	OSP120/OSP- B157	101226/10085 1	2017-7-24
	Test software	Rohde & Schwarz	EMC32	Version 9.22.00	N/A
	EMI Test Receiver	Rohde & Schwarz	ESR 3	101782	2017-7-15
	LISN	Rohde & Schwarz	ENV216	100326	2017-7-15
	Signal Analyzer	Rohde & Schwarz	FSV40	101031	2017-8-17
	Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9163	708	2017-8-17
	Horn Antenna	Rohde & Schwarz	HF907	102295	2017-8-17
RE	Wideband Horn Antenna	Q-PAR	QWH-SL-18- 40-K-SG	12827	2017-8-17
	Pre-amplifier	Rohde & Schwarz	SCU 18	102230	2017-8-17
	Pre-amplifier	Rohde & Schwarz	SCU 40A	100432	2017-8-17
	Fully Anechoic Chamber	TDK	8X4X4		2019-8-29

C - Conducted RF tests

- Conducted peak output power
- 6dB bandwidth
- Power spectral density*
- Spurious RF conducted emissions
- Band edge
- Conducted emission AC power port

RE - Radiated RF tests

• Spurious radiated emissions for transmitter





11 System Measurement Uncertainty

For a 95% confidence level, the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 were:

System Measurement Uncertainty							
Items	Extended Uncertainty						
Uncertainty for Radiated Emission in 3m chamber	Horizontal: 4.83dB;						
30MHz-1000MHz	Vertical: 4.91dB;						
Uncertainty for Radiated Emission in 3m chamber	Horizontal: 4.89dB;						
1000MHz-18000MHz	Vertical: 4.88dB;						
Uncertainty for Conducted RF test	2.04dB						