FCC RADIO TEST REPORT
FCC ID: 2AISASOLA1106025478

Product：	z-wave infrared converter
Trade Name：	N/A
Model Name：	SLCI0-031F
Serial Model：	SLCI0-041F, SLCI0-051F, SLCI0-061F, SLCI0-071F, SLCI0-081F, SLCI0-032F, SLCI0-042F, SLCI0-052F, SLCI0-062F, SLCI0-072F, SLCI0-082F
Report No.：	NTEK- 2016NT05185850F

Prepared for

Shenzhen Berker Intelligent Technology Co., Ltd.

Block A 16 F, Guangdong Business Center, No.8 East
Ring 2nd Road, Longhua Street, Longhua New District, Shenzhen, China.

Prepared by

Shenzhen NTEK Testing Technology Co., Ltd.

1/F, Building E, Fenda Science Park, Sanwei Community,Xixiang Street
Bao'an District, Shenzhen P.R. China
Tel.: +86-0755-61156588 Fax.: +86-0755-61156599
Website:www.ntek.org.cn

TEST RESULT CERTIFICATION

Applicant's name	Shenzhen Berker Intelligent Technology Co., Ltd.
Address	Block A 16 F, Guangdong Business Center, No.8 East Ring 2nd Road, Longhua Street, Longhua New District, Shenzhen, China.
Manufacture's Name	Shenzhen Berker Intelligent Technology Co., Ltd.
Address	Block A 16 F, Guangdong Business Center, No.8 East Ring 2nd Road, Longhua Street, Longhua New District, Shenzhen, China.

Product description

Product name	z-wave infrared converter
Model and/or type reference	SLCI0-031F
Serial Model：	SLCI0-041F, SLCI0-051F, SLCI0-061F, SLCI0-071F, SLCI0-081F, SLCI0-032F, SLCI0-042F, SLCI0-052F, SLCI0-062F, SLCI0-072F, SLCI0-082F
Rating(s)	DC 5V
Standards	FCC Part15.249 01 Oct. 2015
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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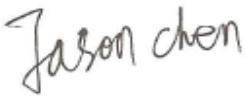
Date of Test

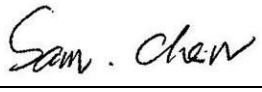
Date (s) of performance of tests	18 May. 2016 ~03 Jun. 2016
Date of Issue	03 Jun. 2016
Test Result	**Pass**

Testing Engineer : 

(Allen Liu)

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	Radiated Spurious Emission	Pass	
15.205	Band Edge Emission	Pass	
15.249	Occupied Bandwidth	Pass	

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 FRN Registration No.:238937; 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	z-wave infrared converter
Trade Name	N/A
Model Name	SLCI0-031F
Serial Model	SLCI0-041F, SLCI0-051F, SLCI0-061F, SLCI0-071F, SLCI0-081F, SLC I0-032F, SLCI0-042F, SLCI0-052F, SLCI0-062F, SLCI0-072F, SLCI0-082F
Model Difference	All the model are the same circuit and RF module, except the model No. and colour.
Product Description	The EUT is a z-wave infrared converter Operation Frequency: 908.4MHz Modulation Type: FSK Antenna Designation: Wire Antenna Antenna Gain(Peak) -2dBi Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an 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	Model: YTH050-100-US Input: 100-240V~, 50/60Hz, 0.2A Output: 5.0V⎓1000mA
Battery	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)
01	908.4

3.

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	N/A	N/A	Wire Antenna	N/A	-2	Antenna

2.2 DESCRIPTION OF TEST MODES

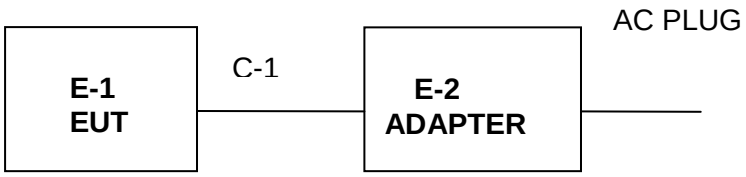
To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	CH 01

Note:

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

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



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
E-1	z-wave infrared converter	N/A	SLCI0-031F	N/A	EUT
E-2	Adapter	N/A	YTH050-100-US		

Item	Cable Type	Shielded Type	Ferrite Core	Length	Note
C-1	USB Cable	NO	NO	0.8m	

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.	Calibrated until
1	Spectrum Analyzer	Agilent	E4407B	160400005	Jul. 06. 2016
2	Test Receiver	R&S	ESPI	101318	Jul. 06. 2016
3	Bilog Antenna	TESEQ	CBL6111D	31216	Jul. 06. 2016
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264416	Jul. 06. 2016
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	Jul. 06. 2016
6	Horn Antenna	EM	EM-AH-10180	2011071402	Jul. 06. 2016
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	Jul. 06. 2016
8	Amplifier	EM	EM-30180	060538	Jul. 06. 2016
9	Loop Antenna	ARA	PLA-1030/B	1029	Jul. 06. 2016
10	Power Meter	R&S	NRVS	100696	Jul. 06. 2016

Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Test Receiver	R&S	ESCI	101160	Jul. 06. 2016
2	LISN	R&S	ENV216	101313	Jul. 06. 2016
3	LISN	EMCO	3816/2	00042990	Jul. 06. 2016
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264417	Jul. 06. 2016
5	Passive Voltage Probe	R&S	ESH2-Z3	100196	Jul. 06. 2016
6	Absorbing clamp	R&S	MOS-21	100423	Jul. 06. 2016

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 antenna. 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 A (dBuV)		Class B (dBuV)		Standard
	Quasi-peak	Average	Quasi-peak	Average	
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 *	FCC
0.50 -5.0			56.00	46.00	FCC
5.0 -30.0			60.00	50.00	FCC

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

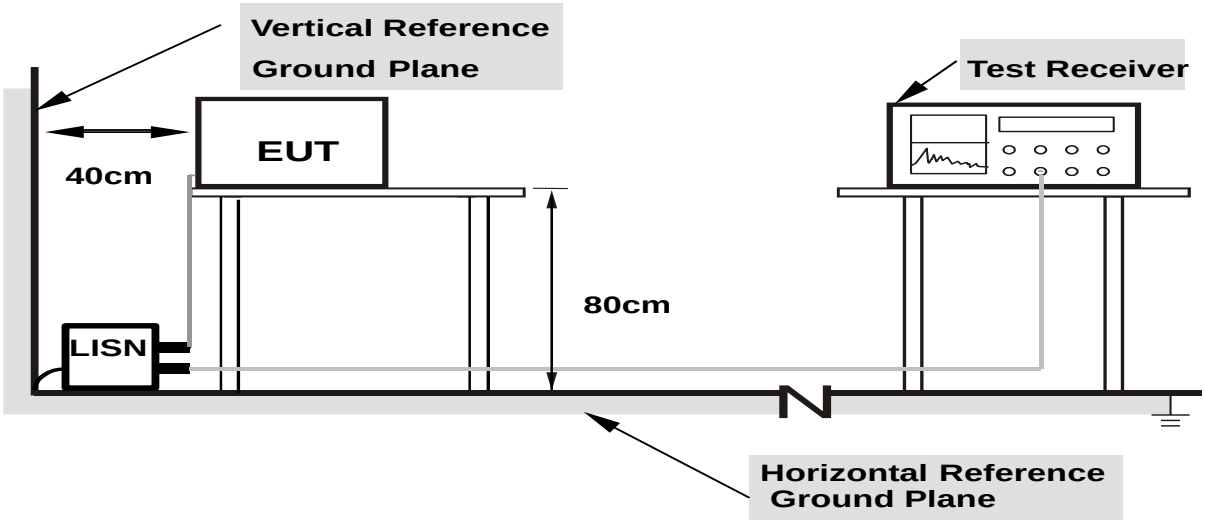
3.3.2 TEST PROCEDURE

a. The EUT was placed 0.4 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.

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

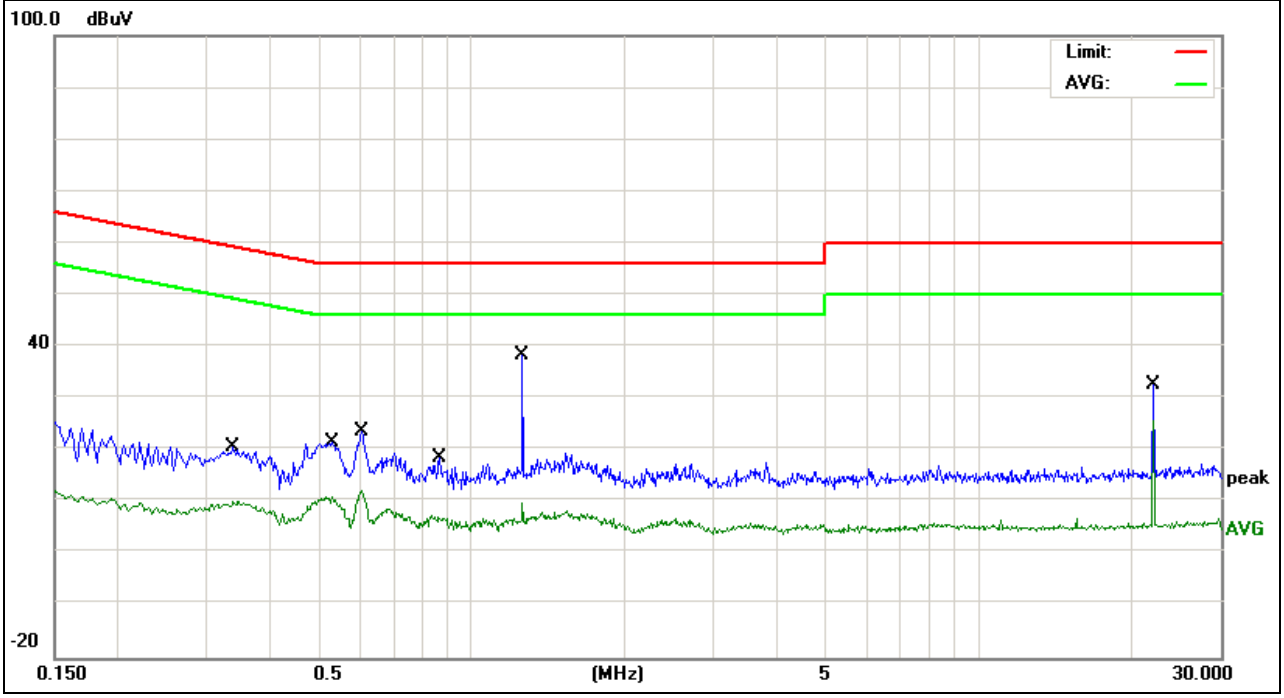
3.2.5 TEST RESULT

EUT：	z-wave infrared converter	Model Name. ：	SLCI0-031F
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 5V for Adapter AC120V/60Hz	Test Mode：	Mode 1

Frequency (MHz)	Reading Level (dBμV)	Correct Factor (dB)	Measure-ment (dBμV)	Limits (dBμV)	Margin (dB)	Remark
0.3379	10.51	10.1	20.61	59.25	-38.64	QP
0.3379	2.92	10.1	13.02	49.25	-36.23	AVG
0.5299	11.87	9.8	21.67	56	-34.33	QP
0.5299	0.35	9.8	10.15	46	-35.85	AVG
0.6058	13.78	9.79	23.57	56	-32.43	QP
0.6058	0.66	9.79	10.45	46	-35.55	AVG
0.8659	8.64	9.82	18.46	56	-37.54	QP
0.8659	1.4	9.82	11.22	46	-34.78	AVG
1.2579	28.64	9.82	38.46	56	-17.54	QP
1.2579	10.2	9.82	20.02	46	-25.98	AVG
22.1219	22.56	9.96	32.52	60	-27.48	QP
22.1219	12.16	9.96	22.12	50	-27.88	AVG

Remark:

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

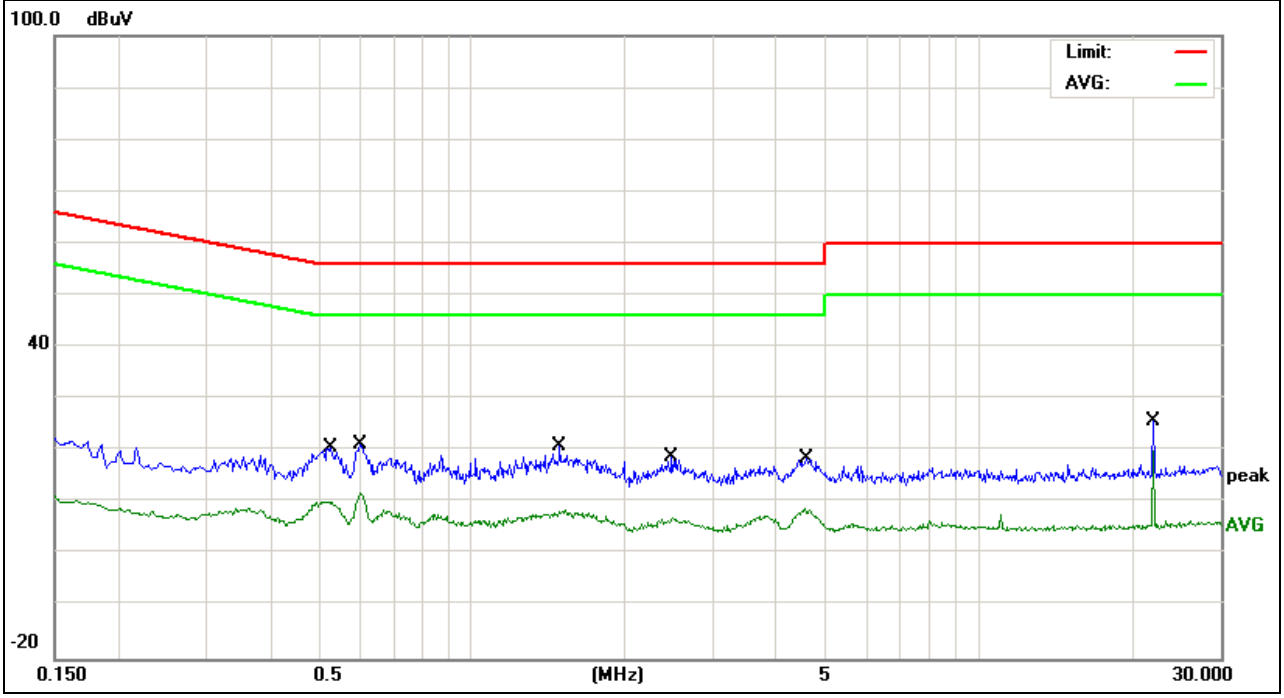


EUT：	z-wave infrared converter	Model Name. ：	SLCI0-031F
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 5V for Adapter AC120V/60Hz	Test Mode：	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.526	10.76	9.82	20.58	56	-35.42	QP
0.526	1.2	9.82	11.02	46	-34.98	AVG
0.602	11.41	9.81	21.22	56	-34.78	QP
0.602	3.63	9.81	13.44	46	-32.56	AVG
1.494	11.24	9.81	21.05	56	-34.95	QP
1.494	0.44	9.81	10.25	46	-35.75	AVG
2.4739	9.18	9.74	18.92	56	-37.08	QP
2.4739	1.67	9.74	11.41	46	-34.59	AVG
4.5539	8.75	9.72	18.47	56	-37.53	QP
4.5539	0.61	9.72	10.33	46	-35.67	AVG
22.122	15.91	9.94	25.85	60	-34.15	QP
22.122	1.53	9.94	11.47	50	-38.53	AVG

Remark:

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

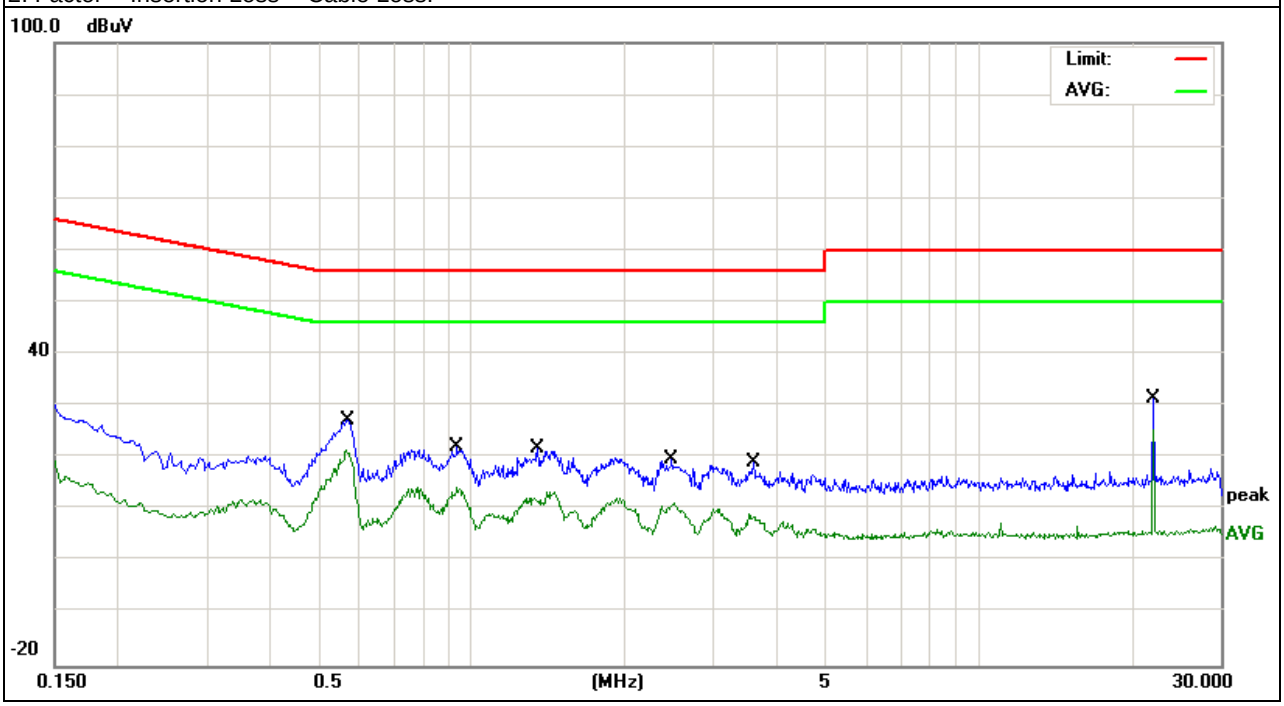


EUT：	z-wave infrared converter	Model Name. ：	SLCI0-031F
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 5V for Adapter AC 240V/50Hz	Test Mode：	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.57	17.37	9.79	27.16	56	-28.84	QP
0.57	8.23	9.79	18.02	46	-27.98	AVG
0.934	12.39	9.83	22.22	56	-33.78	QP
0.934	5.5	9.83	15.33	46	-30.67	AVG
1.346	12.1	9.81	21.91	56	-34.09	QP
1.346	6.64	9.81	16.45	46	-29.55	AVG
2.4739	9.93	9.73	19.66	56	-36.34	QP
2.4739	1.49	9.73	11.22	46	-34.78	AVG
3.586	9.27	9.75	19.02	56	-36.98	QP
3.586	0.27	9.75	10.02	46	-35.98	AVG
22.122	21.54	9.96	31.5	60	-28.5	QP
22.122	13.69	9.96	23.65	50	-26.35	AVG

Remark:

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

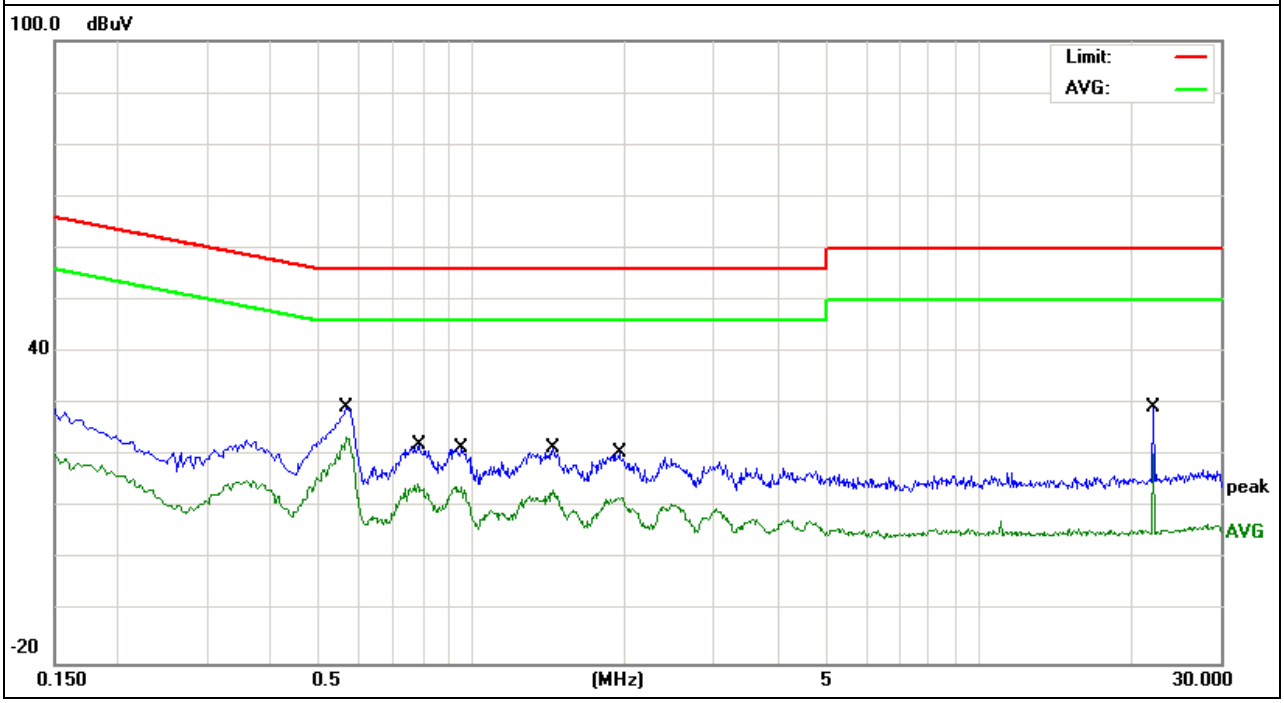


EUT：	z-wave infrared converter	Model Name. ：	SLCI0-031F
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 5V for Adapter AC 240V/50Hz	Test Mode：	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.566	19.38	9.82	29.2	56	-26.8	QP
0.566	10.2	9.82	20.02	46	-25.98	AVG
0.786	12.21	9.83	22.04	56	-33.96	QP
0.786	3.69	9.83	13.52	46	-32.48	AVG
0.954	11.59	9.86	21.45	56	-34.55	QP
0.954	6.66	9.86	16.52	46	-29.48	AVG
1.446	11.64	9.82	21.46	56	-34.54	QP
1.446	5.2	9.82	15.02	46	-30.98	AVG
1.958	10.89	9.76	20.65	56	-35.35	QP
1.958	4.36	9.76	14.12	46	-31.88	AVG
22.122	19.45	9.94	29.39	60	-30.61	QP
22.122	8.61	9.94	18.55	50	-31.45	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)
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

3.4.2 TEST PROCEDURE

a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz and above 1GHz,
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 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 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:

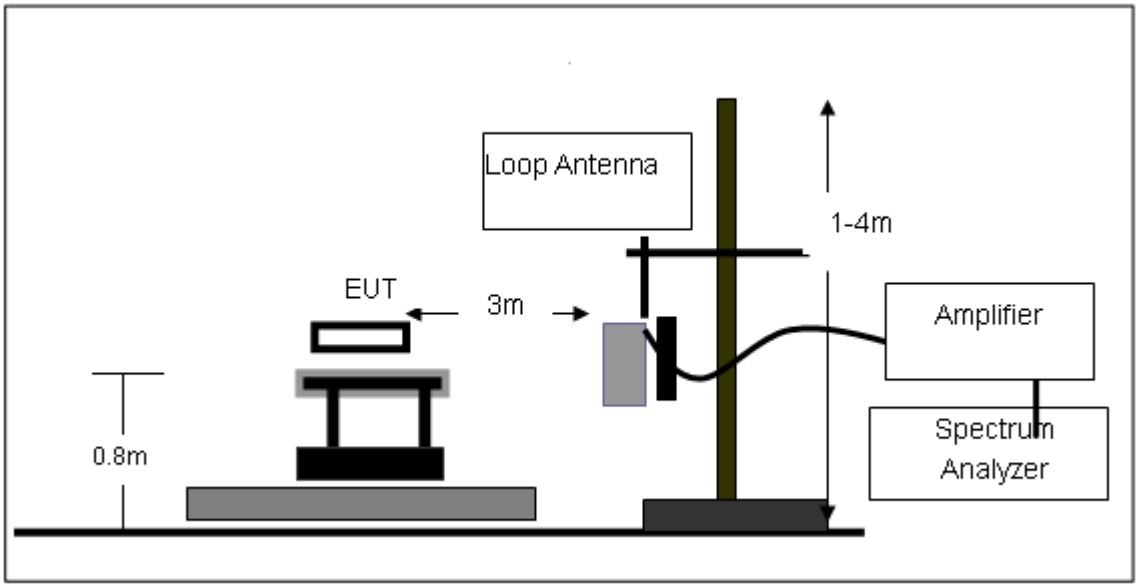
Both horizontal and vertical antenna polarities were tested
and performed pretest to three orthogonal axis. The worst case emissions were reported

3.4.3 DEVIATION FROM TEST STANDARD

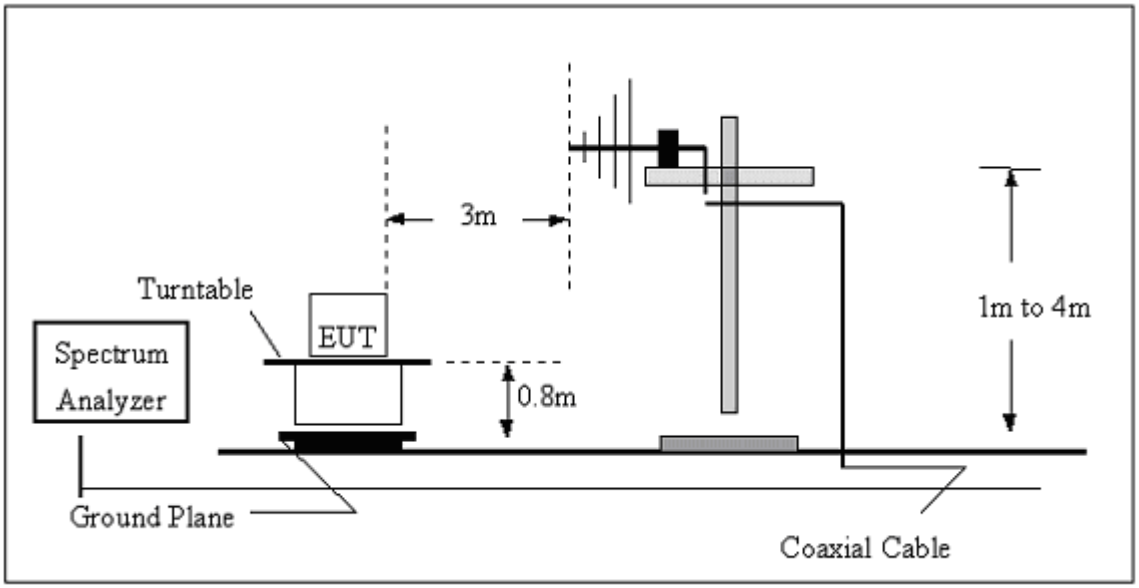
No deviation

3.4.4 TEST SETUP

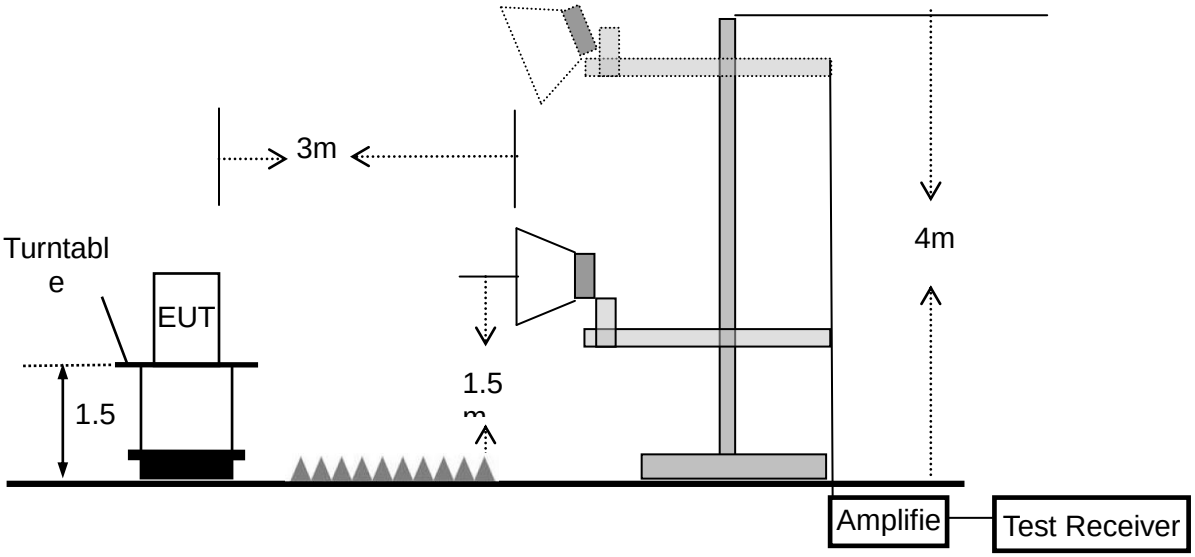
（A）Radiated Emission Test-Up Frequency Below 30MHz



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



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



3.4.5 TEST RESULTS (BLOW 30MHz)

EUT：	z-wave infrared converter	Model Name. ：	SLCI0-031F
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V
Test Mode ：	N/A	Polarization :	--

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

NOTE:

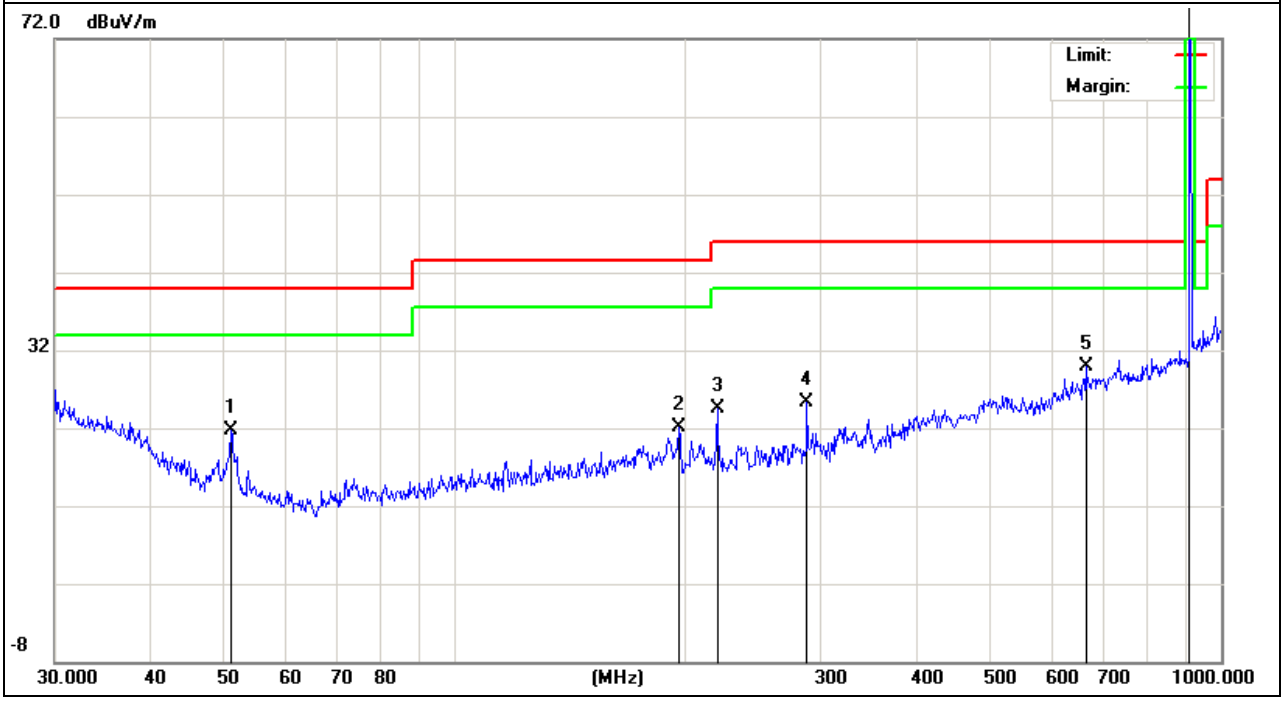
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
Distance extrapolation factor =20 log (specific distance/test distance)(dB);
Limit line = specific limits(dBuv) + distance extrapolation factor.

3.4.6 TEST RESULTS (BETWEEN 30 – 1000 MHZ)

EUT：	z-wave infrared converter	Model Name ：	SLCI0-031F
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V for Adapter AC 120V/60Hz
Test Mode ：	Mode 1	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
50.9417	11.83	9.92	21.75	40.00	-18.25	QP
195.8214	9.37	12.70	22.07	43.50	-21.43	QP
219.8446	12.35	12.12	24.47	46.00	-21.53	QP
287.9904	11.87	13.35	25.22	46.00	-20.78	QP
665.8034	7.86	22.00	29.86	46.00	-16.14	QP
908.6499	58.25	25.85	84.10	94.00	-9.90	QP

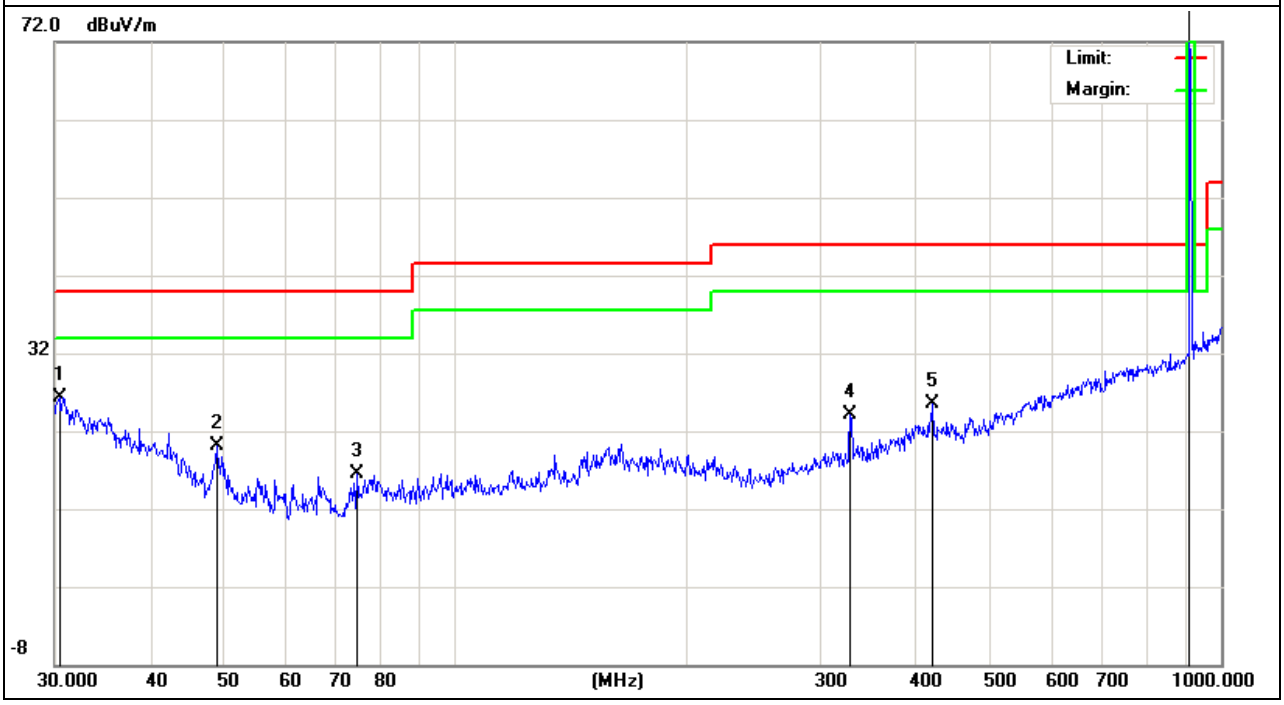
Remark:
1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	z-wave infrared converter	Model Name ：	SLCI0-031F
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V for Adapter AC 120V/60Hz
Test Mode ：	Mode 1	Polarization：	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
30.4237	6.30	20.09	26.39	40.00	-13.61	QP
48.8429	9.71	10.42	20.13	40.00	-19.87	QP
74.3953	5.94	10.65	16.59	40.00	-23.41	QP
327.8872	9.20	14.83	24.03	46.00	-21.97	QP
420.5803	9.59	15.98	25.57	46.00	-20.43	QP
908.6499	57.42	25.85	83.27	94.00	-10.73	QP

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

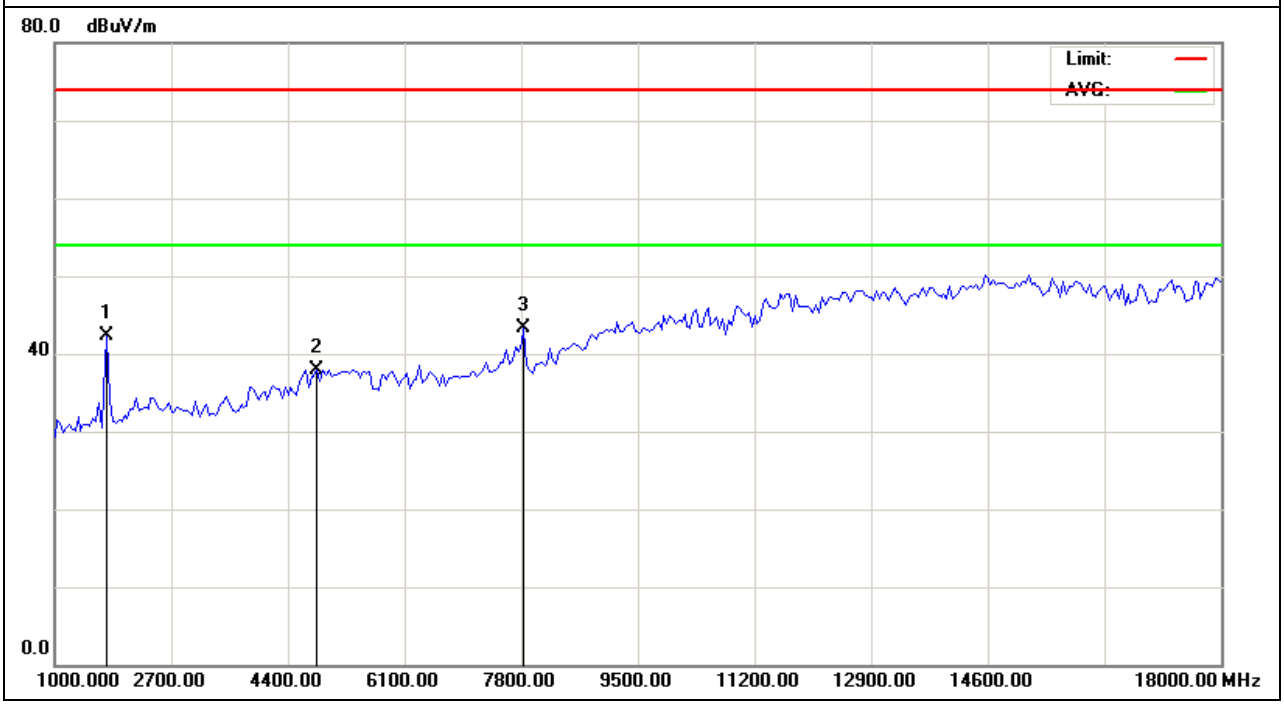


3.4.7 TEST RESULTS (ABOVE 1000 MHZ)

EUT：	z-wave infrared converter	Model Name ：	SLCI0-031F
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V for Adapter AC 120V/60Hz
Test Mode ：	Mode 1	Polarization：	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1765.000	54.02	-11.62	42.40	74.00	-31.60	peak
4825.000	37.53	0.47	38.00	74.00	-36.00	peak
7842.500	42.17	1.13	43.30	74.00	-30.70	peak

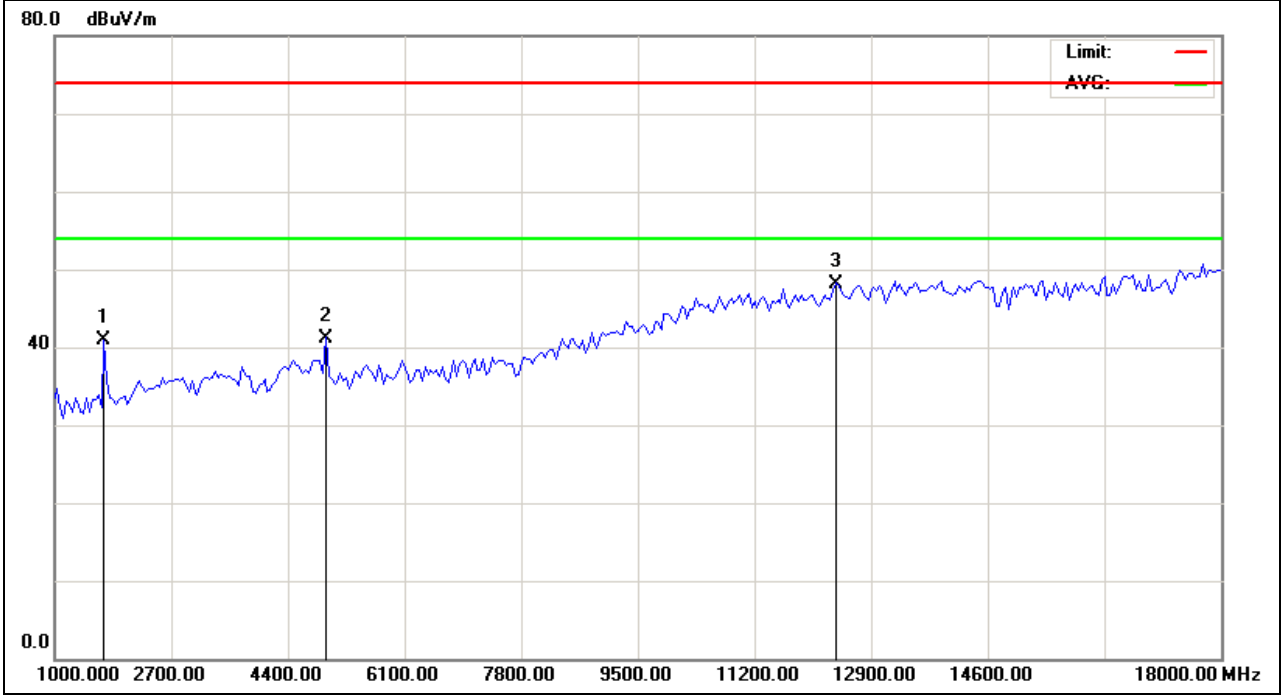
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	z-wave infrared converter	Model Name ：	SLCI0-031F
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V for Adapter AC 120V/60Hz
Test Mode ：	Mode 1	Polarization：	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1722.500	52.55	-11.55	41.00	74.00	-33.00	peak
4952.500	40.79	0.41	41.20	74.00	-32.80	peak
12390.000	39.53	8.67	48.20	74.00	-25.80	peak

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



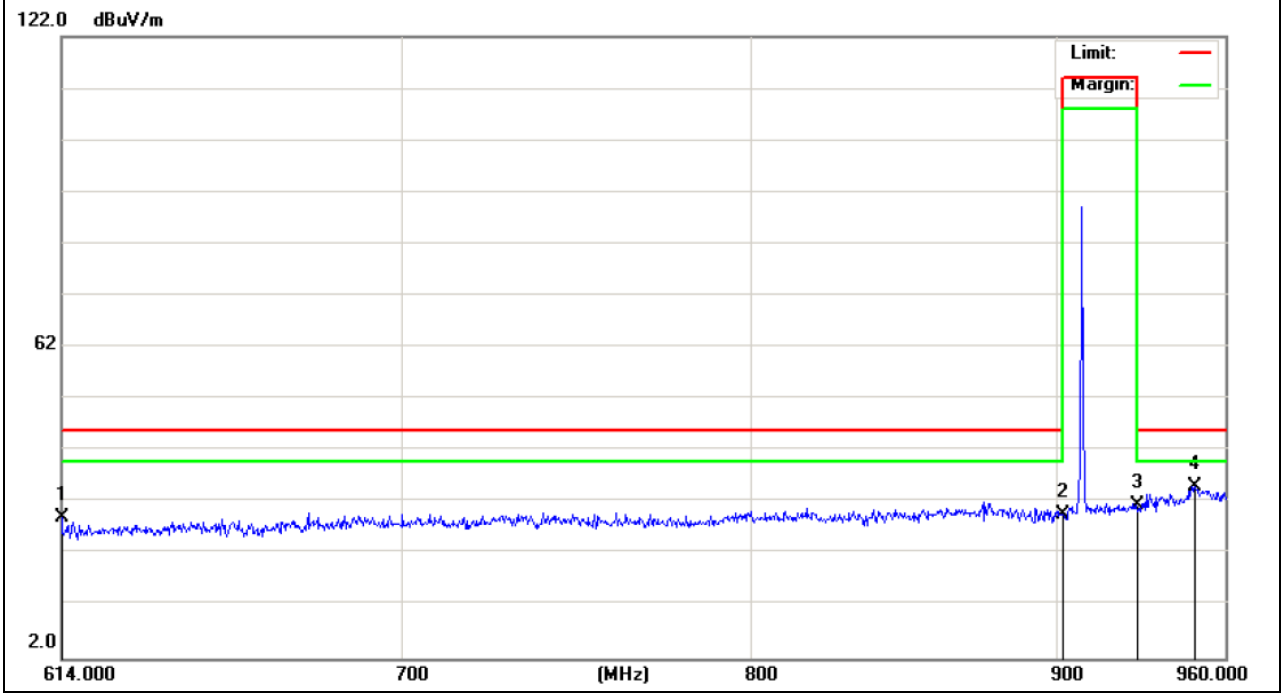
Note: EUT Pre-scan X/Y/Z orientation, only worst case is presented in the report(X orientation).

3.4.8 TEST RESULTS (RESTRICTED BANDS REQUIREMENTS)

EUT：	z-wave infrared converter	Model Name ：	SLCI0-031F
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V for Adapter AC 120V/60Hz
Test Mode ：	Mode 1	Polarization：	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
614.0000	6.97	19.82	26.79	46.00	-19.21	peak
902.0000	5.53	24.16	29.69	46.00	-16.31	peak
928.0000	6.51	25.29	31.80	46.00	-14.20	peak
948.4850	6.92	26.13	33.05	46.00	-12.95	peak

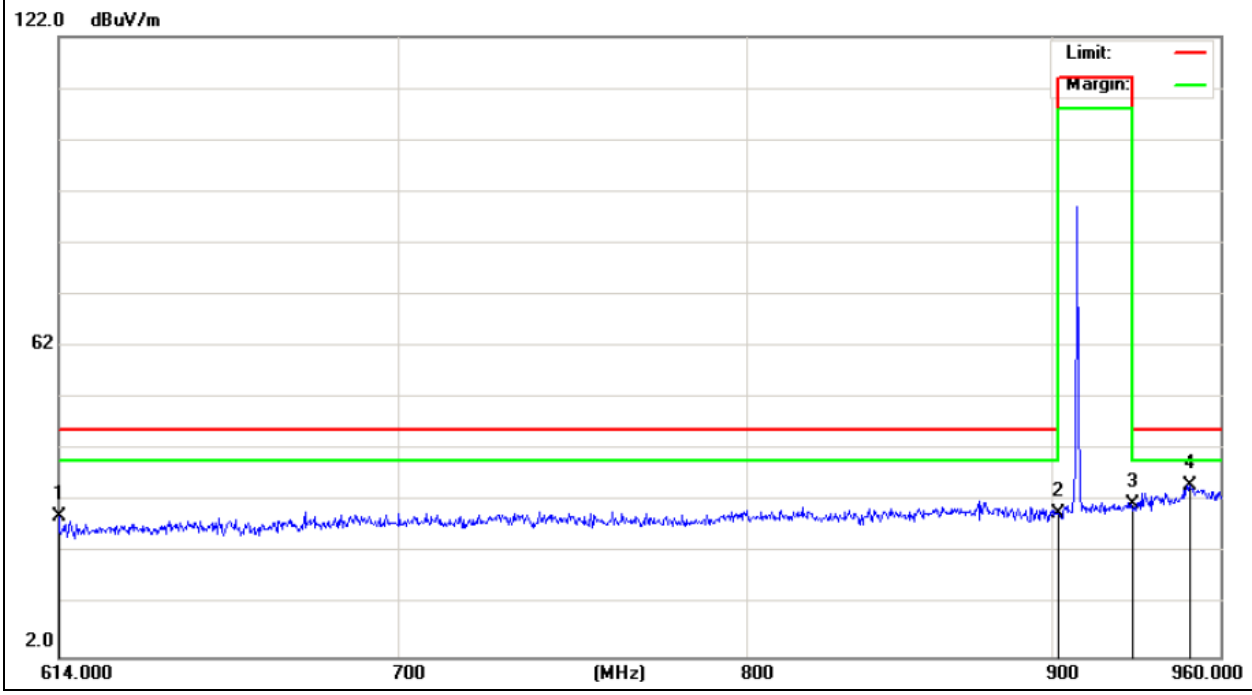
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	z-wave infrared converter	Model Name ：	SLCI0-031F
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V for Adapter AC 120V/60Hz
Test Mode ：	Mode 1	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
614.0000	9.37	19.82	29.19	46.00	-16.81	peak
902.0000	5.55	24.16	29.71	46.00	-16.29	peak
928.0000	6.12	25.29	31.41	46.00	-14.59	peak
948.9089	9.05	26.14	35.19	46.00	-10.81	peak

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



4. BANDWIDTH TEST

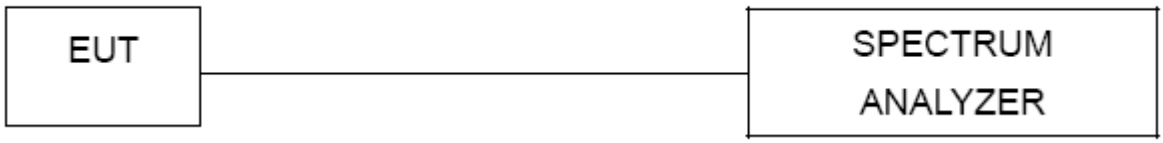
4.1 TEST PROCEDURE

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

4.2 DEVIATION FROM STANDARD

No deviation.

4.3 TEST SETUP

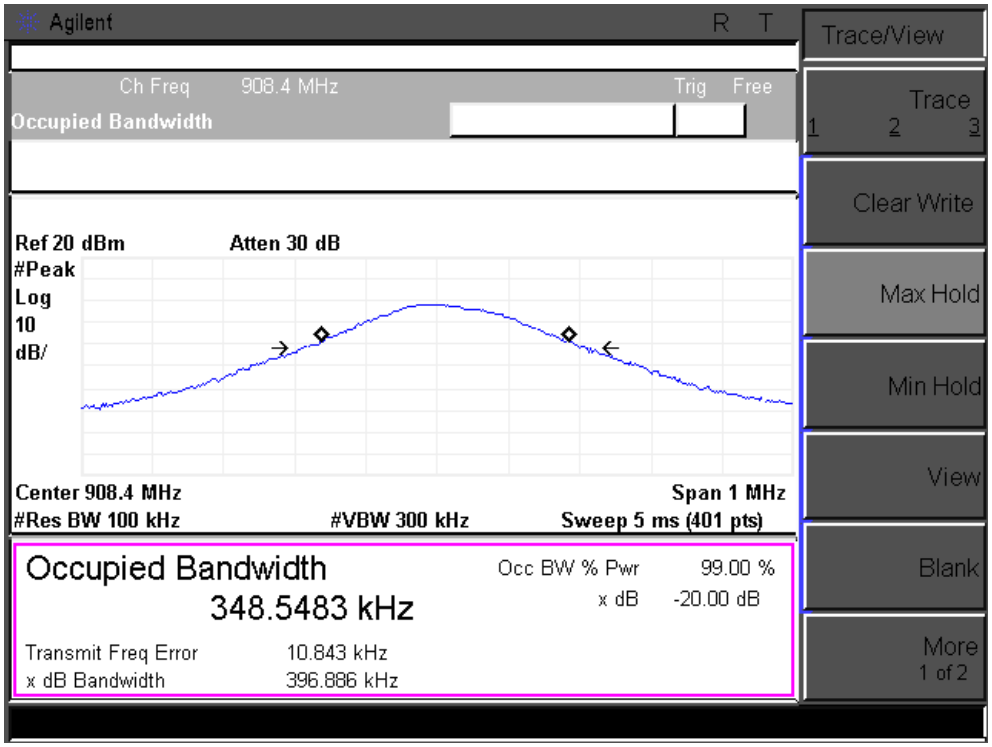


4.4 TEST RESULTS

EUT：	z-wave infrared converter	Model Name ：	SLCI0-031F
Temperature：	26 ℃	Relative Humidity：	53%
Pressure：	1020 hPa	Test Power ：	DC 5V for Adapter AC 120V/60Hz
Test Mode ：	Mode 1		

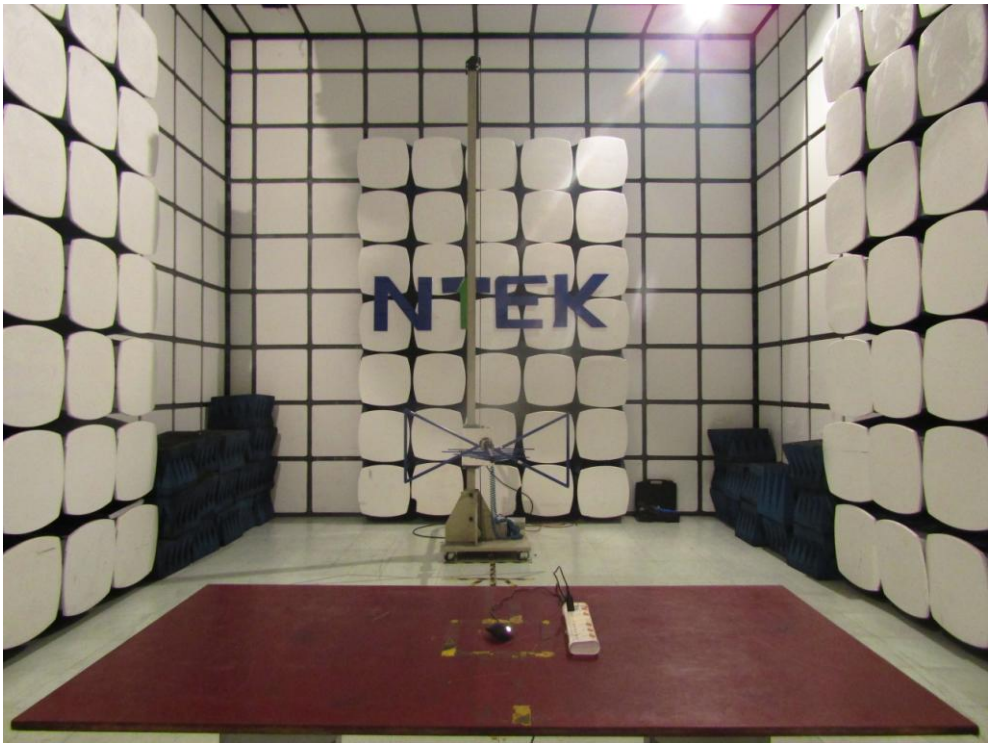
Test Channel	Frequency (MHz)	20 dBc Bandwidth (KHz)
CH01	908.4	396.886

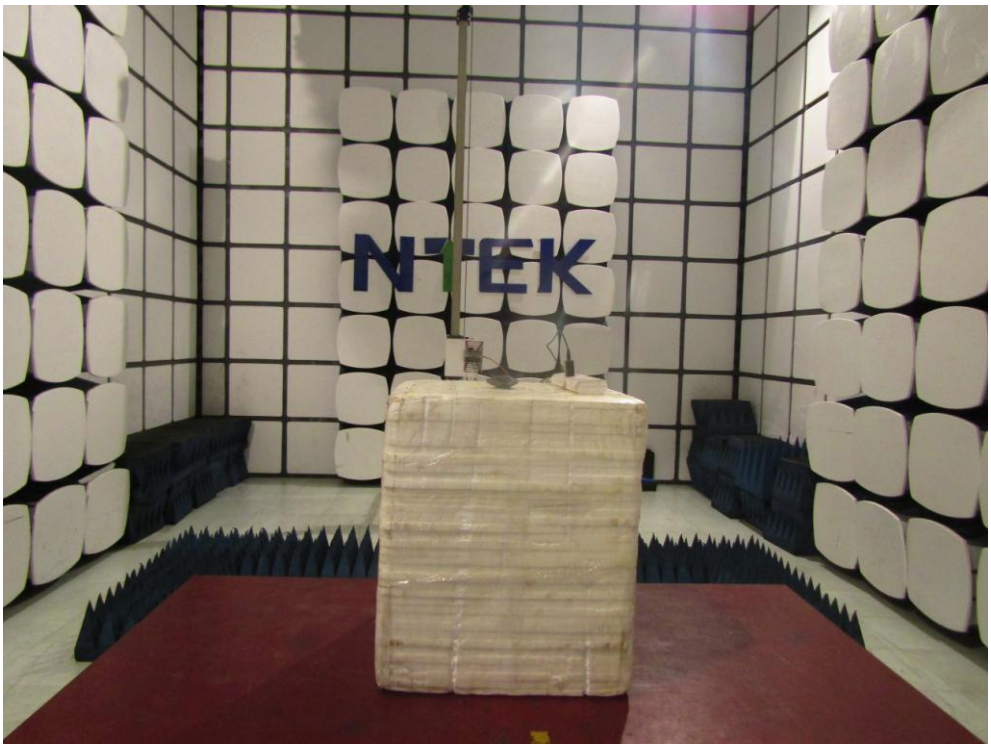
908.4 MHz



5. EUT TEST PHOTO

Radiated Measurement Photos





CONDUCTED EMISSION Photos