2/F., Garment Centre,
576 Castle Peak Road, Kowloon,
Hong Kong.

Telephone: (852) 2173 8888
Facsimile: (852) 2785 5487
www.intertek.com

TEST REPORT

Report No.: 18040038HKG-002R1

Zens B.V.

Application For Certification
(Original Grant)

FCC ID: 2AOGZ-ZETC05

Transmitter

This report supersedes previous report with report number 18040038HKG-002 dated June 06, 2018.
Please refer PS-S18-0012 Letter issued on July 06, 2018 for amendment/ supersede notification.

Prepared and Checked by:	**Approved by:**
Signed On File Wong Kwok Yeung, Kenneth Senior Lead Engineer	Digitally signed by Terry Chan Location: Intertek Testing Services Hong Kong Ltd. Chan Chi Hung, Terry Manager Date: July 06, 2018

TEST REPORT

GENERAL INFORMATION

Grantee:	Zens B.V.
Grantee Address:	High Tech Campus 10 5656 AE Eindhoven Netherlands
Contact Person:	Ronald van der Voort
Tel:	31 408517575
Fax:	N/A
e-mail:	N/A
Manufacturer:	Sichuan E-power Technology Co., Ltd.
Manufacturer Address:	B2-2 Xinxing Industrial Park of Tianfu New Area Sichuan China
Brand Name:	Puk3
Model:	ZETC05
Type of EUT:	Transmitter
Description of EUT:	Surface/ Sub-surface Charger
Serial Number:	N/A
FCC ID:	2AOGZ-ZETC05
Date of Sample Submitted:	April 03, 2018
Date of Test:	April 03, 2018 to June 01, 2018
Report No.:	18040038HKG-002R1
Report Date:	July 06, 2018
Environmental Conditions:	Temperature: +10 to 40°C Humidity: 10 to 90%

TEST REPORT

SUMMARY OF TEST RESULT

Test Specification	Reference	Results
Radiated Emission Radiated Emission on the Bandedge	15.209	Pass
Transmitter Power Line Conducted Emissions	15.207	Pass

The equipment under test is found to be complying with the following standards:
FCC Part 15, October 1, 2016 Edition

Note: 1. The EUT uses a permanently attached antenna which, in accordance to section 15.203, is considered sufficient to comply with the pervisions of this section.
2. Pursuant to FCC part 15 Section 15.215(c), the 20 dB bandwidth of the emission was contained within the frequency band designated (mentioned as above) which the EUT operated. The effects, if any, from frequency sweeping, frequency hopping, other modulation techniques and frequency stability over excepted variations in temperature and supply voltage were considered.

TEST REPORT

TABLE OF CONTENTS

1.0 GENERAL DESCRIPTION 5
1.1 Product Description 5
1.2 Related Submittal(s) Grants 5
1.3 Test Methodology 5
1.4 Test Facility 5

2.0 SYSTEM TEST CONFIGURATION 6
2.1 Justification 6
2.2 EUT Exercising Software 6
2.3 Special Accessories 6
2.4 Measurement Uncertainty 6
2.5 Support Equipment List and Description 6

3.0 EMISSION RESULTS 7
3.1 Field Strength Calculation 7
3.2 Radiated Emission Configuration Photograph 8
3.3 Radiated Emission Data 8
3.4 Conducted Emission Configuration Photograph 8
3.5 Conducted Emission Data 8

4.0 EQUIPMENT PHOTOGRAPHS 15

5.0 PRODUCT LABELLING 15

6.0 TECHNICAL SPECIFICATIONS 15

7.0 INSTRUCTION MANUAL 15

8.0 MISCELLANEOUS INFORMATION 16
8.1 Measured Bandwidth 16
8.2 Discussion of Pulse Desensitization 18
8.3 Calculation of Average Factor 18
8.4 Emissions Test Procedures 19

9.0 CONFIDENTIALITY REQUEST 23

10.0 EQUIPMENT LIST 23

TEST REPORT

1.0 GENERAL DESCRIPTION

1.1 Product Description

The Equipment Under Test (EUT) is a wireless power transfer device that operating at 115kHz and 127.7kHz which is powered by AC/DC adaptor (100-240VAC to 15VDC). After placing the smartphone on the EUT, it can be charged.

Antenna Type: Internal, Integral

For electronic filing, the brief circuit description is saved with filename: descri.pdf.

1.2 Related Submittal(s) Grants

This is a single application for certification of a transmitter.

1.3 Test Methodology

Both AC mains line-conducted and radiated emission measurements were performed according to the procedures in ANSI C63.10 (2013). All radiated measurements were performed in an 3m Chamber . Preliminary scans were performed in the 3m Chamber only to determine worst case modes. All radiated tests were performed at an antenna to EUT distance of 3 meters, unless stated otherwise in the **"Justification Section"** of this Application.

1.4 Test Facility

The 3m Chamber and conducted measurement facility used to collect the radiated data is located at Workshop No. 3, G/F., World-Wide Industrial Centre, 43-47 Shan Mei Street, Fo Tan, Sha Tin, N.T., Hong Kong. This test facility and site measurement data have been placed on file with the FCC.

TEST REPORT

2.0 SYSTEM TEST CONFIGURATION

2.1 Justification

The system was configured for testing in a typical fashion (as a customer would normally use it), and in the confines as outlined in ANSI C63.10 (2013).

The device was powered by AC/DC adaptor (Input: 100-240V 50/60HZ 600mA : Output: 15.0V)

For maximizing emissions below 30 MHz, the EUT was rotated through 360°, the centre of the loop antenna was placed 1 meter above the ground, and the antenna polarization was changed. For maximizing emission at and above 30 MHz, the EUT was rotated through 360°, the antenna height was varied from 1 meter to 4 meters above the ground plane, and the antenna polarization was changed. This step by step procedure for maximizing emissions led to the data report in Exhibit 3.0.

The rear of unit shall be flushed with the rear of the table.

The equipment under test (EUT) was configured for testing in a typical fashion (as a customer would normally use it). The EUT was mounted to a plastic stand if necessary and placed on the wooden turntable, which enabled the engineer to maximize emissions through its placement in the three orthogonal axes.

2.2 EUT Exercising Software

There was no special software to exercise the device. Once the unit is powered up, it transmits the RF signal continuously.

2.3 Special Accessories

There are no special accessories necessary for compliance of this product.

2.4 Measurement Uncertainty

When determining of the test conclusion, the Measurement Uncertainty of test has been considered.

Uncertainty and Compliance - Unless the standard specifically states that measured values are to be extended by the measurement uncertainty in determining compliance, all compliance determinations are based on the actual measured value.

2.5 Support Equipment List and Description

1) Adaptor model: S024AMM1500160
   Input: 100-240V 50/60HZ 600mA
   Output: 15.0V
2) 1pc of dummy loading for 115kHz
3) 1pc of dummy loading for 127.7kHz

TEST REPORT

3.0 EMISSION RESULTS

Data is included of the worst case configuration (the configuration which resulted in the highest emission levels). A sample calculation, configuration photographs and data tables of the emissions are included.

3.1 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain (if any), Average Factor (optional) from the measured reading. The basic equation with a sample calculation is as follows:

FS = RA + AF + CF - AG - AV

where FS = Field Strength in dBµV/m
RA = Receiver Amplitude (including preamplifier) in dBµV
CF = Cable Attenuation Factor in dB
AF = Antenna Factor in dB
AG = Amplifier Gain in dB
AV = Average Factor in dB

In the following table(s), the reading shown on the data table reflects the preamplifier gain. An example for the calculations in the following table is as follows:

FS = RR + LF

where FS = Field Strength in dBµV/m
RR = RA - AG - AV in dBµV
LF = CF + AF in dB

Assume a receiver reading of 52.0 dBµV is obtained. The antenna factor of 7.4 dB and cable factor of 1.6 dB are added. The amplifier gain of 29 dB and average factor of 5 dB are subtracted, giving a field strength of 27 dBµV/m. This value in dBµV/m was converted to its corresponding level in µV/m.

RA = 52.0 dBµV/m
AF = 7.4 dB
CF = 1.6 dB
AG = 29.0 dB
AV = 5.0 dB
FS = RR + LF
FS = 18 + 9 = 27 dBµV/m

RR = 18.0 dBµV
LF = 9.0 dB

Level in µV/m = Common Antilogarithm [(27 dBµV/m)/20] = 22.4 µV/m

TEST REPORT

3.2 Radiated Emission Configuration Photograph

The worst case in radiated emission was found at 0.128 MHz

For electronic filing, the worst case radiated emission configuration photographs are saved with filename: radiated photos.pdf.

3.3 Radiated Emission Data

The data on the following page lists the significant emission frequencies, the limit and the margin of compliance. Numbers with a minus sign are below the limit.

Judgment: Passed by 18.7 dB

3.4 Conducted Emission Configuration Photograph

The worst case in line-conducted emission was found at 384 kHz

For electronic filing, the worst case line-conducted configuration photographs are saved with filename: conducted photo.pdf.

3.5 Conducted Emission Data

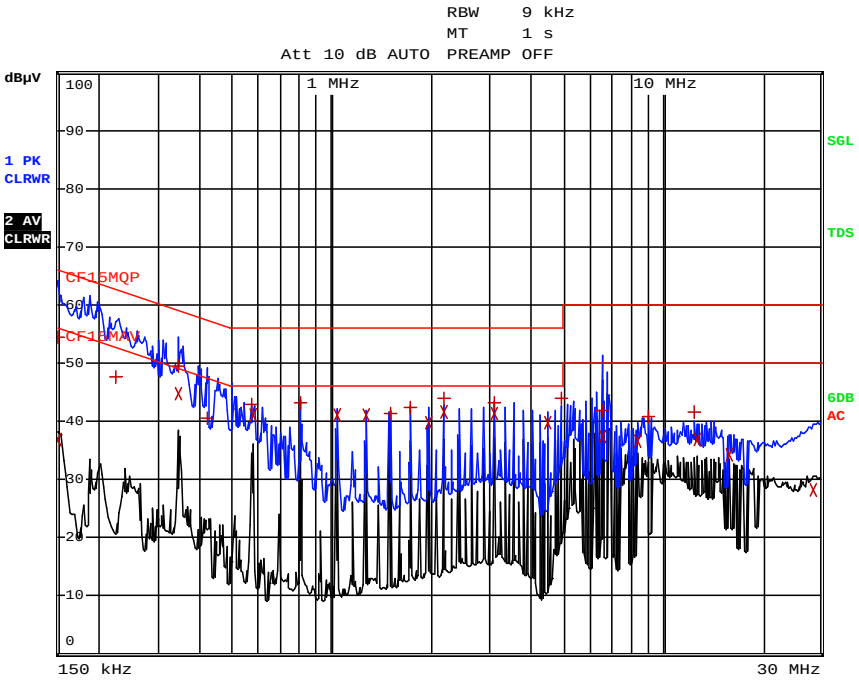
For electronic filing, the graph and data table of conducted emission is saved with filename: conducted.pdf.

Judgment: Pass by 1.56 dB

TEST REPORT

CONDUCTED EMISSION

Model: ZETC05
Date of Test: June 01, 2018
Worst-Case Operating Mode: 115kHz loading



EDIT PEAK LIST (Final Measurement Results)				
Trace1:	CF15MQP			
Trace2:	CF15MAV			
Trace3:	---			
TRACE	FREQUENCY	LEVEL dBµV		DELTA LIMIT dB
1 Quasi Peak	150 kHz	54.56	N gnd	-11.43
2 CISPR Average	150 kHz	37.00	N gnd	-18.99
1 Quasi Peak	226.5 kHz	47.73	N gnd	-14.84
1 Quasi Peak	343.5 kHz	49.57	N gnd	-9.54
2 CISPR Average	343.5 kHz	44.66	N gnd	-4.45
1 Quasi Peak	420 kHz	40.48	N gnd	-16.96
1 Quasi Peak	573 kHz	42.79	N gnd	-13.20
2 CISPR Average	577.5 kHz	41.06	N gnd	-4.93
1 Quasi Peak	807 kHz	43.12	N gnd	-12.88
2 CISPR Average	1.0365 MHz	41.20	N gnd	-4.79
2 CISPR Average	1.266 MHz	40.99	N gnd	-5.00
1 Quasi Peak	1.5 MHz	41.26	N gnd	-14.73
1 Quasi Peak	1.7295 MHz	42.45	N gnd	-13.54
2 CISPR Average	1.959 MHz	39.81	N gnd	-6.18
1 Quasi Peak	2.1885 MHz	43.96	N gnd	-12.03
2 CISPR Average	2.1885 MHz	41.55	N gnd	-4.45
1 Quasi Peak	3.111 MHz	43.16	N gnd	-12.83
2 CISPR Average	3.111 MHz	41.27	N gnd	-4.72
2 CISPR Average	4.4925 MHz	39.77	N gnd	-6.22
1 Quasi Peak	4.9515 MHz	44.06	N gnd	-11.93

TEST REPORT

EDIT PEAK LIST (Final Measurement Results)

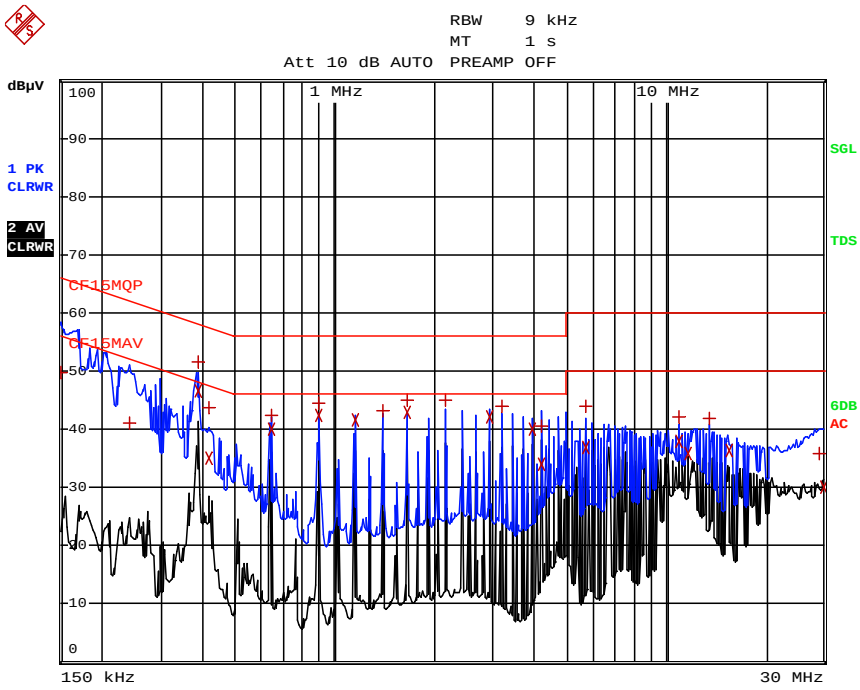
Trace1:	CF15MQP
Trace2:	CF15MAV
Trace3:	---

TRACE		FREQUENCY	LEVEL dBµV		DELTA LIMIT dB
1	Quasi Peak	6.567 MHz	41.86	N gnd	-18.13
2	CISPR Average	6.567 MHz	37.50	N gnd	-12.49
2	CISPR Average	8.4075 MHz	36.68	N gnd	-13.31
1	Quasi Peak	9.096 MHz	40.72	N gnd	-19.27
1	Quasi Peak	12.435 MHz	41.67	N gnd	-18.32
2	CISPR Average	12.669 MHz	36.93	N gnd	-13.06
2	CISPR Average	15.8955 MHz	34.33	N gnd	-15.66
2	CISPR Average	28.5495 MHz	28.09	L1 gnd	-21.90

Note: Measurement Uncertainty is ±4.2dB at a level of confidence of 95%.

TEST REPORT

Model: ZETC05
Date of Test: June 01, 2018
Worst-Case Operating Mode: 127.7kHz loading



EDIT PEAK LIST (Final Measurement Results)

Trace1: CF15MQP
Trace2: CF15MAV
Trace3: ---

TRACE	FREQUENCY	LEVEL dBµV		DELTA LIMIT dB
1 Quasi Peak	150 kHz	49.66	L1 gnd	-16.33
1 Quasi Peak	240 kHz	40.98	N gnd	-21.11
1 Quasi Peak	384 kHz	51.56	N gnd	-6.62
2 CISPR Average	384 kHz	46.62	N gnd	-1.56
1 Quasi Peak	415.5 kHz	43.83	N gnd	-13.70
2 CISPR Average	415.5 kHz	34.94	N gnd	-12.59
1 Quasi Peak	640.5 kHz	42.45	N gnd	-13.54
2 CISPR Average	640.5 kHz	39.95	N gnd	-6.04
1 Quasi Peak	892.5 kHz	44.52	N gnd	-11.47
2 CISPR Average	892.5 kHz	42.32	N gnd	-3.67
2 CISPR Average	1.149 MHz	41.57	N gnd	-4.42
1 Quasi Peak	1.4055 MHz	43.22	N gnd	-12.77
1 Quasi Peak	1.6575 MHz	44.97	N gnd	-11.02
2 CISPR Average	1.6575 MHz	42.79	N gnd	-3.21
1 Quasi Peak	2.1705 MHz	44.90	N gnd	-11.09
2 CISPR Average	2.9355 MHz	42.22	N gnd	-3.77
1 Quasi Peak	3.192 MHz	43.96	N gnd	-12.03
2 CISPR Average	3.957 MHz	40.14	N gnd	-5.85
1 Quasi Peak	4.2135 MHz	40.67	N gnd	-15.32
2 CISPR Average	4.2135 MHz	33.87	N gnd	-12.12

TEST REPORT

EDIT PEAK LIST (Final Measurement Results)

Trace1: CF15MQP
Trace2: CF15MAV
Trace3: ---

TRACE		FREQUENCY	LEVEL dBµV		DELTA LIMIT dB
1	Quasi Peak	5.739 MHz	44.07	N gnd	-15.92
2	CISPR Average	5.7435 MHz	36.75	N gnd	-13.24
1	Quasi Peak	10.9725 MHz	41.99	N gnd	-18.00
2	CISPR Average	10.9725 MHz	37.84	N gnd	-12.15
2	CISPR Average	11.7375 MHz	35.84	N gnd	-14.15
1	Quasi Peak	13.524 MHz	41.93	N gnd	-18.07
2	CISPR Average	15.5625 MHz	36.34	N gnd	-13.65
1	Quasi Peak	29.094 MHz	35.88	L1 gnd	-24.11
2	CISPR Average	29.85 MHz	30.09	L1 gnd	-19.90

Note: Measurement Uncertainty is ±4.2dB at a level of confidence of 95%.

TEST REPORT

RADIATED EMISSIONS

Model: ZETC05
Date of Test: June 01, 2018
Worst-Case Operating Mode: Transmitting (115kHz loading)

Table 1
Pursuant to FCC Part 15 Section 15.249 Requirement

Polari-zation	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Distance Factor (-dB)	Calculated at 300m (dBµV/m)	Limit at 300m (dBµV/m)	Margin (dB)
H	0.115	68.7	0	11.8	80.5	80.0	0.5	26.4	-25.9
H	0.230	41.0	0	11.7	52.7	80.0	-27.3	20.4	-47.7
H	0.345	42.5	0	11.6	54.1	80.0	-25.9	16.8	-42.7
H	0.460	35.0	0	11.6	46.6	80.0	-33.4	14.3	-47.7

Polari-zation	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Distance Factor (-dB)	Calculated at 30m (dBµV/m)	Limit at 30m (dBµV/m)	Margin (dB)
H	0.575	33.3	0	11.5	44.8	40.0	4.8	32.4	-27.6
H	0.690	32.4	0	11.4	43.8	40.0	3.8	30.8	-27.0
H	0.805	31.8	0	11.3	43.1	40.0	3.1	29.5	-26.4
H	0.920	28.2	0	11.3	39.5	40.0	-0.5	28.3	-28.8
H	1.035	27.5	0	11.3	38.8	40.0	-1.2	27.3	-28.5
H	1.150	26.6	0	11.3	37.9	40.0	-2.1	26.4	-28.5
H	1.265	26.1	0	10.6	36.7	40.0	-3.3	25.6	-28.9

NOTES:
1. Peak Detector Data unless otherwise stated.
2. All measurements were made at 3 meters. Harmonic emissions not detected at the 3-meter distances were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other harmonic emissions than those reported were detected at a test distance of 0.3-meter.
3. Negative sign in the column shows value below limit.
4. Loop antenna is used for the emissions below 30MHz.
5. Measurement Uncertainty is ±5.3dB at a level of confidence of 95%.

TEST REPORT

Model: ZETC05
Date of Test: June 01, 2018
Worst-Case Operating Mode: Transmitting (127.7kHz loading)

Table 2
Pursuant to FCC Part 15 Section 15.209 Requirement

Polari-zation	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Distance Factor (dB)	Calculated at 300m (dBµV/m)	Limit at 300m (dBµV/m)	Margin (dB)
H	0.128	75.0	0	11.8	86.8	80.0	6.8	25.5	-18.7
H	0.255	40.3	0	11.7	52.0	80.0	-28.0	19.5	-47.5
H	0.383	46.8	0	11.6	58.4	80.0	-21.6	15.9	-37.5

Polari-zation	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Distance Factor (-dB)	Calculated at 30m (dBµV/m)	Limit at 30m (dBµV/m)	Margin (dB)
H	0.511	36.7	0	11.6	46.8	40.0	6.8	33.4	-26.6
H	0.639	35.2	0	11.5	48.9	40.0	8.9	31.5	-22.6
H	0.766	32.1	0	11.4	43.5	40.0	3.5	29.9	-26.4
H	0.894	28.0	0	11.3	39.3	40.0	-0.7	28.6	-29.3
H	1.022	27.6	0	11.3	38.9	40.0	-1.1	27.4	-28.5
H	1.149	26.3	0	11.3	37.6	40.0	-2.4	26.4	-28.8
H	1.277	25.4	0	11.3	36.7	40.0	-3.3	25.5	-28.8
H	1.405	24.8	0	10.6	35.4	40.0	-4.6	24.7	-29.3

NOTES:
1. Peak Detector Data unless otherwise stated.
2. All measurements were made at 3 meters. Harmonic emissions not detected at the 3-meter distances were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other harmonic emissions than those reported were detected at a test distance of 0.3-meter.
3. Negative sign in the column shows value below limit.
4. Loop antenna is used for the emissions below 30MHz.
5. Measurement Uncertainty is ±5.3dB at a level of confidence of 95%.

TEST REPORT

4.0 EQUIPMENT PHOTOGRAPHS

For electronic filing, the photographs are saved with filename: external photos.pdf and internal photos.pdf.

5.0 PRODUCT LABELLING

For electronics filing, the FCC ID label artwork and the label location are saved with filename: label.pdf.

6.0 TECHNICAL SPECIFICATIONS

For electronic filing, the block diagram and schematic of the tested EUT are saved with filename: block.pdf and circuit.pdf respectively.

7.0 INSTRUCTION MANUAL

For electronic filing, a preliminary copy of the Instruction Manual is saved with filename: manual.pdf.

This manual will be provided to the end-user with each unit sold/leased in the United States.

TEST REPORT

8.0 MISCELLANEOUS INFORMATION

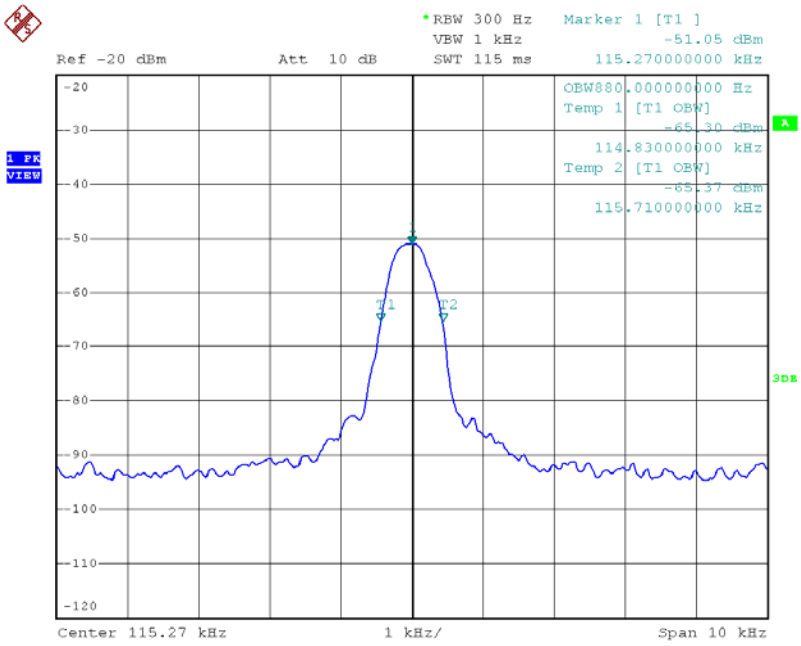
The miscellaneous information includes details of the test procedure and measured bandwidth / calculation of factor such as pulse desensitization and averaging factor (calculation and timing diagram).

8.1 Measured Bandwidth

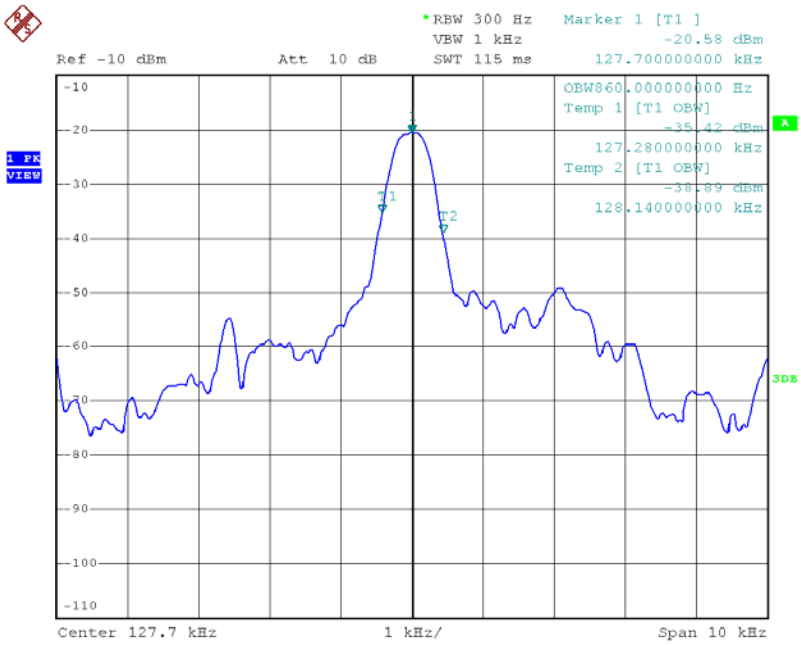
Pursuant to FCC Part 15 Section 15.215(c), the 20dB bandwidth of the emission was contained within the frequency band designed (mentioned as above) which the EUT operated. The effects, if any, from frequency sweeping, frequency hopping, other modulation techniques and frequency stability over expected variations in temperature and supply voltage were considered.

TEST REPORT

115kHz



127.7kHz



TEST REPORT

8.2 Discussion of Pulse Desensitization

Pulse desensitivity is not applicable for this device. Since the transmitter transmits the RF signal continuously.

8.3 Calculation of Average Factor

The average factor is not applicable for this device as the transmitted signal is a continuously signal.

TEST REPORT

8.4 Emissions Test Procedures

The following is a description of the test procedure used by Intertek Testing Services Hong Kong Ltd. in the measurements of transmitter operating under the Part 15, Subpart C rules.

The transmitting equipment under test (EUT) is placed on a wooden turntable which is four feet in diameter and approximately 0.8m in height above the ground plane for emission measurement at or below 1GHz and 1.5m in height above the ground plane for emission measurement above 1GHz. During the radiated emissions test, the turntable is rotated and any cables leaving the EUT are manipulated to find the configuration resulting in maximum emissions. The EUT is adjusted through all three orthogonal axis to obtain maximum emission levels. The antenna height and polarization are also varied during the testing to search for maximum signal levels. The height of the antenna is varied from one to four meters.

Detector function for radiated emissions is in peak mode. Average readings, when required, are taken by measuring the duty cycle of the equipment under test and subtracting the corresponding amount in dB from the measured peak readings. A detailed description for the calculation of the average factor can be found in Exhibit 8.3.

The frequency range scanned is from the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or 40 GHz, whichever is lower. For line conducted emissions, the range scanned is 150 kHz to 30 MHz.

TEST REPORT

8.4 Emissions Test Procedures (cont'd)

The EUT is warmed up for 15 minutes prior to the test.

AC power to the unit is varied from 85% to 115% nominal and variation in the fundamental emission field strength is recorded. If battery powered, a new, fully charged battery is used.

Conducted measurements were made as described in ANSI C63.10 (2013).

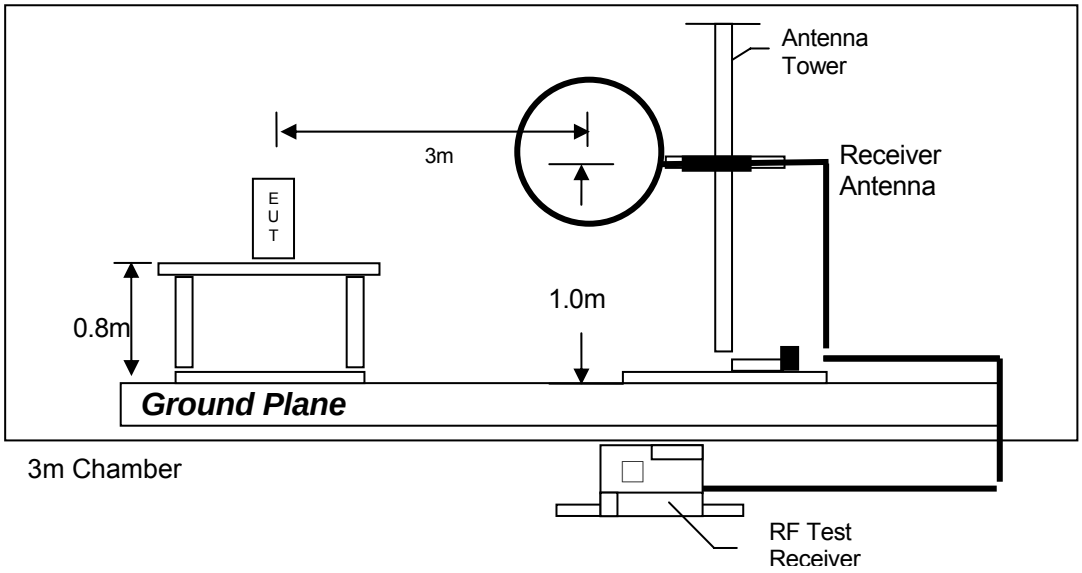
The IF bandwidth used for measurement of radiated signal strength was 100 kHz or greater when frequency is below 1000 MHz. Where pulsed transmissions of short enough pulse duration warrant, a greater bandwidth is selected according to the recommendations of Hewlett Packard Application Note 150-2. A discussion of whether pulse desensitivity is applicable to this unit is included in this report (See Exhibit 8.1). Above 1000 MHz, a resolution bandwidth of 3 MHz is used.

Transmitter measurements are normally conducted at a measurement distance of three meters. However, to assure low enough noise floor in the forbidden bands and above 1 GHz, signals are acquired at a distance of one meter or less. All measurements are extrapolated to three meters using inverse scaling, unless otherwise reported. Measurements taken at a closer distance are so marked.

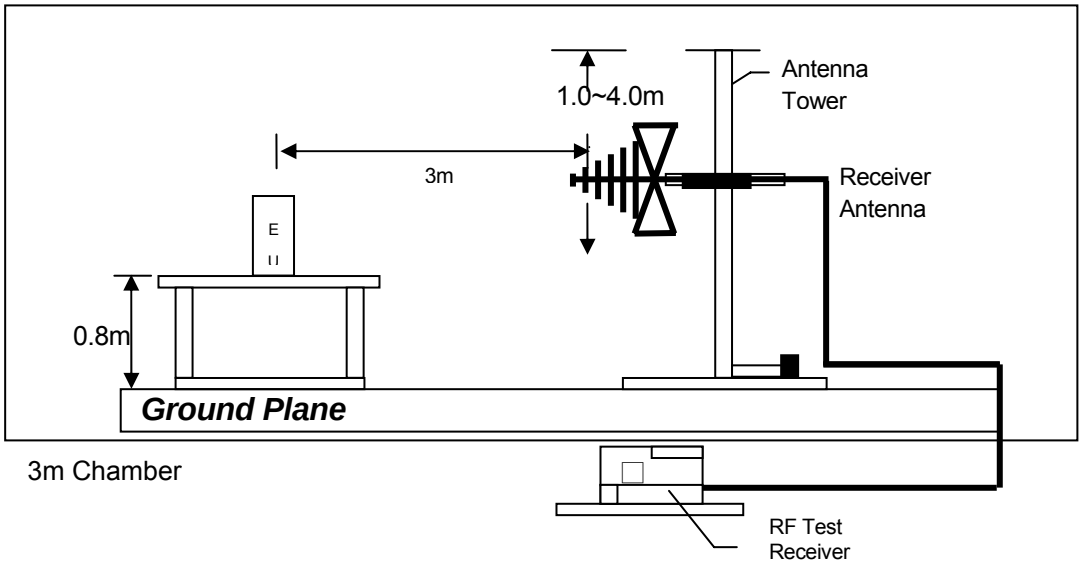
TEST REPORT

8.4.1 Radiated Emission Test Setup

The figure below shows the test setup, which is utilized to make these measurements.



Test setup of radiated emissions up to 30MHz



Test setup of radiated emissions above 1GHz

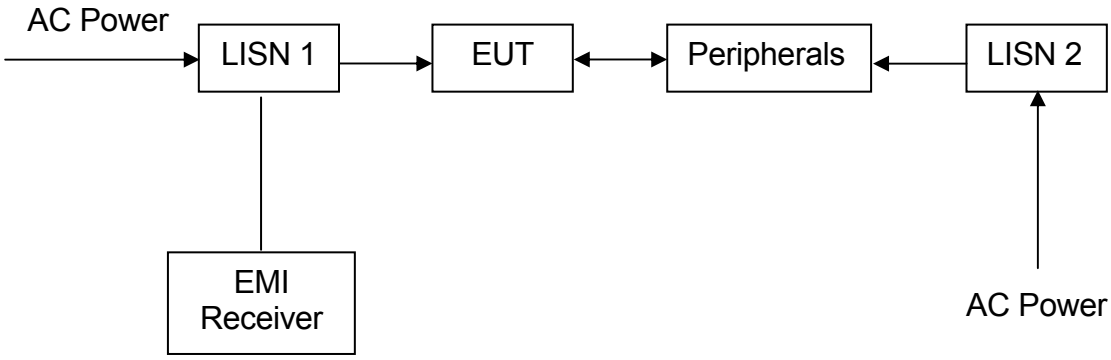
TEST REPORT

8.4.2 Conducted Emission Test Procedures

For tabletop equipment, the EUT along with its peripherals were placed on a 1.0m(W)×1.5m(L) and 0.8m in height wooden table. For floor-standing equipment, the EUT and all cables were insulated, if required, from the ground plane by up to 12 mm of insulating material. The EUT was adjusted to maintain a 0.4 meter space from a vertical reference plane. The EUT was connected to power mains through a line impedance stabilization network (LISN), which provided 50 ohm coupling impedance for measuring instrument and the chassis ground was bounded to the horizontal ground plane of shielded room. The excess power cable between the EUT and the LISN was bundled.

All connecting cables of EUT and peripherals were moved to find the maximum emission.

8.4.3 Conducted Emission Test Setup



TEST REPORT

9.0 CONFIDENTIALITY REQUEST

For electronic filing, a preliminary copy of the confidentiality request is saved with filename: request.pdf.

10.0 EQUIPMENT LIST

1) Radiated Emissions Test

Equipment	Emi Test Receiver	Log Periodic Antenna	Biconical Antenna
Registration No.	EW-3156	EW-0447	EW-0571
Manufacturer	R&S	EMCO	EMCO
Model No.	ESCI	3146	3104C
Calibration Date	November 10, 2017	January 17, 2018	February 27, 2018
Calibration Due Date	November 10, 2018	July 17, 2019	August 27, 2019

Equipment	14m Double Shield Rf Cable (9kHz To 6GHz)	RF Pre-amplifier 3 pcs (9kHz to 40GHz)	Active Loop H-field (9kHz to 30MHz)
Registration No.	EW-2505	EW-3006	EW-3326
Manufacturer	RADIALL	SCHWARZBECK	EMCO
Model No.	nm / br5d / sma 14m	BBV 9718 BBV9744 BBV 9721	6502
Calibration Date	October 30, 2017	January 30, 2018	September 27, 2017
Calibration Due Date	October 30, 2018	January 30, 2019	March 27, 2019

2) Conducted Emissions Test

Equipment	EMI Test Receiver	Artificial Mains Network
Registration No.	EW-2666	EW-2874
Manufacturer	R&S	R&S
Model No.	ESCI7	ENV-216
Calibration Date	July 03, 2017	March 29, 2018
Calibration Due Date	July 03, 2018	March 29, 2019

3) Bandedge Measurement

Equipment	Spectrum Analyzer
Registration No.	EW-2329
Manufacturer	R&S
Model No.	FSP3
Calibration Date	September 28, 2017
Calibration Due Date	September 28, 2018

END OF TEST REPORT