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FCC TEST REPORT

Report No:STS1810028W02

Issued for

Dong Guan BlueFinger Electronics Co.,LTD

NO.2 Baotang Road, Jinglian Community, Qiaotou Town,
DongGuan, China

Product Name:	Wireless Charging smart holder
Brand Name:	Azolt Kulode
Model Name:	Z01
Series Model:	Z02, Z03, Z04, Z05, Z06, Z07, Z08, Z09, Z1, Z2, Z3, Z4, Z5, Z6, Z7, Z8, Z9, Z10
FCC ID:	2APR7Z01
Test Standard:	FCC Part 15 Subpart C

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**TEST RESULT CERTIFICATION**

Applicant's name: Dong Guan BlueFinger Electronics Co.,LTD
Address.....: NO.2 Baotang Road, Jinglian Community, Qiaotou Town,
DongGuan, China
Manufacture's Name: Dong Guan BlueFinger Electronics Co.,LTD
Address.....: NO.2 Baotang Road, Jinglian Community, Qiaotou Town,
DongGuan, China

Product description

Product Name: Wireless Charging smart holder
Brand Name: Azolt Kulode
Model Name.....: Z01
Series Model: Z02, Z03, Z04, Z05, Z06, Z07, Z08, Z09, Z1, Z2, Z3, Z4, Z5, Z6, Z7,
Z8, Z9, Z10

Test Standards.....: FCC Part 15 Subpart C

Test Procedure.....: ANSI C63.10-2013

This device described above has been tested by STS, 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 performance of tests.....: 11 Oct. 2018 ~ 23Oct. 2018

Date of Issue.....: 24 Oct. 2018

Test Result.....: **Pass**

Testing Engineer :

(Chris chen)

Technical Manager :

(Sunday Hu)

Authorized Signatory :

(Vita Li)





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**Revision History**

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	24 Oct. 2018	STS1810028W02	ALL	Initial Issue



1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 , Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	
15.209 (a)	Radiated emission, Spurious Emission	PASS	
2.1049	20 dB Bandwidth	PASS	

1.1 TEST FACTORY

Shenzhen STS Test Services Co., Ltd.

Add. : 1/F., Building B, Zhuoke Science Park, No.190, Chongqing Road, Fuyong Street, Bao'an District, Shenzhen, Guangdong, China

CNAS Registration No.: L7649; FCC Registration No.: 625569

IC Registration No.: 12108A; A2LA Certificate No.: 4338.01;

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, 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 (9KHz-150KHz)	$\pm 2.88\text{dB}$
2	Conducted Emission (150KHz-30MHz)	$\pm 2.67\text{ dB}$
3	All emissions,radiated(<1G) 30MHz-200MHz	$\pm 2.83\text{dB}$
4	All emissions,radiated(<1G) 200MHz-1000MHz	$\pm 2.94\text{dB}$
5	Temperature	$\pm 0.5^{\circ}\text{C}$
6	Humidity	$\pm 2\%$

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name	Wireless Charging smart holder
Trade Name	Azolt Kulode
Model Name	Z01
Series Model	Z02, Z03, Z04, Z05, Z06, Z07, Z08, Z09, Z1, Z2, Z3, Z4, Z5, Z6, Z7, Z8, Z9, Z10
Model Difference	Only different in model name and appearance
Channel List	Please refer to the Note 2.
Equipemnt Category	Non-ISM frequency
Operating frequency	110.5-205KHz
Modulation Type	ASK
Adapter	Input: DC12V-24V Output1:DC5V 1.2A Output2:DC3.6-6.5V 3A, DC6.5-9V 2A, DC9-12V 1.5A
Power Rating	Input:5V/2A, 9V/1.5A Output: 5V/1.5A , 9V/1.2A
Hardware version number	V1.0
Software version number	IR MCU 3119B V2.0
Connecting I/O Port(s)	Please refer to the User's Manual

Note:

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

2.

Channel List					
Channel	Frequency (KHz)	Channel	Frequency (KHz)	Channel	Frequency (KHz)
01	170.23				

3. Table for Filed Antenna

Ant	Brand	Model Name	Antenna Type	Connector	NOTE
1	Azolt Kulode	Z01	Coil	NA	Antenna

2.2 DESCRIPTION OF THE 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	Charging+TX Mode

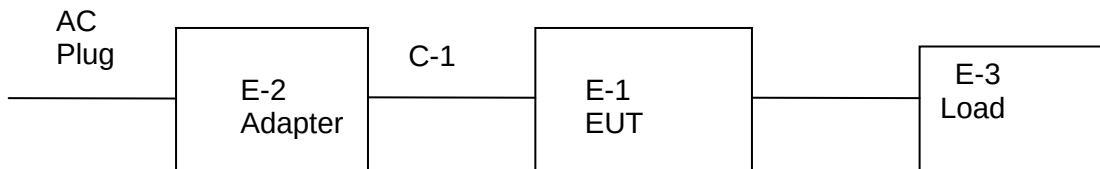
For Conducted Emission	
Final Test Mode	Description
Mode 1	Charging+TX Mode

For Radiated Emission	
Final Test Mode	Description
Mode 1	Charging+TX Mode

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters

Conducted Emission Test



Radiated Emission Test



2.4 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

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.

Necessary accessories

Item	Equipment	Mfr/Brand	Model/Type No.	Serial No.	Note
E-2	Adapter	LITEON	PA-1650-86	N/A	N/A
E-3	Load	N/A	N/A	N/A	N/A
C-1	USB Cable	N/A	N/A	N/A	N/A

Support units

Item	Shielded Type	Ferrite Core	Length	Note
N/A	N/A	N/A	N/A	N/A

Note:

- (1) FCC SDOC approved.
- (2) FTP is Foiled Twisted Pair.



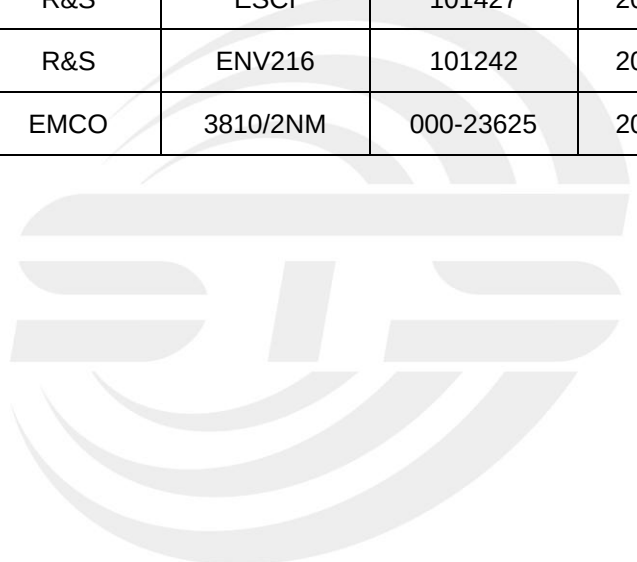
2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Test Receiver	R&S	ESCI	101427	2018.10.13	2019.10.12
Bilog Antenna	TESEQ	CBL6111D	34678	2017.11.02	2020.11.01
PreAmplifier	SKET	LNPA-01018G-45	SK2018080901	2018.10.13	2019.10.12
Loop Antenna	ZHINAN	ZN30900C	16035	2017.03.11	2020.03.10
USB RF power sensor	DARE	RPR3006W	15I00041SNO03	2018.10.13	2019.10.12

Conduction Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Test Receiver	R&S	ESCI	101427	2018.10.13	2019.10.12
LISN	R&S	ENV216	101242	2018.10.13	2019.10.12
LISN	EMCO	3810/2NM	000-23625	2018.10.13	2019.10.12



3.CONDUCTED EMISSION TEST RESULT(SECTION 15.207)

3.1 POWER LINE CONDUCTED EMISSION LIMITS

Operating frequency band. In case the emission fall within the restricted band specified on Part 15.207 limit in the table below has to be followed.

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

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.

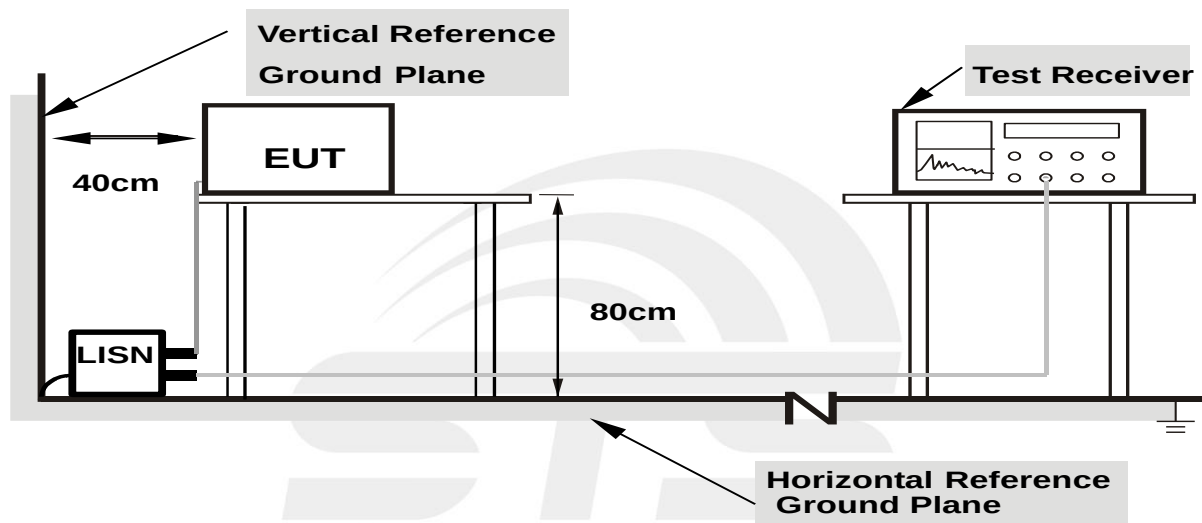
The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

3.2 TEST PROCEDURE

- 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.
- 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.
- 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.
- LISN at least 80 cm from nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.3 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

3.4 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.



3.5 TEST RESULTS

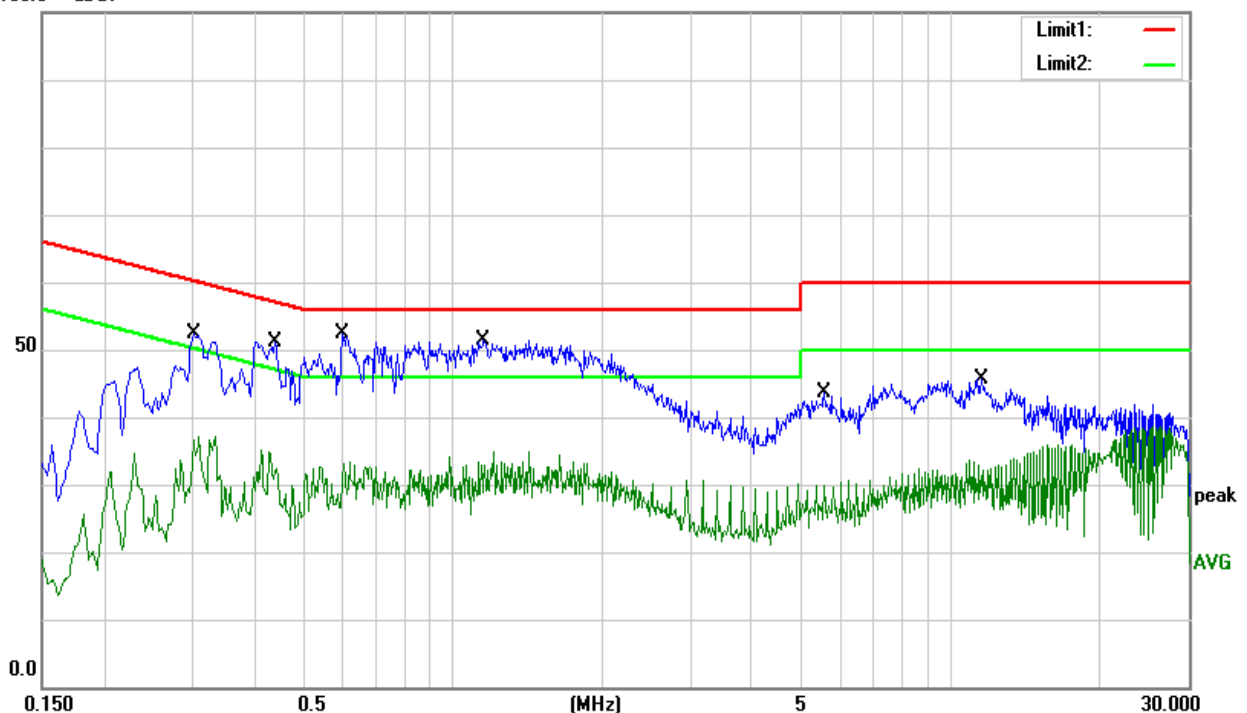
Temperature:	26.1 °C	Relative Humidity:	60%
Test Voltage:	DC 5V	Phase:	L
Test Mode:	Mode 1		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.3020	31.62	20.72	52.34	60.19	-7.85	QP
2	0.3020	16.49	20.72	37.21	50.19	-12.98	AVG
3	0.4420	30.72	20.49	51.21	57.02	-5.81	QP
4	0.4420	11.95	20.49	32.44	47.02	-14.58	AVG
5	0.6020	31.98	20.36	52.34	56.00	-3.66	QP
6	0.6020	12.90	20.36	33.26	46.00	-12.74	AVG
7	1.1580	31.12	20.15	51.27	56.00	-4.73	QP
8	1.1580	14.73	20.15	34.88	46.00	-11.12	AVG
9	5.5900	23.62	19.92	43.54	60.00	-16.46	QP
10	5.5900	12.54	19.92	32.46	50.00	-17.54	AVG
11	11.5060	25.46	20.09	45.55	60.00	-14.45	QP
12	11.5060	15.66	20.09	35.75	50.00	-14.25	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result = Reading + Factor) – Limit

100.0 dBuV





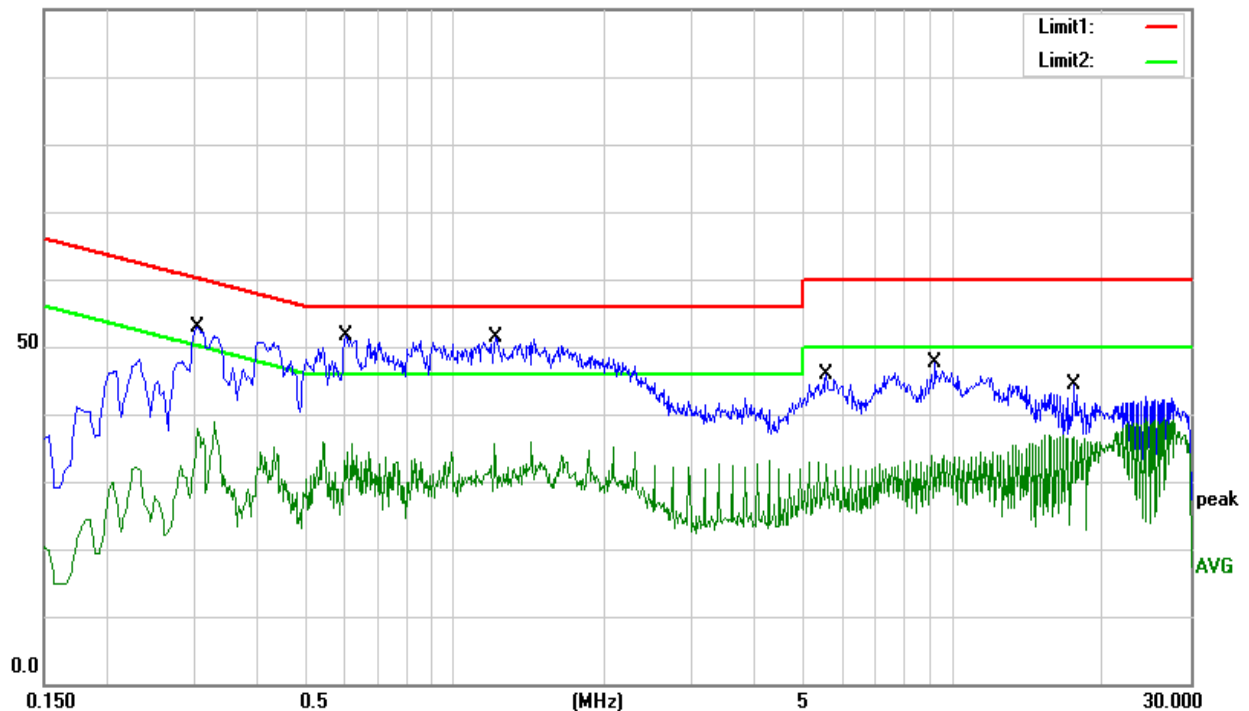
Temperature:	26.1 °C	Relative Humidity:	60%
Test Voltage:	DC 5V	Phase:	N
Test Mode:	Mode 1		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.3060	32.20	20.71	52.91	60.08	-7.17	QP
2	0.3060	18.10	20.71	38.81	50.08	-11.27	AVG
3	0.6060	31.38	20.36	51.74	56.00	-4.26	QP
4	0.6060	15.37	20.36	35.73	46.00	-10.27	AVG
5	1.2100	31.22	20.14	51.36	56.00	-4.64	QP
6	1.2100	15.77	20.14	35.91	46.00	-10.09	AVG
7	5.5900	25.88	19.92	45.80	60.00	-14.20	QP
8	5.5900	13.32	19.92	33.24	50.00	-16.76	AVG
9	9.2060	27.43	20.08	47.51	60.00	-12.49	QP
10	9.2060	13.72	20.08	33.80	50.00	-16.20	AVG
11	17.5340	24.41	19.96	44.37	60.00	-15.63	QP
12	17.5340	19.33	19.96	39.29	50.00	-10.71	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result = Reading + Factor) - Limit

100.0 dBuV



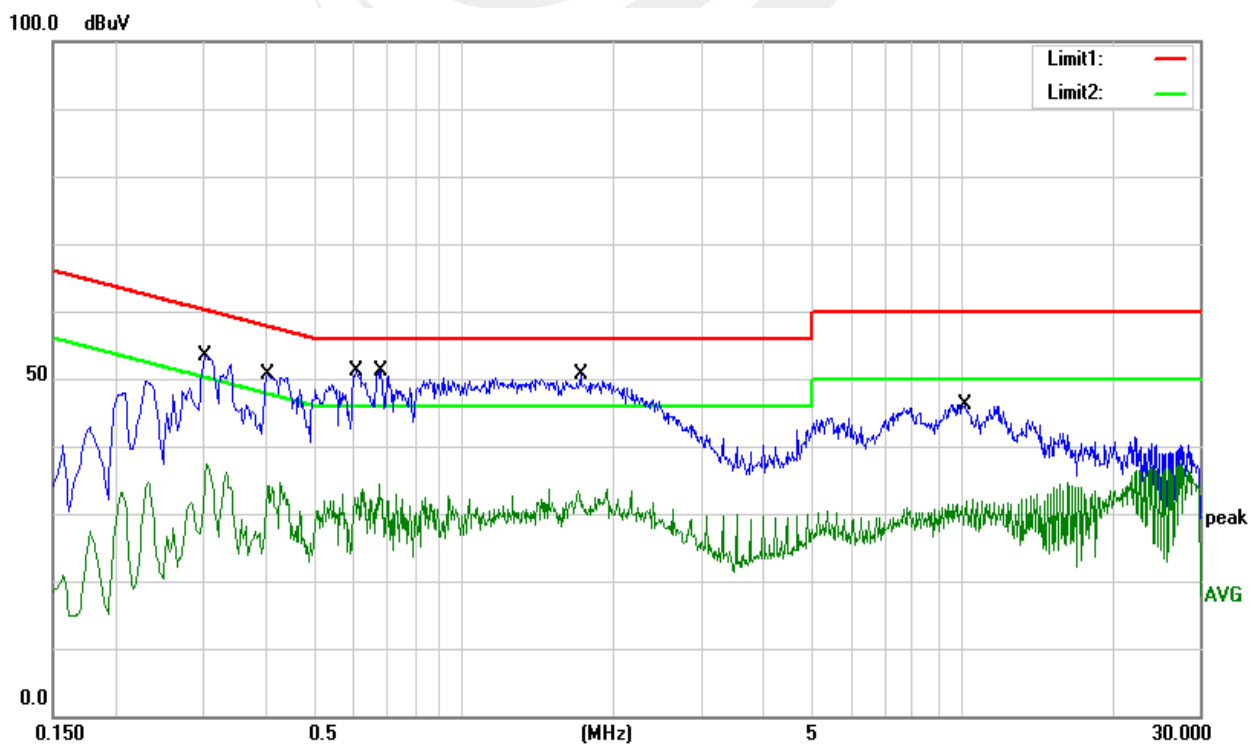


Temperature:	26.1 °C	Relative Humidity:	60%
Test Voltage:	DC 9V	Phase:	L
Test Mode:	Mode 1		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.3020	32.77	20.72	53.49	60.19	-6.70	QP
2	0.3020	16.68	20.72	37.40	50.19	-12.79	AVG
3	0.4060	30.20	20.49	50.69	57.73	-7.04	QP
4	0.4060	14.01	20.49	34.50	47.73	-13.23	AVG
5	0.6100	30.68	20.36	51.04	56.00	-4.96	QP
6	0.6100	13.16	20.36	33.52	46.00	-12.48	AVG
7	0.6860	30.98	20.27	51.25	56.00	-4.75	QP
8	0.6860	14.13	20.27	34.40	46.00	-11.60	AVG
9	1.7180	30.48	20.09	50.57	56.00	-5.43	QP
10	1.7180	13.50	20.09	33.59	46.00	-12.41	AVG
11	10.1740	26.12	20.13	46.25	60.00	-13.75	QP
12	10.1740	14.47	20.13	34.60	50.00	-15.40	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result = Reading + Factor) – Limit





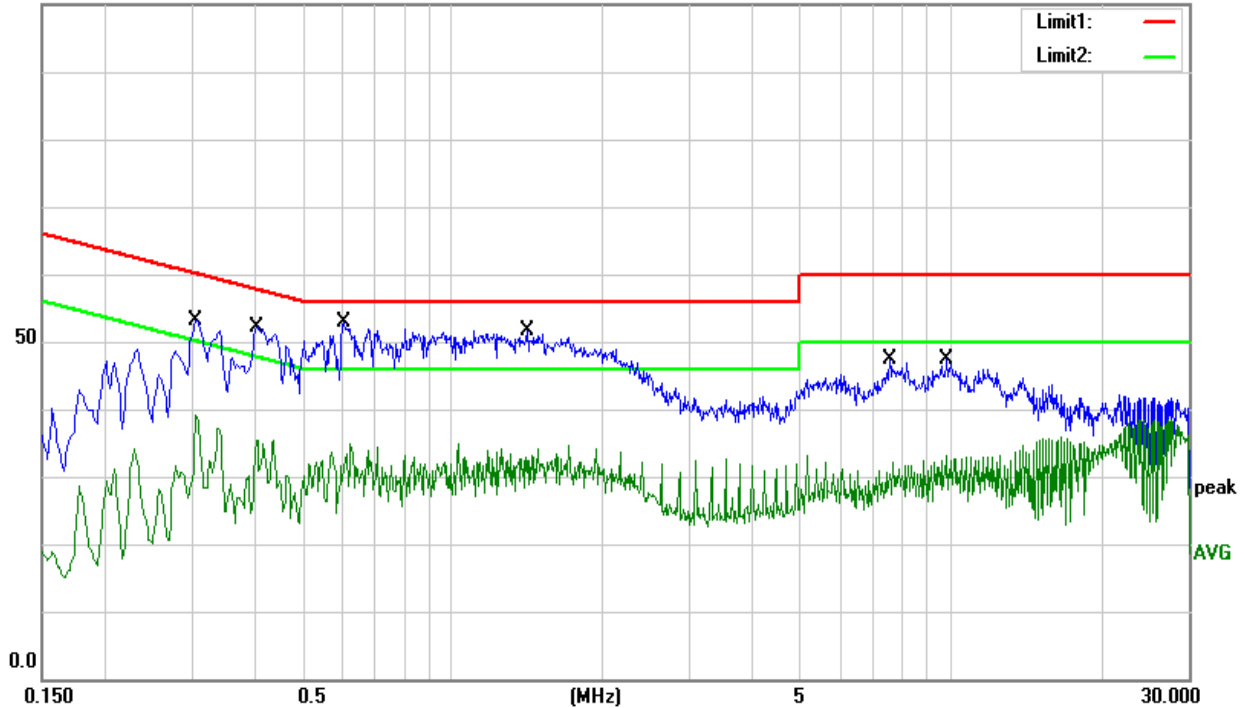
Temperature:	26.1 °C	Relative Humidity:	60%
Test Voltage:	DC 9V	Phase:	N
Test Mode:	Mode 1		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.3060	32.52	20.71	53.23	60.08	-6.85	QP
2	0.3060	18.40	20.71	39.11	50.08	-10.97	AVG
3	0.4060	31.66	20.49	52.15	57.73	-5.58	QP
4	0.4060	14.94	20.49	35.43	47.73	-12.30	AVG
5	0.6060	32.42	20.36	52.78	56.00	-3.22	QP
6	0.6060	14.42	20.36	34.78	46.00	-11.22	AVG
7	1.4140	31.59	20.12	51.71	56.00	-4.29	QP
8	1.4140	14.45	20.12	34.57	46.00	-11.43	AVG
9	7.5460	27.31	19.95	47.26	60.00	-12.74	QP
10	7.5460	12.16	19.95	32.11	50.00	-17.89	AVG
11	9.8300	27.15	20.12	47.27	60.00	-12.73	QP
12	9.8300	12.93	20.12	33.05	50.00	-16.95	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result = Reading + Factor) - Limit

100.0 dBuV



Note: The charging of < 1% Battery, 50% Battery, > 99% Battery all has been tested, the worst case is charging of < 1% Battery, only shown the worst case in this report.

4. RADIATED& FIELD EMISSION TEST RESULT(SECTIOU 15.209)

4.1 Limit

Frequency [MHz]	Field Strength [uV/m]	Measurement Distance [Meters]
0.009 ~ 0.490	2400/F (kHz)	300
0.490 ~ 1.705	24000/F (kHz)	30
1.705 ~ 30	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

Note:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

Resolution bandwidth:

- i) Below 150 kHz: 300 Hz or CISPR 200 Hz (CISPR 200 Hz required if using QP detector)
- ii) 150 kHz to 30 MHz: 10 kHz or CISPR 9 kHz, (CISPR 9 kHz required if using QP detector)
- iii) 30 MHz to 1000 MHz: 100 kHz or CISPR 120 kHz, (CISPR 120 kHz required if using QP detector)
- iv) Above 1 GHz: 1 MHz

§ 15.209(d)The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

4.2 TEST PROCEDURE

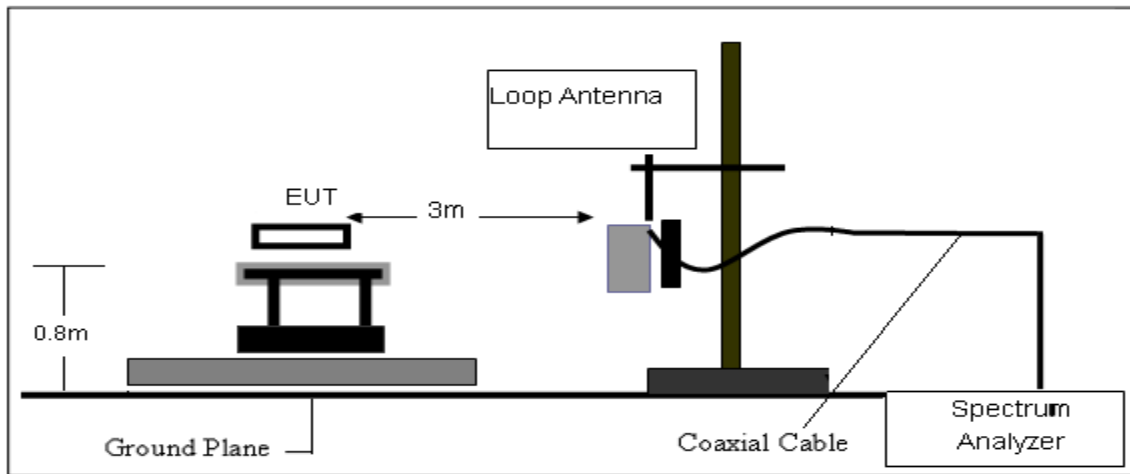
- a. The measuring distance of at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz.
- b. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. 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.
- d. 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.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

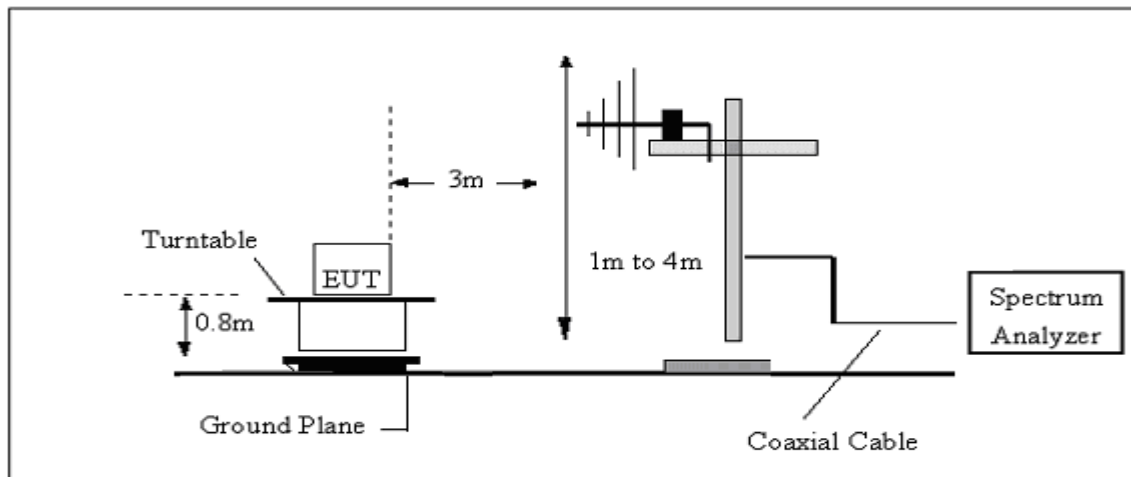
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

4.3 TEST SETUP

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



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





4.4 TEST RESULTS

Temperature :	25 °C	Relative Humidity :	50%
Test Voltage :	DC 5V/DC 9V	Test Mode :	TX Mode

4.4.1 Spurious Radiated Emission Below 30 MHz

Test voltage: DC 5V

Frequency	Reading	Detector	Ant. Factor	Cable	Emission	Limits	Margin
(kHz)	(dBμV)	(PK/QP/AV)	(dB/m)	Loss	Level (dBμV/m)	(dBμV/m)	(dB)
15	75.18	PK	26.27	0.1	101.55	144.08	-42.53
15	59.55	AV	26.27	0.1	85.92	124.08	-38.16
36	70.17	PK	22.03	0.1	92.30	136.48	-44.18
36	55.51	AV	22.03	0.1	77.64	116.48	-38.84
110	77.6	PK	10.04	0.1	87.74	126.78	-39.04
110	62.68	AV	10.04	0.1	72.82	106.78	-33.96
170.23	96.54	PK	9.43	0.1	106.07	122.98	-16.91
170.23	80.61	AV	9.43	0.1	90.14	102.98	-12.84
538	64.6	QP	1.15	0.1	65.85	72.99	-7.14
21573	69.28	QP	-17.9	0.9	52.28	69.54	-17.26

Test voltage: DC 9V

Frequency	Reading	Detector	Ant. Factor	Cable	Emission	Limits	Margin
(kHz)	(dBμV)	(PK/QP/AV)	(dB/m)	Loss	Level (dBμV/m)	(dBμV/m)	(dB)
15	75.18	PK	26.27	0.1	101.55	144.08	-42.53
15	59.31	AV	26.27	0.1	85.68	124.08	-38.40
36	70.2	PK	22.03	0.1	92.33	136.48	-44.15
36	55.41	AV	22.03	0.1	77.54	116.48	-38.94
110	77.51	PK	10.04	0.1	87.65	126.78	-39.13
110	62.47	AV	10.04	0.1	72.61	106.78	-34.17
170.23	96.51	PK	9.43	0.1	106.04	122.98	-16.94
170.23	80.69	AV	9.43	0.1	90.22	102.98	-12.76
617	64.17	QP	1.15	0.1	65.42	71.80	-6.38
21394	69.47	QP	-17.9	0.9	52.47	69.54	-17.07

1. “*” Means Fundamental frequency
2. Emission Level [dBμV/m] = Reading [dBμV] + Ant. Factor [dB/m] + Cable Loss [dB]
3. Margin [dB] = Emission Level [dBμV/m] – Limit [dBμV/m]
4. Limit calculation: Limit at specified distance + $40\log(300/3)$ = Limit + 80 dB for up to 0.49 MHz
Limit at specified distance + $40\log(30/3)$ = Limit + 40 dB for above 0.49 MHz, Below 30 MHz
5. During the radiated emission test, the measurement antenna was aligned along the site axis and orthogonal to the axis, only the worst-case data recorded.
6. The charging of < 1% Battery, 50% Battery, > 99% Battery all has been tested, the worst case is charging of < 1% Battery, only shown the worst case in this report.



4.4.2 Spurious Radiated Emission below 1 GHz

Temperature :	25.5 °C	Relative Humidity :	57%
Test Voltage :	DC 5V	Test Mode :	Mode 1

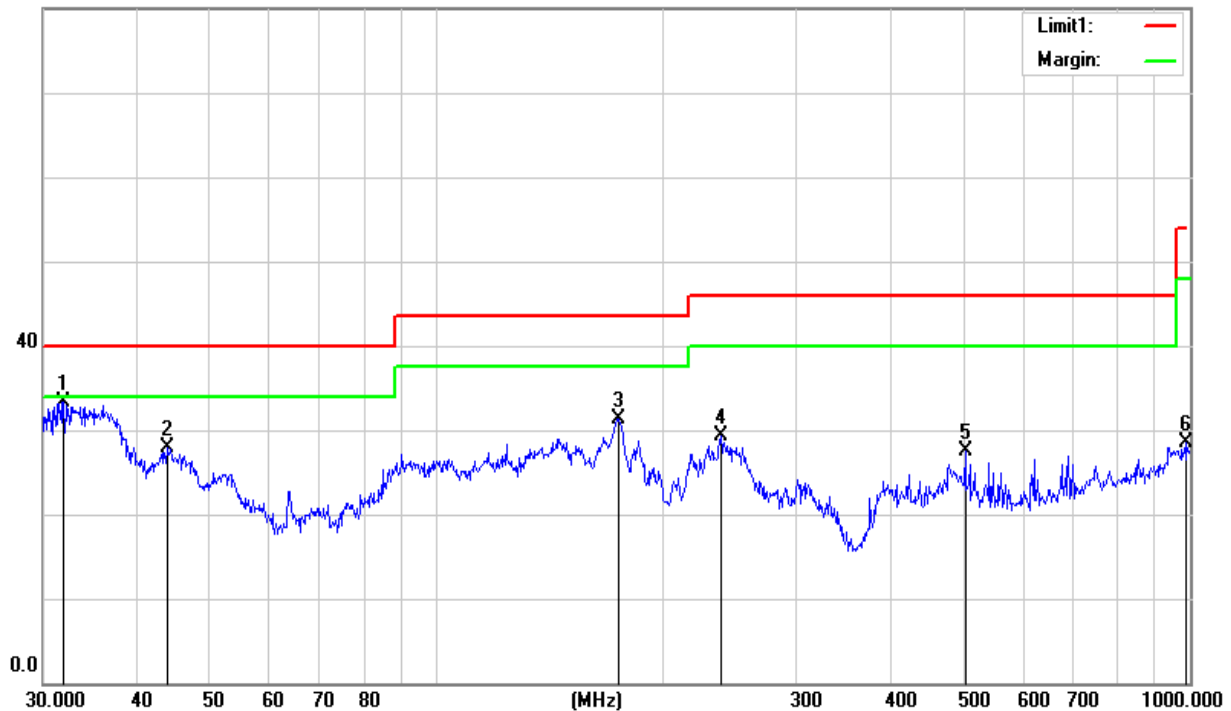
The following table shows the highest levels of radiated emissions on polarizations of vertical

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
31.9546	45.47	-12.20	33.27	40.00	-6.73	QP
43.8120	46.19	-18.29	27.90	40.00	-12.10	QP
174.4241	50.61	-19.38	31.23	43.50	-12.27	QP
238.3102	47.18	-17.88	29.30	46.00	-16.70	QP
502.9395	36.46	-8.89	27.57	46.00	-18.43	QP
989.5355	28.58	-0.11	28.47	54.00	-25.53	QP

Remark:

1. Margin = Result (Result =Reading + Factor)-Limit

80.0 dBuV/m





Temperature :	25.5 °C	Relative Humidity :	57%
Test Voltage :	DC 5V	Test Mode :	Mode 1

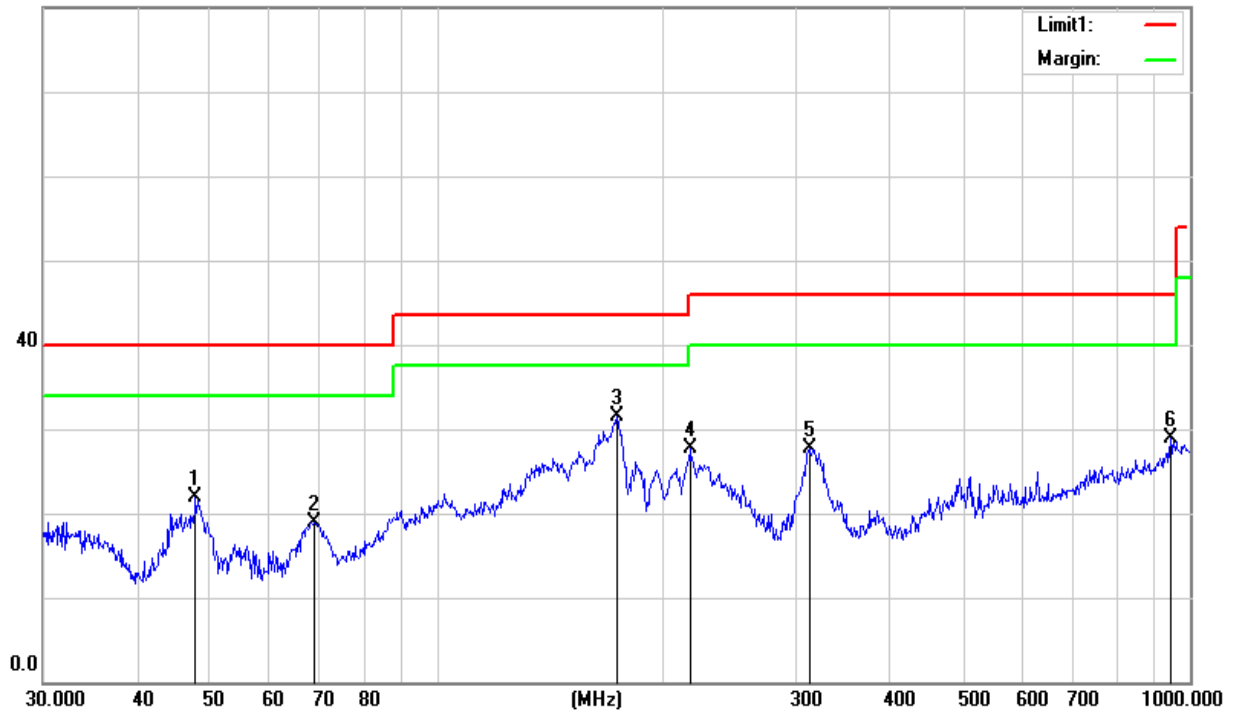
The following table shows the highest levels of radiated emissions on polarizations of horizontal

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
47.8260	42.30	-20.36	21.94	40.00	-18.06	QP
68.6310	43.14	-24.14	19.00	40.00	-21.00	QP
173.2051	50.87	-19.36	31.51	43.50	-11.99	QP
216.7828	46.95	-19.32	27.63	46.00	-18.37	QP
313.2760	42.06	-14.38	27.68	46.00	-18.32	QP
942.1305	29.49	-0.65	28.84	46.00	-17.16	QP

Remark:

1. Margin = Result (Result = Reading + Factor)-Limit

80.0 dBuV/m





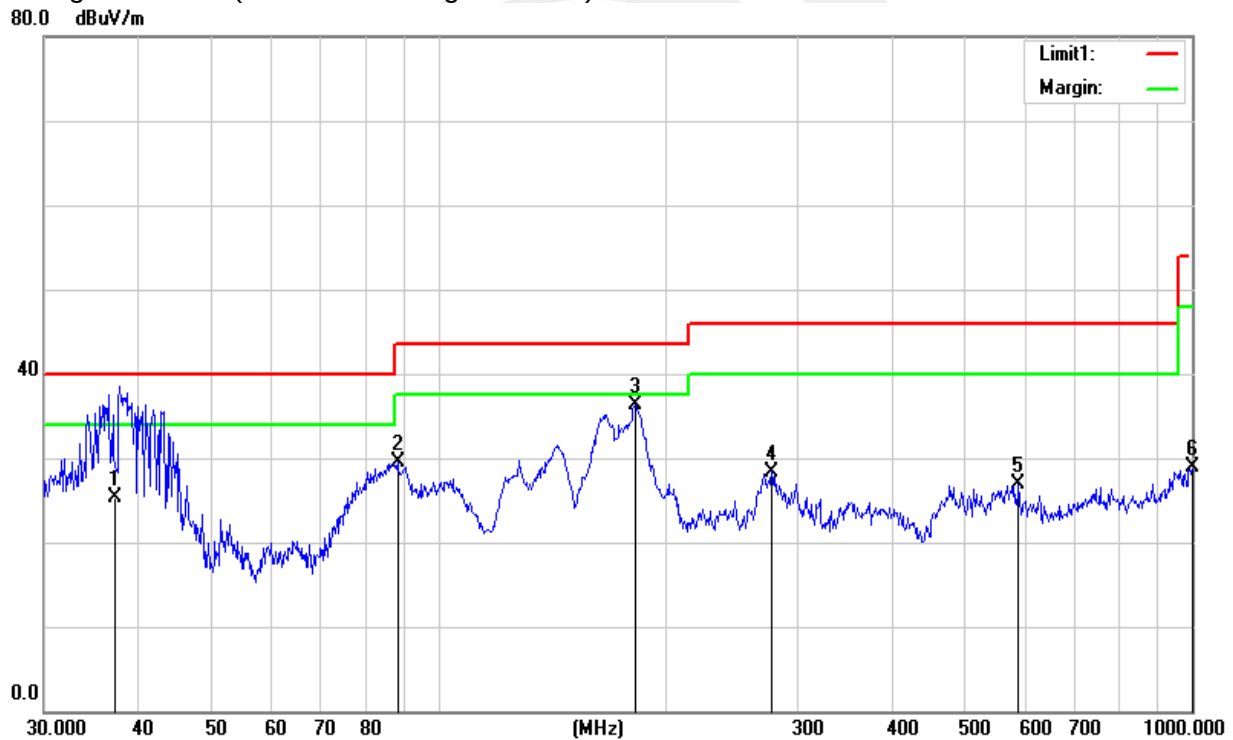
Temperature :	22.1 °C	Relative Humidity :	54%
Test Voltage :	DC 9V	Test Mode :	Mode 1

The following table shows the highest levels of radiated emissions on polarizations of vertical

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
37.3796	40.33	-14.98	25.35	40.00	-14.65	QP
88.3421	50.16	-20.62	29.54	43.50	-13.96	QP
182.5592	56.00	-19.65	36.35	43.50	-7.15	QP
277.0935	44.11	-15.71	28.40	46.00	-17.60	QP
588.9051	33.77	-6.90	26.87	46.00	-19.13	QP
1000.0000	29.05	-0.07	28.98	54.00	-25.02	QP

Remark:

1. Margin = Result (Result = Reading + Factor) – Limit





Temperature :	22.1 °C	Relative Humidity :	54%
Test Voltage :	DC 9V	Test Mode :	Mode 1

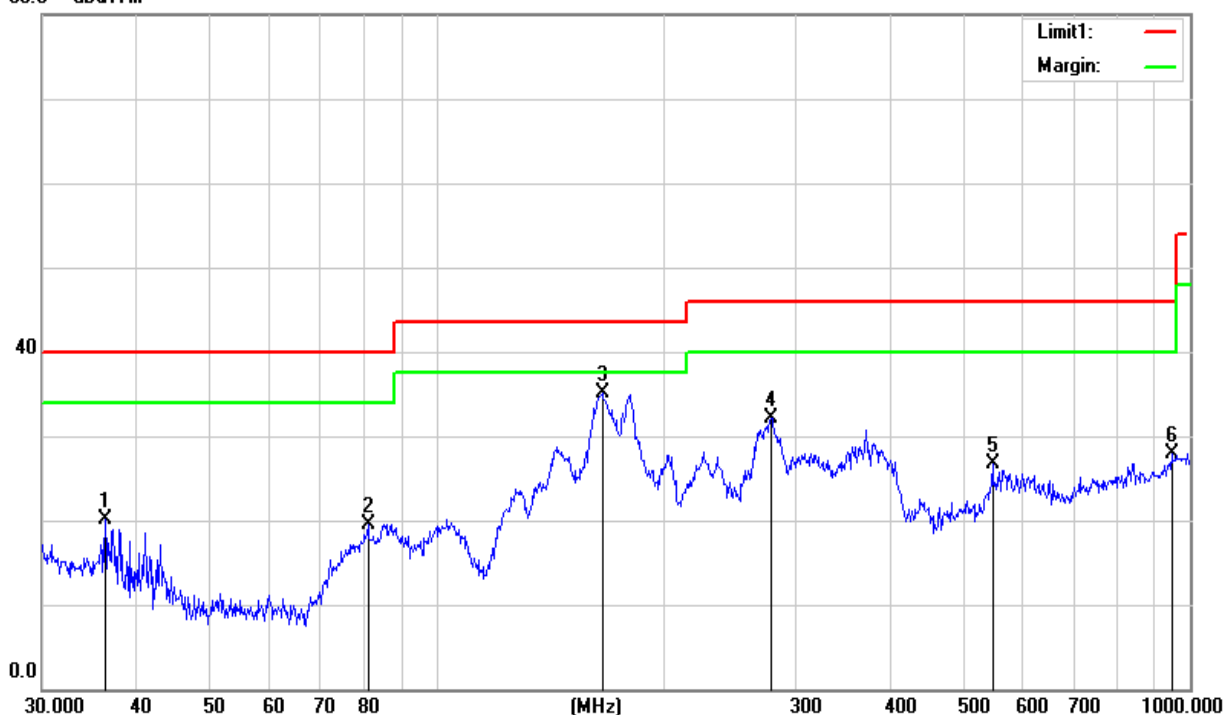
The following table shows the highest levels of radiated emissions on polarizations of horizontal

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
36.3814	34.64	-14.47	20.17	40.00	-19.83	QP
81.2117	41.98	-22.40	19.58	40.00	-20.42	QP
166.0680	54.14	-19.00	35.14	43.50	-8.36	QP
278.0668	47.93	-15.73	32.20	46.00	-13.80	QP
547.0977	33.64	-6.85	26.79	46.00	-19.21	QP
945.4400	28.52	-0.54	27.98	46.00	-18.02	QP

Remark:

1. Margin = Result (Result = Reading + Factor) – Limit

80.0 dBuV/m



Note: The charging of < 1% Battery, 50% Battery, > 99% Battery all has been tested, the worst case is charging of < 1% Battery, only shown the worst case in this report.



5. 20 DB BANDWIDTH TEST

5.1 Limit

FCC Part 2.1049, Only applicable to report.

5.2 TEST SETUP

Spectrum Parameter	Setting
Span Frequency	approximately 2 to 3 times the 20 dB bandwidth
RB	greater than 1 % of the 20 dB bandwidth,
VB	equal to the RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

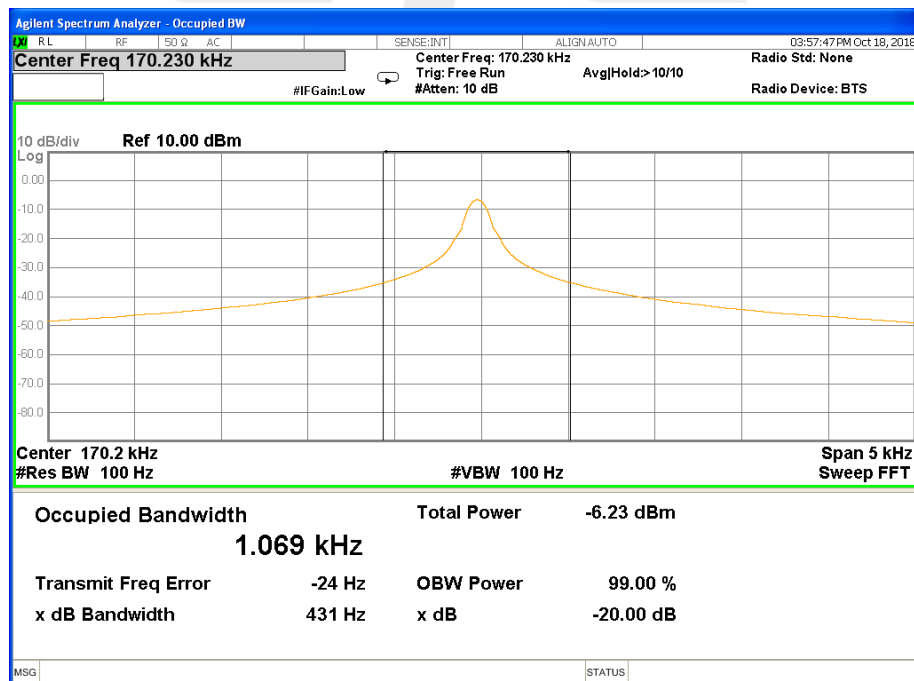
The test program and configuration, Refer to 4.2 and 4.3

5.3 TEST RESULTS

Test voltage: DC 5V

Operating Frequency (kHz)	20 dB Bandwidth(Hz)
170.23	431

CH01

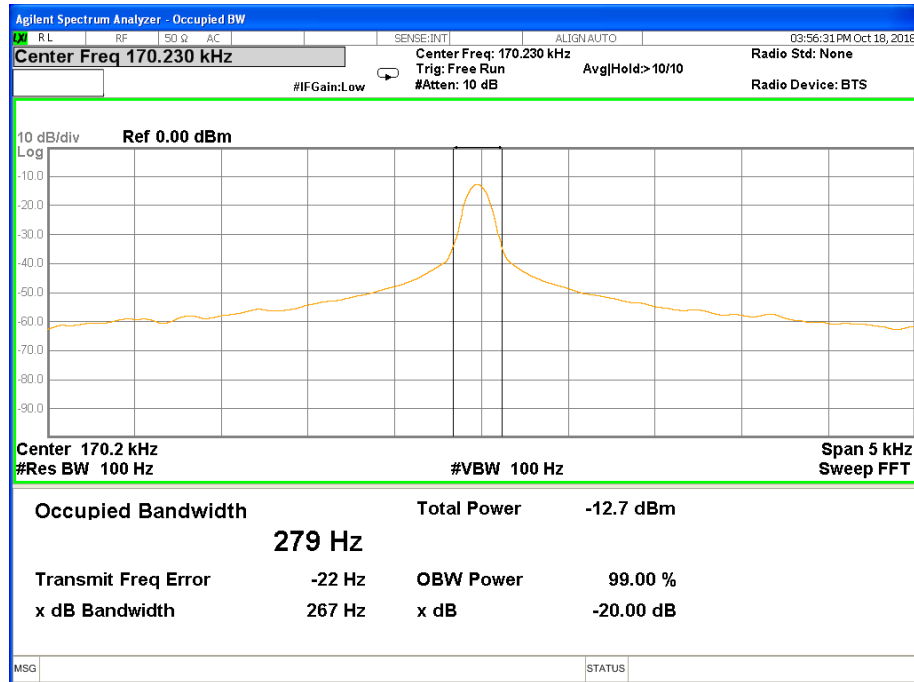




Test voltage: DC 9V

OperatingFrequency (kHz)	20 dB Bandwidth(Hz)
170.23	267

CH01



Note: The charging of < 1% Battery, 50% Battery, > 99% Battery all has been tested, the worst case is charging of < 1% Battery, only shown the worst case in this report.



APPENDIX-PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

※※※※※END OF THE REPORT※※※※※

