

FCC PART 15.249

TEST REPORT

For

HHC Changzhou Corp.

No 61, Xinggang Road, Zhonglou District, Changzhou, Jiangsu, China, 213023

FCC ID: 2AEQWCB20HHC011

Report Type: Original Report	Product Type: Control Box
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Report Number: <u>RSA180329001-00A</u>	
Report Date: <u>2018-06-06</u>	
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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant	HHC Changzhou Corp.
Tested Model	CB20B
Product Type	Control Box
Dimension	256 mm(L)×95 mm(W)×37 mm(H)
Power Supply	DC 29V from adapter

All measurement and test data in this report was gathered from production sample serial number: 20180329001. (Assigned by BACL, Kunshan). The EUT was received on 2018-03-29.

Objective

This type approval report is prepared on behalf of *HHC Changzhou Corp.* in accordance with Part 2-Subpart J, and Part 15-Subparts A and C of the Federal Communication Commissions rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.209 and 15.249 rules.

Related Submittal(s)/Grant(s)

FCC Part15.249 DXX grant with FCC ID: 2AEQWCH13HHC009.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

All radiated and conducted emissions measurement was performed at Bay Area Compliance Lab Corp. (Kunshan). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Measurement Uncertainty

Item		Uncertainty
AC Power Lines Conducted Emissions		3.19 dB
RF conducted test with spectrum		0.9dB
RF Output Power with Power meter		0.5dB
Radiated emission	30MHz~1GHz	6.11dB
	1GHz~6GHz	4.45dB
	6GHz~18GHz	5.23dB
	18GHz~40GHz	5.65dB
Occupied Bandwidth		0.5kHz
Temperature		1.0°C
Humidity		6%

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the No.248 Chenghu Road, Kunshan, Jiangsu province, China.

Bay Area Compliance Laboratories Corp. (Kunshan) Lab is accredited to ISO/IEC 17025 by A2LA (Lab code: 4323.01) and the FCC designation No. CN1185 under the FCC KDB 974614 D01. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2014.

SYSTEM TEST CONFIGURATION

Justification

The system was configured in testing mode which was provided by manufacturer, below is the channel list:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2403	40	2442
2	2404	...	...
3	2405	...	...
...	...	...	...
38	2440	77	2479
39	2441	78	2480

EUT was tested with Channel 1, 38 and 78.

EUT Exercise Software

No software was used during the test.

Support Equipment List and Details

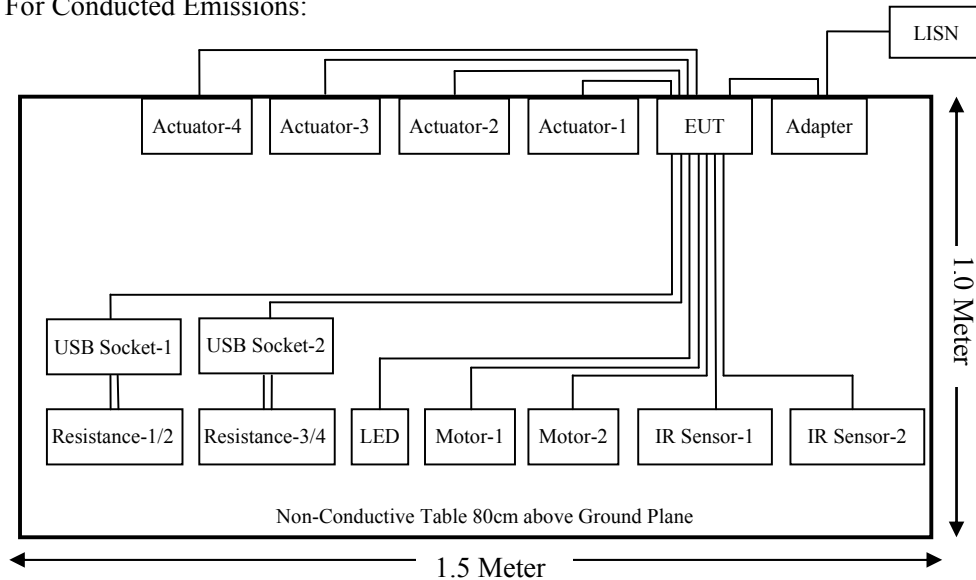
Manufacturer	Description	Model	Serial Number
HHC	IR Sensor-1	/	/
HHC	IR Sensor-2	/	/
HHC	USB Socket-1	CM002	/
HHC	USB Socket-2	CM002	/
HHC	Resistance-1	/	/
HHC	Resistance-2	/	/
HHC	Resistance-3	/	/
HHC	Resistance-4	/	/
HHC	Actuator-1	LMD40420	201803230169
HHC	Actuator-2	LMD40420	201801240004
HHC	Actuator-3	LMD40420	201803230014
HHC	Actuator-4	LMD40420	201801240003
HHC	Motor-1	MS02	MS021707180913
HHC	Motor-2	MS02	MS021707180931
HHC	LED	CDD01B	/
RBD	Adapter Input: AC100-240V, 50/60Hz, 1.5A Output: DC29V, 2A	W58RA198-290020	UL60950*POORD017412RSC5754

External I/O Cable

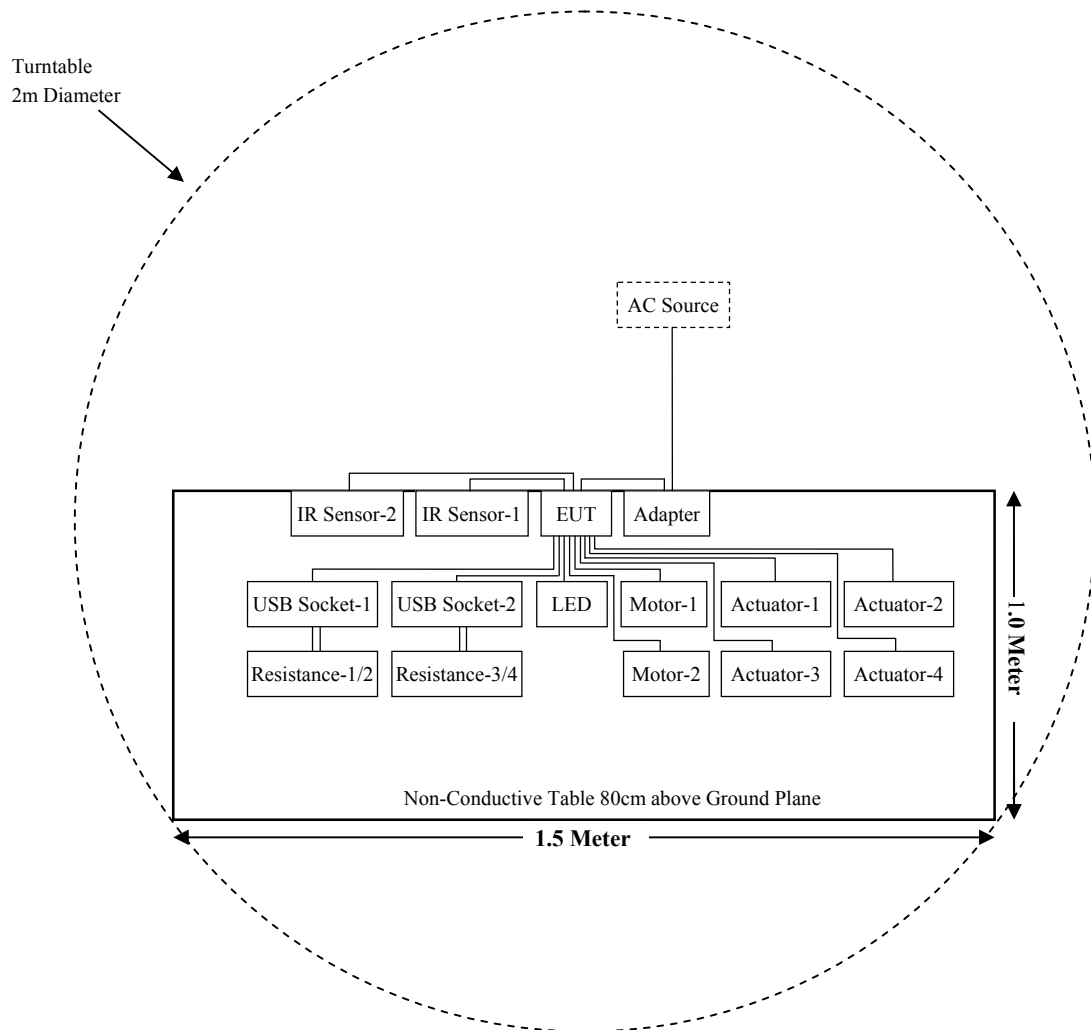
Cable Description	Shielding Type	Length (m)	From Port	To
USB Cable-1	Un-shielding	1.2	USB Socket-1	Resistance-1
USB Cable-2	Un-shielding	1.2	USB Socket-1	Resistance-2
USB Cable-3	Un-shielding	1.2	USB Socket-2	Resistance-3
USB Cable-4	Un-shielding	1.2	USB Socket-2	Resistance-4
Power Cable-1	Un-shielding	1.2	EUT	Adapter
Power Cable-2	Un-shielding	2.0	Adapter	AC Source/LISN

Block Diagram of Test Setup

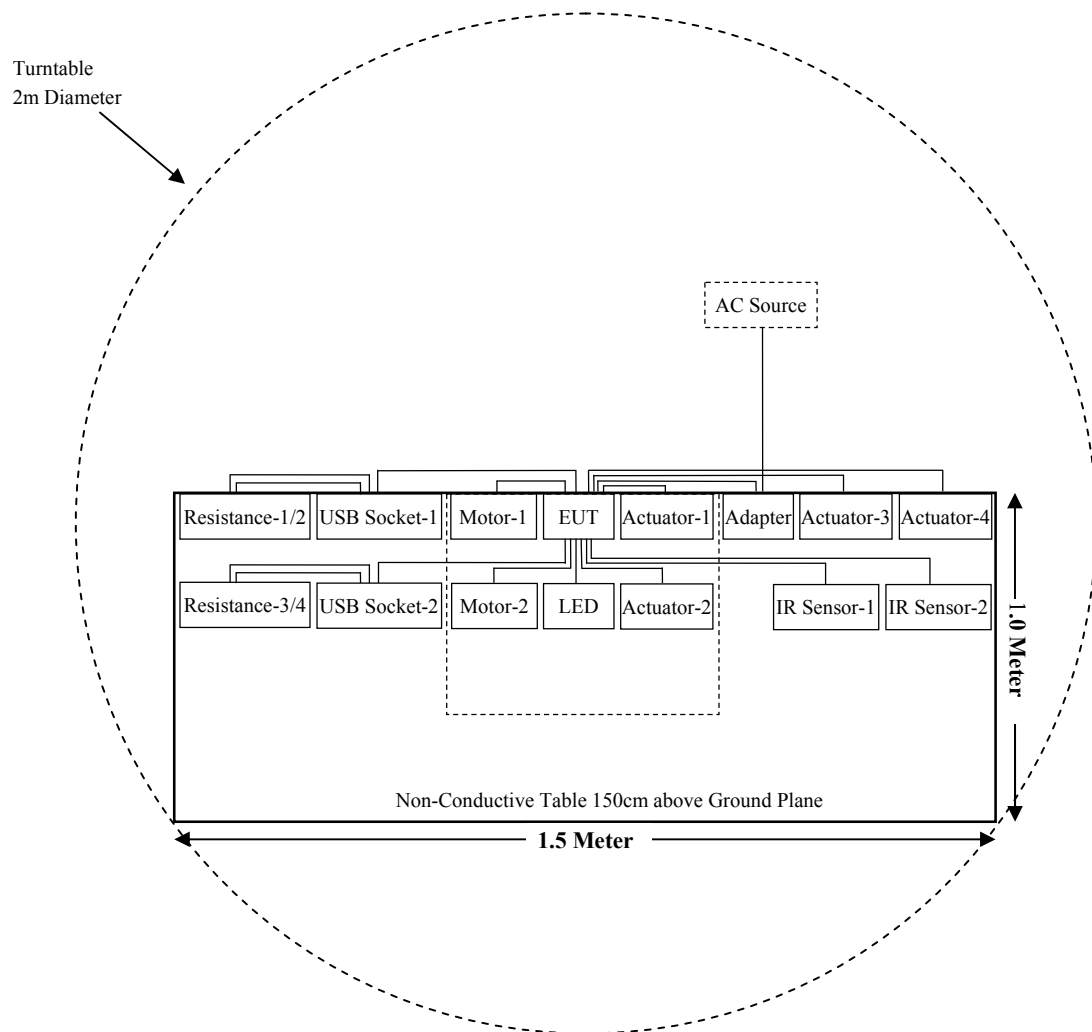
For Conducted Emissions:



For Radiated Emissions(Below 1GHz):



For Radiated Emissions(Above 1GHz):



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliance
§15.207(a)	Conduction Emissions	Compliance
15.205, §15.209, §15.249	Radiated Emissions& Out of Band Emission	Compliance
§15.215 (c)	20 dB Bandwidth	Compliance

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test (Chamber 1#)					
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2017-11-12	2018-11-11
Sunol Sciences	Broadband Antenna	JB3	A090413-1	2016-12-26	2019-12-25
Sonoma Instrument	Pre-amplifier	310N	171205	2017-08-15	2018-08-14
Rohde & Schwarz	Auto test Software	EMC32	100361	/	/
MICRO-COAX	Coaxial Cable	Cable-8	008	2017-08-15	2018-08-14
MICRO-COAX	Coaxial Cable	Cable-9	009	2017-08-15	2018-08-14
MICRO-COAX	Coaxial Cable	Cable-10	010	2017-08-15	2018-08-14
Radiated Emission Test (Chamber 2#)					
Rohde & Schwarz	EMI Test Receiver	ESU40	100207	2017-08-27	2018-08-26
Rohde & Schwarz	Signal Analyzer	FSIQ26	836131/009	2017-09-21	2018-09-20
ETS-LINDGREN	Horn Antenna	3115	6229	2016-01-11	2019-01-10
ETS-LINDGREN	Horn Antenna	3116	00084159	2016-10-18	2019-10-17
MICRO-TRONICS	Notch Filter	BRM50702	/	2017-08-05	2018-08-04
Mini-Circuits	Amplifier	ZVA-183W-S+	220701818	2018-05-20	2019-05-19
EM Electronics Corporation	Amplifier	EM18G40G	060726	2018-03-22	2019-03-21
Narda	Attenuator/10dB	10dB	/	2017-08-15	2018-08-14
Rohde & Schwarz	Auto test Software	EMC32	100361	/	/
MICRO-COAX	Coaxial Cable	Cable-6	006	2017-08-15	2018-08-14
MICRO-COAX	Coaxial Cable	Cable-11	011	2017-08-15	2018-08-14
MICRO-COAX	Coaxial Cable	Cable-12	012	2017-08-15	2018-08-14
MICRO-COAX	Coaxial Cable	Cable-13	013	2017-08-15	2018-08-14
RF Conducted Test					
Rohde & Schwarz	Signal Analyzer	FSIQ26	836131/009	2017-09-21	2018-09-20
Narda	Attenuator/10dB	10dB	/	2017-08-15	2018-08-14
HHC	RF Cable	/	/	Each Time	/
Conducted Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESCS30	834115/007	2017-11-12	2018-11-11
Rohde & Schwarz	LISN	ENV216	3560655016	2017-11-25	2018-11-24
BACL	Auto test Software	BACL-EMC	CE001	/	/
Narda	Attenuator/6dB	10690812-2	26850-6	2018-01-10	2019-01-09
MICRO-COAX	Coaxial Cable	Cable-15	015	2017-08-15	2018-08-14

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Kunshan) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC§15.203 - ANTENNA REQUIREMENT

Applicable Standard

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.

Antenna Connector Construction

The EUT has a PCB antenna and antenna gain is 2dBi, which was permanently attached, fulfill the requirement of this section, please refer to the EUT photos.

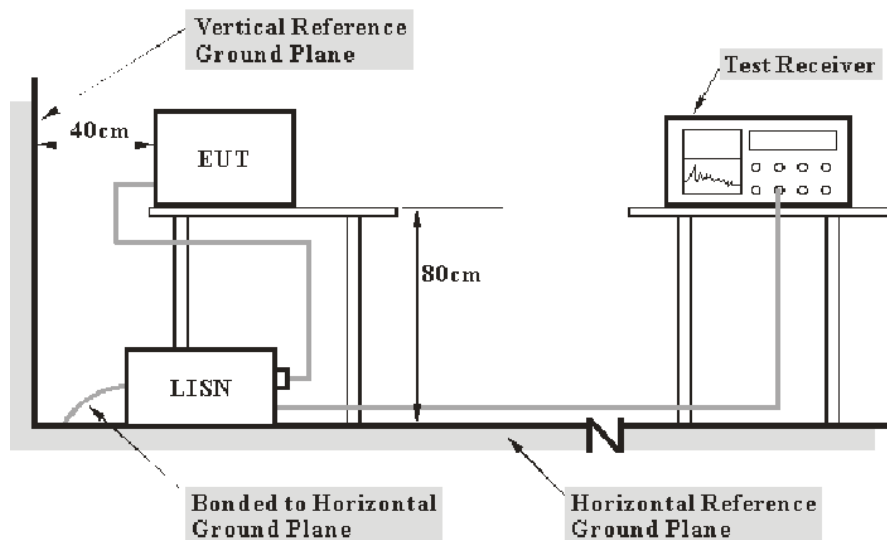
Result: Compliant.

FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC §15.207(a)

EUT Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The measurement procedure of EUT setup is according with ANSI C63.10-2013. The related limit was specified in FCC Part 15.207.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All final data was recorded in the Quasi-peak and average detection mode.

Corrected Factor & Margin Calculation

The Corrected factor is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation. The basic equation is as follows:

$$\text{Corrected Factor} = \text{LISN VDF} + \text{Cable Loss} + \text{Transient Limiter Attenuation}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7 dB means the emission is 7 dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Reading}$$

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.207.

Test Data

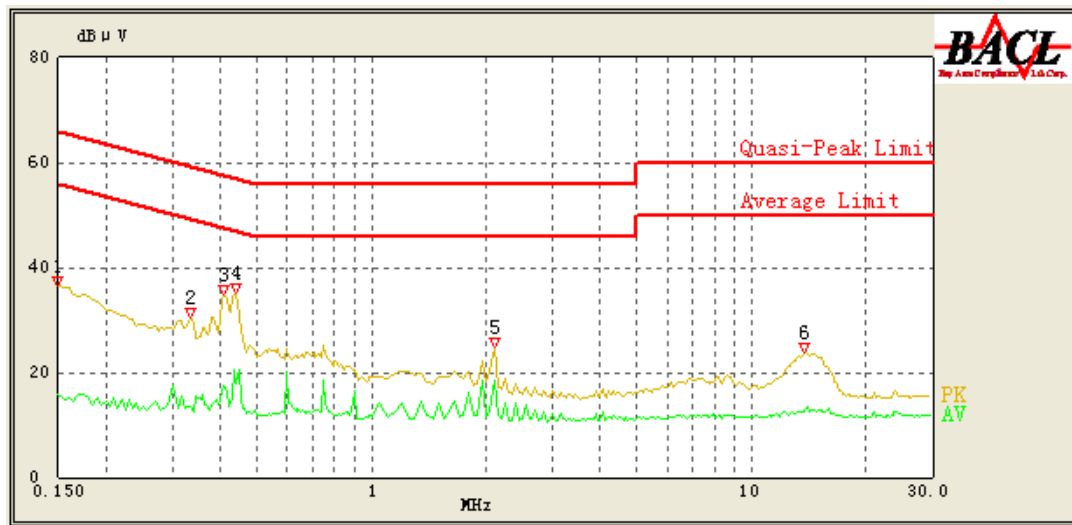
Environmental Conditions

Temperature:	23.4 °C
Relative Humidity:	49 %
ATM Pressure:	101.1 kPa

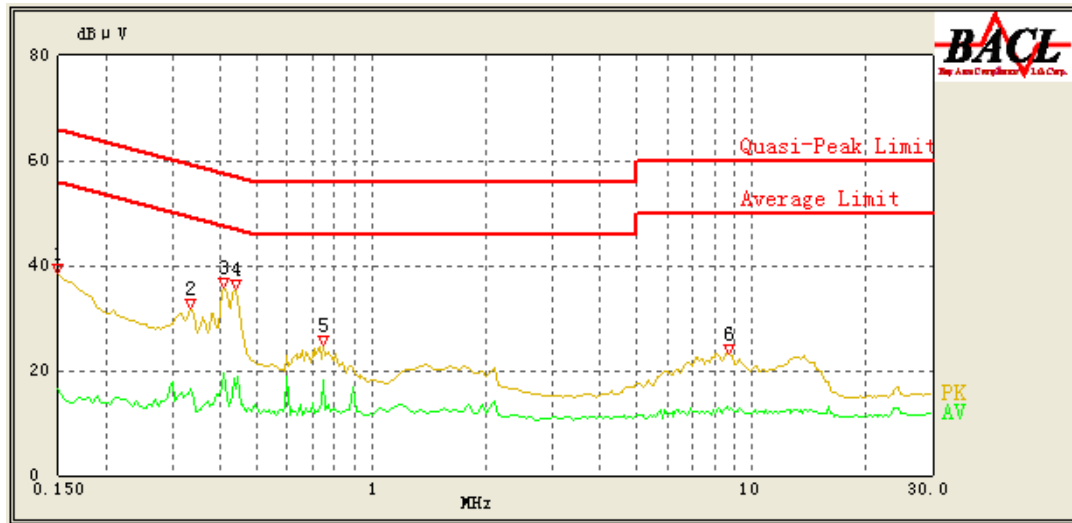
The testing was performed by Stone Zhang on 2018-06-04.

EUT operation mode: Transmitting

AC 120V/60 Hz, Line



Frequency (MHz)	Reading (dBμV)	Detector (PK/AV/QP)	Bandwidth (kHz)	Line	Corrected Factor (dB)	Limit (dBμV)	Margin (dB)	Comment
0.150	36.38	QP	9.000	L1	16.06	66.00	29.62	Compliance
0.150	15.98	AV	9.000	L1	16.06	56.00	40.02	Compliance
0.335	30.47	QP	9.000	L1	16.04	60.71	30.24	Compliance
0.335	13.38	AV	9.000	L1	16.04	50.71	37.33	Compliance
0.410	34.90	QP	9.000	L1	16.06	58.57	23.67	Compliance
0.410	17.47	AV	9.000	L1	16.06	48.57	31.10	Compliance
0.440	35.17	QP	9.000	L1	16.07	57.71	22.54	Compliance
0.440	17.71	AV	9.000	L1	16.07	47.71	30.00	Compliance
2.100	24.76	QP	9.000	L1	15.85	56.00	31.24	Compliance
2.100	18.52	AV	9.000	L1	15.85	46.00	27.48	Compliance
13.750	23.90	QP	9.000	L1	16.17	60.00	36.10	Compliance
13.800	12.95	AV	9.000	L1	16.17	50.00	37.05	Compliance

AC 120V/60 Hz, Neutral

Frequency (MHz)	Reading (dBμV)	Detector (PK/AV/QP)	Bandwidth (kHz)	Line	Corrected Factor (dB)	Limit (dBμV)	Margin (dB)	Comment
0.150	38.35	QP	9.000	N	16.06	66.00	27.65	Compliance
0.150	16.59	AV	9.000	N	16.06	56.00	39.41	Compliance
0.335	31.67	QP	9.000	N	16.08	60.71	29.04	Compliance
0.335	16.36	AV	9.000	N	16.08	50.71	34.35	Compliance
0.410	35.93	QP	9.000	N	16.09	58.57	22.64	Compliance
0.410	19.58	AV	9.000	N	16.09	48.57	28.99	Compliance
0.440	35.48	QP	9.000	N	16.10	57.71	22.23	Compliance
0.440	16.39	AV	9.000	N	16.10	47.71	31.32	Compliance
0.750	24.91	QP	9.000	N	15.98	56.00	31.09	Compliance
0.745	18.25	AV	9.000	N	15.98	46.00	27.75	Compliance
8.700	23.24	QP	9.000	N	15.96	60.00	36.76	Compliance
8.750	12.35	AV	9.000	N	15.96	50.00	37.65	Compliance

Note:

- 1) Corrected Factor = LISN VDF + Cable Loss + Transient Limiter Attenuation
- 2) Margin = Limit – Reading

FCC§15.205, §15.209&§15.249- RADIATED EMISSIONS& OUT OF BAND EMISSION

Applicable Standard

As per FCC§15.249 (a), except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

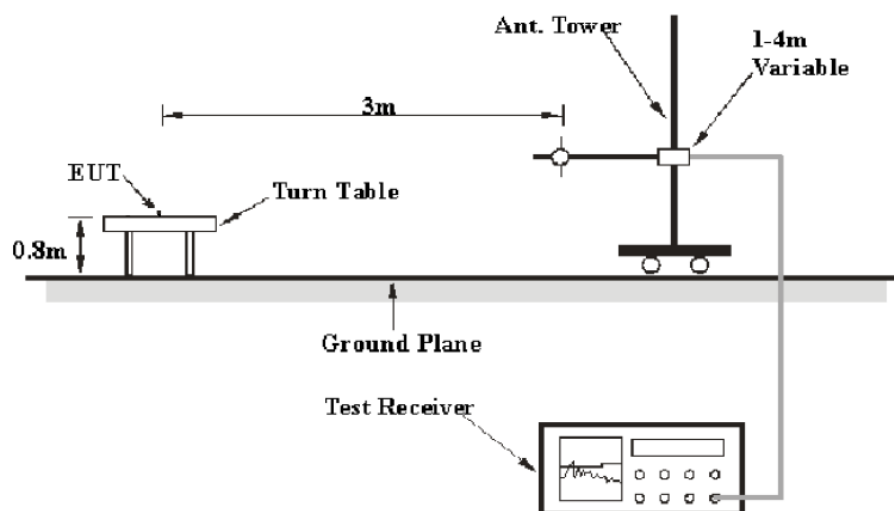
Fundamental frequency	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)
902–928 MHz	50	500
2400–2483.5 MHz	50	500
5725–5875 MHz	50	500
24.0–24.25 GHz	250	2500

As per FCC§15.249 (c), Field strength limits are specified at a distance of 3 meters.

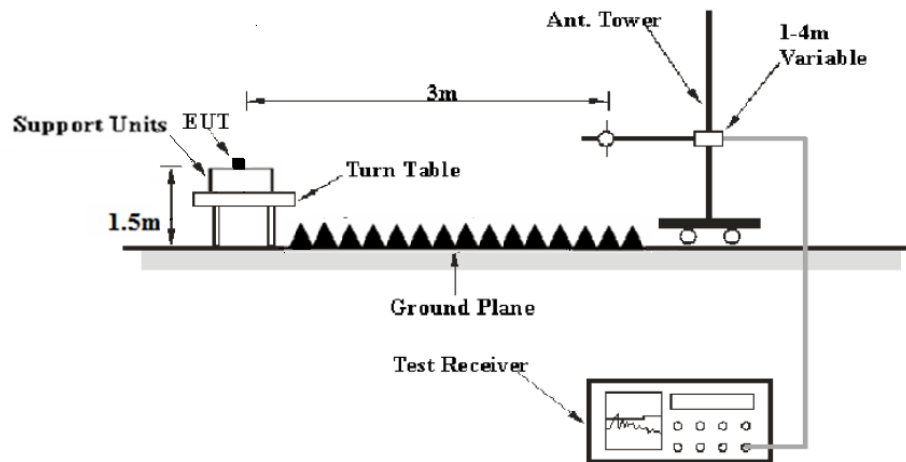
(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

EUT Setup

Below 1 GHz:



Above 1 GHz:



The radiated emission and out of band emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209/15.205 and FCC 15.249 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

Test Equipment Setup

The system was investigated from 30 MHz to 25 GHz.

During the radiated emission test, the EMI test receiver setup was set with the following configurations:

Frequency Range	RBW	Video B/W	IF B/W	Detector
30 MHz – 1000 MHz	120 kHz	300 kHz	120 kHz	QP
Above 1GHz	1MHz	3 MHz	/	PK
	1MHz	3 MHz	/	Ave

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

Data was recorded in Quasi-peak detection mode for frequency range of 30 MHz-1 GHz, peak and Average detection modes for frequencies above 1 GHz.

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

$$\text{Corrected Amplitude} = \text{Meter Reading} + \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Corrected Amplitude}$$

Test Results Summary

According to the data in the following table, the EUT complied with the FCC Part 15.209 &15.205 & 15.249.

Test Data

Environmental Conditions

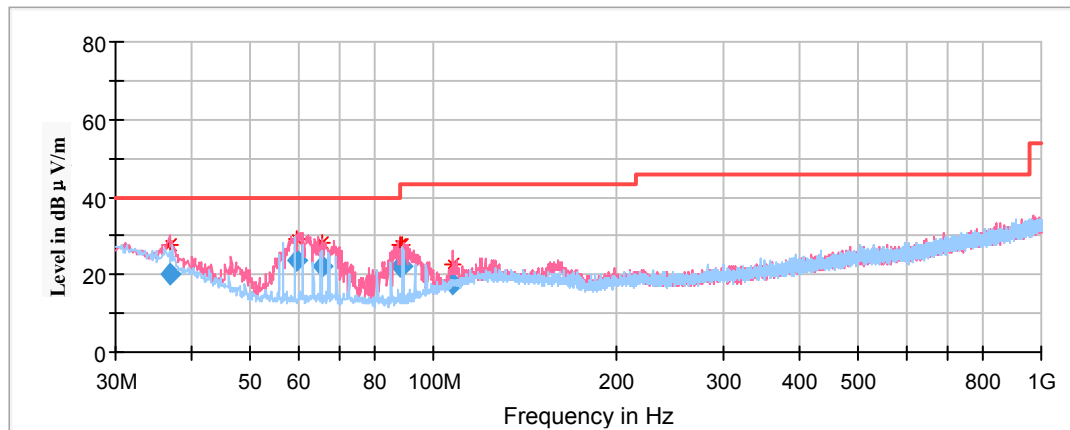
Temperature:	24.2°C
Relative Humidity:	50%
ATM Pressure:	101.3kPa

The testing was performed by Stone Zhang on 2018-06-04.

Test Mode: Transmitting

Spurious Emission Test:**30MHz-1GHz**

(Pre-scan with low, middle and high channels of operation in the X,Y and Z axes of orientation, the worst case **high** channel of operation in X-axis of orientation was recorded)



Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	Quasi-peak (dB μ V/m)	Height (cm)	Polar (H/V)				
36.979900	20.18	101.0	V	21.0	-9.1	40.00	19.82
59.530800	23.69	101.0	V	359.0	-18.4	40.00	16.31
65.837300	22.14	101.0	V	256.0	-18.0	40.00	17.86
88.103900	22.27	101.0	V	340.0	-18.0	43.50	21.23
88.787800	22.13	101.0	V	0.0	-17.9	43.50	21.37
107.835000	17.59	101.0	V	245.0	-13.9	43.50	25.91

1GHz-18GHz

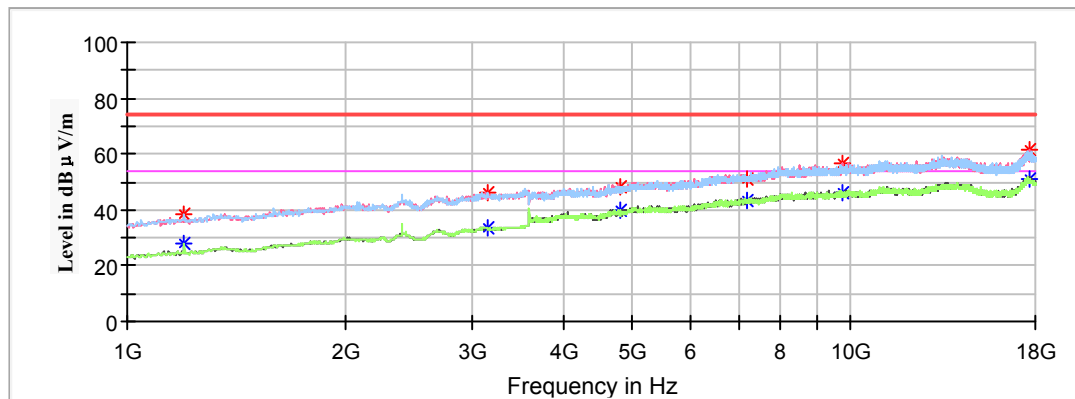
(Pre-scan in the X,Y and Z axes of orientation, the worst case X-axis of orientation was recorded.)

Note:

1. This test was performed with the 2.4-2.5GHz notch filter.
2. Corrected Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor
Corrected Amplitude = Corrected Factor + Reading
Margin = Limit – Corrected. Amplitude

Low Channel: 2403MHz

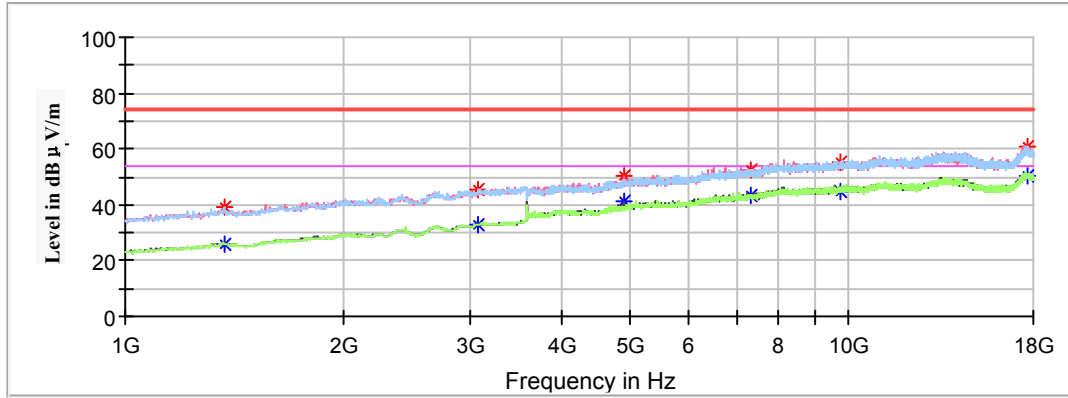
Full Spectrum



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	MaxPeak (dBμV /m)	Average (dBμV /m)	Height (cm)	Polar (H/V)				
1200.600000	---	28.12	200.0	H	215.0	-3.0	54.00	25.88
1200.600000	38.74	---	200.0	H	215.0	-3.0	74.00	35.26
3142.000000	---	33.50	200.0	H	301.0	6.4	54.00	20.50
3142.000000	46.30	---	150.0	H	273.0	6.4	74.00	27.70
4806.000000	---	39.84	200.0	H	1.0	10.7	54.00	14.16
4806.000000	48.20	---	100.0	H	353.0	10.7	74.00	25.80
7209.000000	---	43.70	100.0	H	8.0	15.2	54.00	10.30
7209.000000	51.03	---	200.0	H	35.0	15.2	74.00	22.97
9717.600000	---	45.82	200.0	V	359.0	18.0	54.00	8.18
9717.600000	56.35	---	150.0	V	46.0	18.0	74.00	17.65
17615.800000	---	50.99	200.0	V	183.0	23.0	54.00	3.01
17615.800000	61.34	---	150.0	V	131.0	23.0	74.00	12.66

Middle Channel: 2440MHz

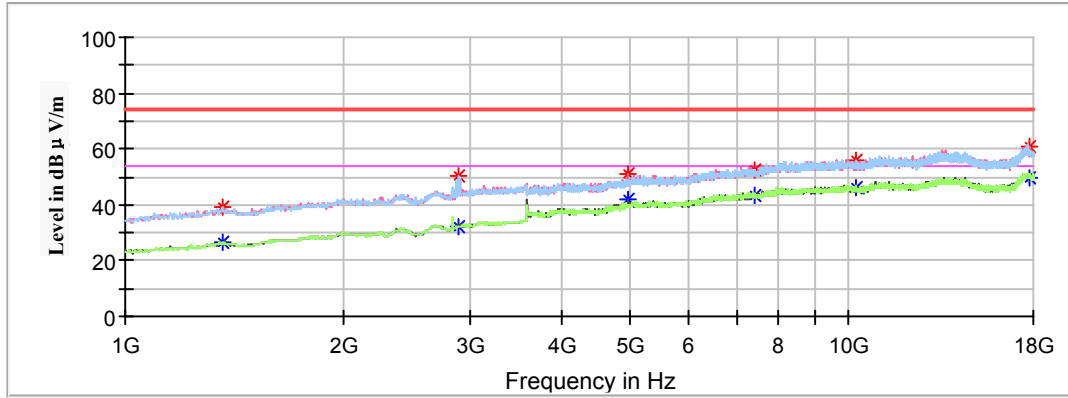
Full Spectrum



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dB μ V/m)	Margin (dB)
	MaxPeak (dB μ V /m)	Average (dB μ V /m)	Height (cm)	Polar (H/V)				
1370.600000	---	25.94	100.0	H	143.0	-2.0	54.00	28.06
1370.600000	39.12	---	150.0	H	190.0	-2.0	74.00	34.88
3074.000000	---	32.77	150.0	H	211.0	6.2	54.00	21.23
3074.000000	45.50	---	100.0	H	229.0	6.2	74.00	28.50
4880.000000	---	41.11	200.0	H	189.0	11.1	54.00	12.89
4880.000000	50.18	---	100.0	H	273.0	11.1	74.00	23.82
7320.000000	---	43.12	100.0	H	218.0	15.4	54.00	10.88
7320.000000	52.80	---	200.0	H	15.0	15.4	74.00	21.20
9721.000000	---	45.09	150.0	V	113.0	18.0	54.00	8.91
9721.000000	55.04	---	150.0	V	113.0	18.0	74.00	18.96
17643.000000	---	50.42	150.0	V	156.0	22.9	54.00	3.58
17643.000000	60.65	---	150.0	V	156.0	22.9	74.00	13.35

High Channel: 2480MHz

Full Spectrum

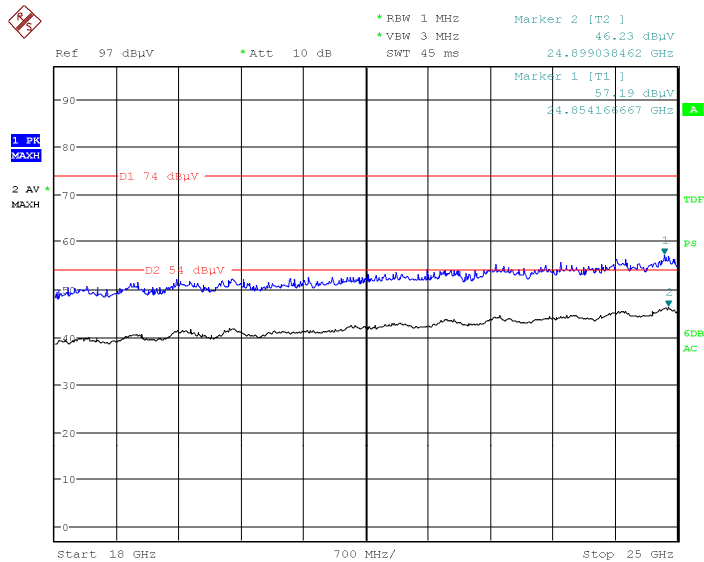


Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dB μ V/m)	Margin (dB)
	MaxPeak (dB μ V /m)	Average (dB μ V /m)	Height (cm)	Polar (H/V)				
1367.200000	---	26.62	200.0	V	33.0	-2.0	54.00	27.38
1367.200000	38.85	---	200.0	V	33.0	-2.0	74.00	35.15
2893.800000	---	32.42	200.0	H	174.0	5.4	54.00	21.58
2893.800000	50.59	---	100.0	H	0.0	5.4	74.00	23.41
4960.000000	---	41.86	200.0	H	189.0	11.5	54.00	12.14
4960.000000	50.82	---	150.0	H	200.0	11.5	74.00	23.18
7440.000000	---	43.52	150.0	H	191.0	15.6	54.00	10.48
7440.000000	52.32	---	150.0	H	191.0	15.6	74.00	21.68
10265.000000	---	45.89	150.0	H	317.0	18.1	54.00	8.11
10265.000000	55.86	---	100.0	H	207.0	18.1	74.00	18.14
17738.200000	---	49.90	100.0	V	163.0	22.8	54.00	4.10
17738.200000	60.58	---	150.0	V	118.0	22.8	74.00	13.42

18GHz-25GHz

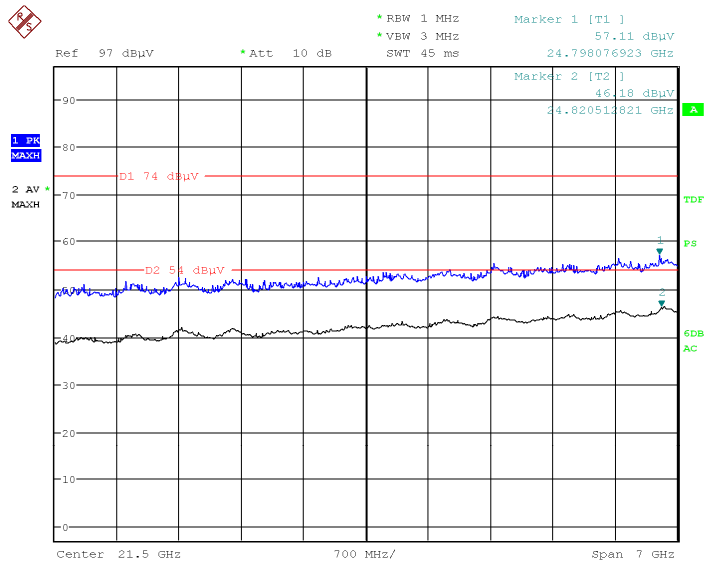
(Pre-scan with low, middle and high channels of operation in the X,Y and Z axes of orientation, the worst case **high** channel of operation in X-axis of orientation was recorded)

Horizontal



Date: 4.JUN.2018 14:30:58

Vertical



Date: 4.JUN.2018 14:41:12

Fundamental Test & Restricted Bands Emissions Test:*(Pre-scan in the X, Y and Z axes of orientation, the worst case X-axis of orientation was recorded.)*

Note:

1. Corrected Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor
2. Corrected Amplitude = Corrected Factor + Reading
3. Margin = Limit - Corrected. Amplitude

Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	MaxPeak (dBμV /m)	Average (dBμV /m)	Height (cm)	Polar (H/V)				
Low Channel: 2403MHz								
2400.000000	55.79	---	100.0	H	122.0	5.1	74.00	18.21
2400.000000	---	45.98	100.0	H	122.0	5.1	54.00	8.02
2403.000000	---	89.59	200.0	H	234.0	5.1	94.00	4.41
2403.000000	90.24	---	200.0	H	234.0	5.1	114.00	23.76
2403.000000	---	87.73	100.0	V	200.0	5.1	94.00	6.27
2403.000000	88.36	---	100.0	V	200.0	5.1	114.00	25.64
Middle Channel: 2440MHz								
2440.000000	90.86	---	250.0	H	107.0	5.2	114.00	23.14
2440.000000	---	89.98	250.0	H	107.0	5.2	94.00	4.02
2440.000000	88.96	---	200.0	V	126.0	5.2	114.00	25.04
2440.000000	---	88.13	200.0	V	126.0	5.2	94.00	5.87
High Channel: 2480MHz								
2480.000000	91.14	---	150.0	H	124.0	5.3	114.00	22.86
2480.000000	---	90.23	150.0	H	124.0	5.3	94.00	3.77
2480.000000	89.25	---	100.0	V	224.0	5.3	114.00	24.75
2480.000000	---	88.32	100.0	V	224.0	5.3	94.00	5.68
2483.500000	---	46.23	200.0	H	108.0	5.3	54.00	7.77
2483.500000	56.63	---	200.0	H	108.0	5.3	74.00	17.37

FCC §15.215(c) – 20 dB BANDWIDTH TESTING

Applicable Standard

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT on the test table without connection to measurement instrument. Turn on the EUT. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
3. Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth.
4. Repeat above procedures until all frequencies measured were complete.

Test Data

Environmental Conditions

Temperature:	24.2°C
Relative Humidity:	50%
ATM Pressure:	101.3kPa

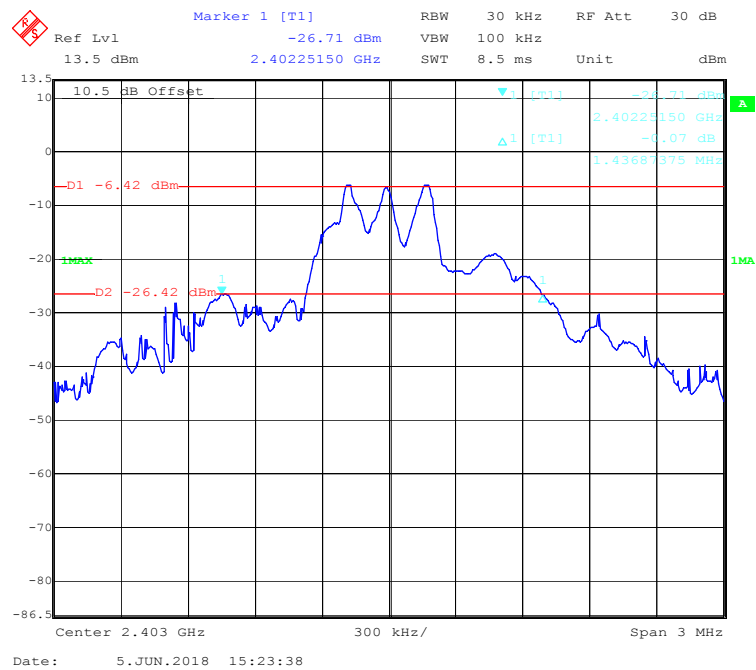
The testing was performed by Stone Zhang on 2018-06-04 & 2018-06-05.

Test Result: Compliant.

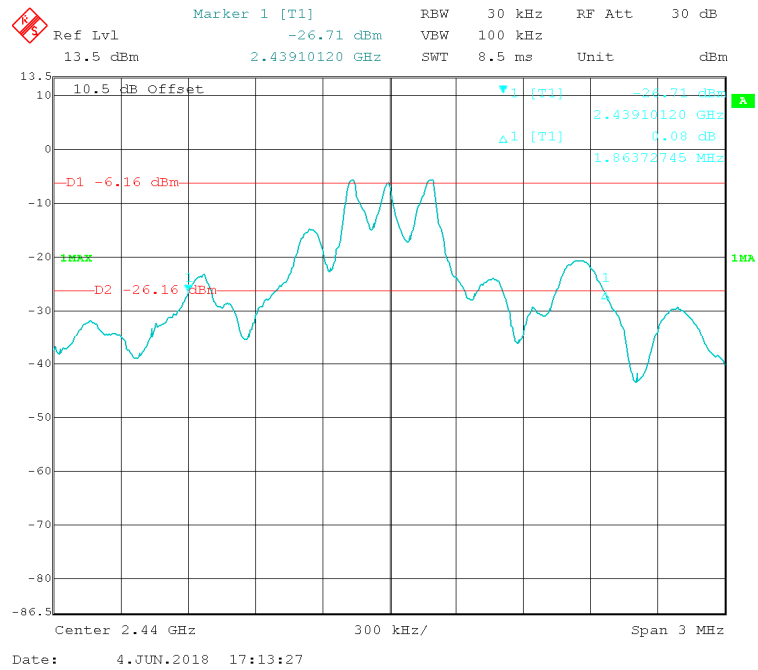
Test Mode: Transmitting

Channel	Frequency (MHz)	20 dB Bandwidth (MHz)
Low	2403	1.437
Middle	2440	1.864
High	2480	1.689

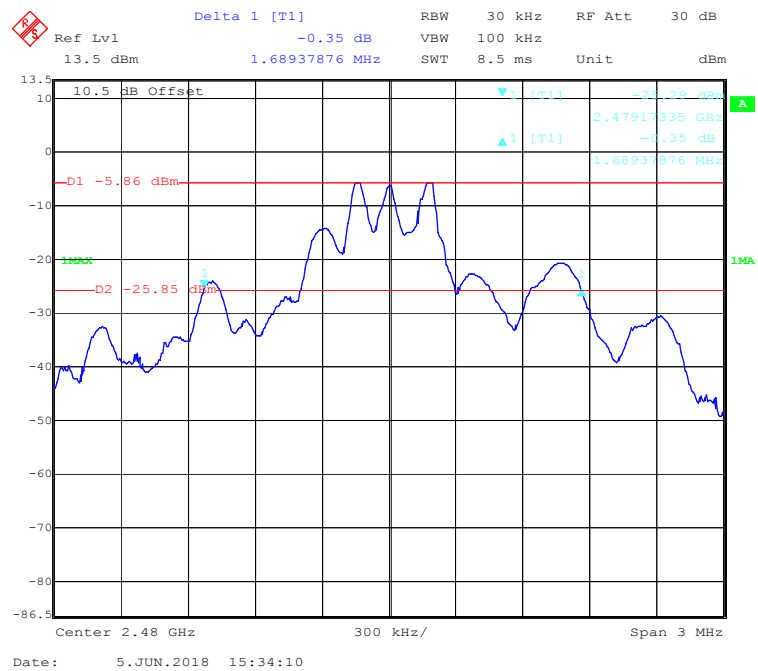
Low Channel



Middle Channel



High Channel



***** END OF REPORT *****