

FCC PART 15.247 TEST REPORT

For

SZ DJI TECHNOLOGY CO., LTD

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Nanshan, Shenzhen, Guangdong, China

FCC ID: SS3-WIN81803

Report Type: Original Report	Product Name: WIND-4, WIND-2, WIND-8
Report Number: RDG180227004-00	
Report Date: 2018-03-27	
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Reviewed By:	EMC Manager
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“*”

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

EUT Name:	WIND-4,WIND-2,WIND-8
EUT Model:	WIN 4
Multiple Model:	WIN 2,WIN 8
FCC ID:	SS3-WIN81803
Rated Input Voltage:	DC22.2V from rechargeable battery
External Dimension:	WIN 2:630mm (L) x 630mm (W) x 320mm (H) WIN 4:742mm (L) x 742mm (W) x 462mm (H) WIN 8:560mm (L) x 560mm (W) x 470mm (H)
Serial Number:	180227004-1(WIN 2), 180227004-2(WIN 4), 180227004-3(WIN 8)
EUT Received Date:	2018.02.27

Note: The series product, models WIN 4, WIN 2,WIN 8 are electrically identical, we selected WIN 4 for fully test ,and please refer to the declaration letter for details.

Objective

This report is prepared on behalf of **SZ DJI TECHNOLOGY CO., LTD** in accordance with Part 2, Subpart J, Part 15, Subparts A, and C of the Federal Communications Commission's rules.

The tests were performed in order to determine the compliance of the EUT with FCC Rules Part 15-Subpart C, section 15.203, 15.205, 15.209, 15.247 rules.

Related Submittal(s)/Grant(s)

Part of system granted with FCC ID: SS3-GL658C1504.

Test Methodology

All measurements detailed in this Test Report were performed in accordance with ANSI C63.10-2013 "American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices", and KDB 558074 D01 DTS Meas Guidance v04.

All emissions measurement was performed and Bay Area Compliance Laboratories Corp. (Dongguan).

Measurement Uncertainty

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±0.61dB
Power Spectral Density, conducted	±0.61 dB
Unwanted Emissions, radiated	30M~200MHz: 4.58 dB for Horizontal, 4.59 dB for Vertical 200M~1GHz: 4.83 dB for Horizontal, 5.85 dB for Vertical 1G~6GHz: 4.45 dB, 6G~26.5GHz: 5.23 dB
Unwanted Emissions, conducted	±1.5 dB
Temperature	±1 °C
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	1%
AC Power Lines Conducted Emission	3.12 dB (150 kHz to 30 MHz)

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industry Area, Tangxia, Dongguan, Guangdong, China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 897218,the FCC Designation No. : CN1220.

The test site has been registered with ISED Canada under ISED Canada Registration Number 3062D.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in testing mode, which was provided by manufacturer.

The device supports 2T2R mode and employs 8 channels as below:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2406.5	5	2446.5
2	2416.5	6	2456.5
3	2426.5	7	2466.5
4	2436.5	8	2476.5

Test was performed at channel 1, 4, and 8.

Equipment Modifications

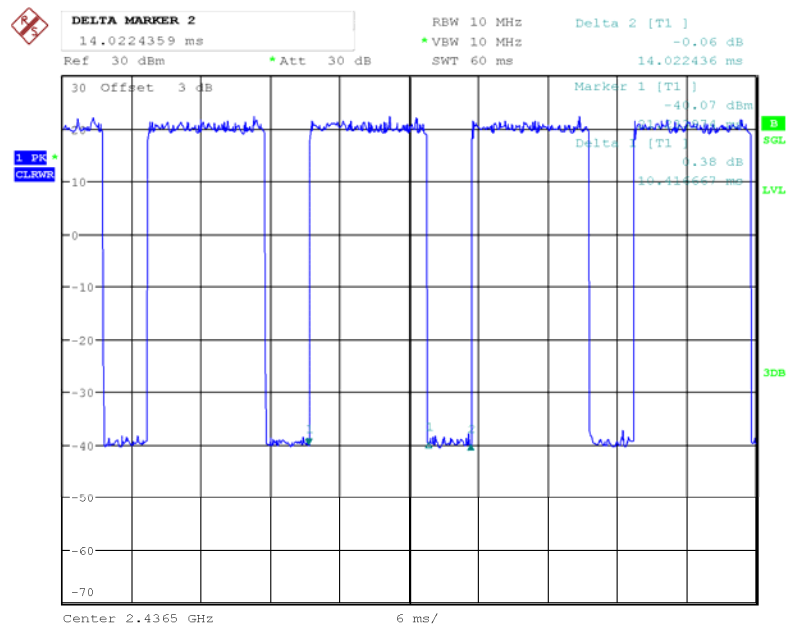
No modification was made to the EUT tested.

EUT Exercise Software

The software “DJI GO” was used for testing, which was provided by manufacturer. The maximum power with maximum duty cycle was configured as default setting.

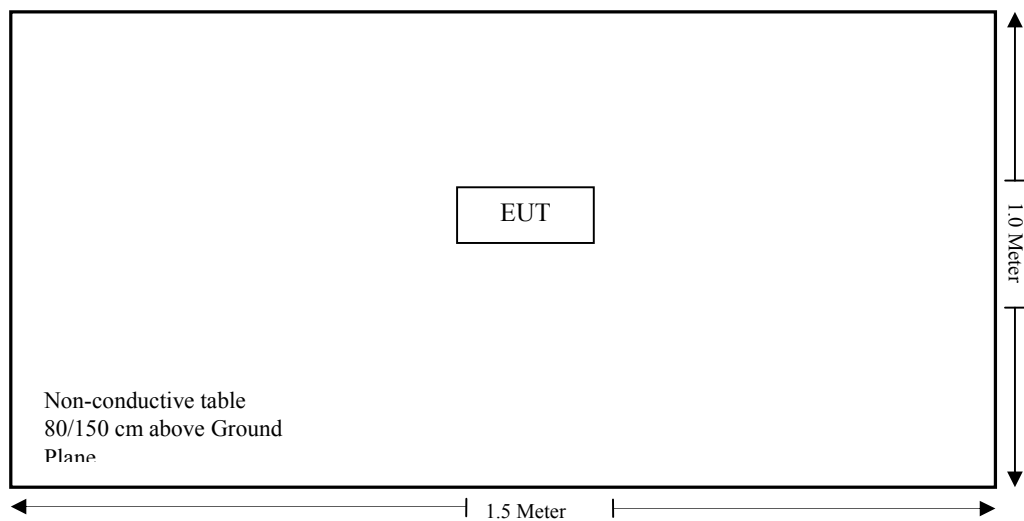
The duty cycle as below:

T _{on} (ms)	T _{on+off} (ms)	Duty Cycle (%)
10.417	14.022	74.29



Date: 5.MAR.2018 11:49:17

Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

Rules	Description of Test	Result
FCC §15.247 (i) & §1.1310 & §2.1091	Maximum Permissible Exposure(MPE)	Compliance
FCC§15.203	Antenna Requirement	Compliance
§15.207 (a)	AC Line Conducted Emissions	Not Applicable
§15.205, §15.209, §15.247(d)	Spurious Emissions	Compliance
§15.247 (a)(2)	6 dB Emission Bandwidth And 99% Occupied Bandwidth	Compliance
§15.247(b)(3)	Maximum conducted output power	Compliance
§15.247(d)	100 kHz Bandwidth of Frequency Band Edge	Compliance
§15.247 (e)	Power Spectral Density	Compliance

Note:

Not Applicable: the device powered by battery.

FCC §15.247 (i) & §1.1310 & §2.1091- MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Applicable Standard

According to §15.247(i) and §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Averaging Time (minutes)
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*(180/f ²)	30
30–300	27.5	0.073	0.2	30
300–1500	/	/	f/1500	30
1500–100,000	/	/	1.0	30

f = frequency in MHz; * = Plane-wave equivalent power density;

According to §1.1310 and §2.1091 RF exposure is calculated.

Calculated Formulary:

Predication of MPE limit at a given distance

$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. mW/cm²);

P = power input to the antenna (in appropriate units, e.g., mW);

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

Calculated Data:

Frequency Range (MHz)	Antenna Gain		Max. Target Power including Tolerance		Evaluation Distance (cm)	Power Density (W/m ²)	MPE Limit (W/m ²)
	(dBi)	(numeric)	(dBm)	(mW)			
2406.5-2476.5	2.75	1.88	26	398.11	20.00	0.15	1.0

Note: the Max. Target Power including Tolerance was declared by manufacturer.

Result: Compliance, The device meets MPE requirement for Devices Used by the General Public (Uncontrolled Environment) at distance ≥ 20 cm.

FCC §15.203 - ANTENNA REQUIREMENT

Applicable Standard

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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
 - b. Antenna must use a unique type of connector to attach to the EUT.
- Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

Antenna Information And Connector Construction

The EUT has 2 antennas use a unique type of connector to attach to the unit, and the antennas gain is 2.75 dBi, fulfill the requirement of the item. Please refer to the EUT photos.

Result: Compliance.

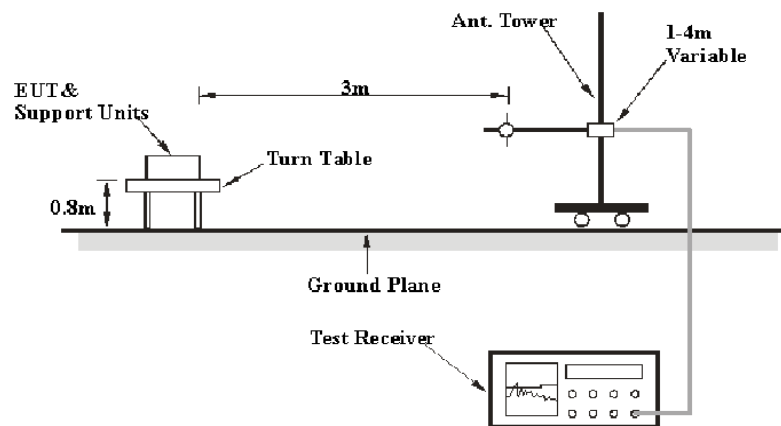
FCC §15.209, §15.205 , §15.247(d) SPURIOUS EMISSIONS

Applicable Standard

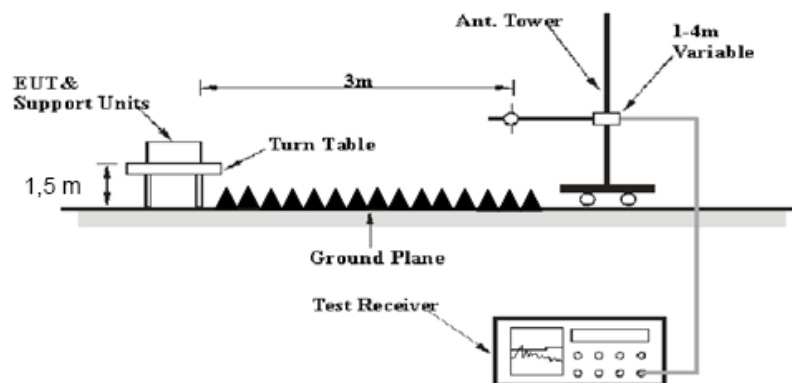
FCC §15.247 (d); §15.209; §15.205.

EUT Setup

Below 1GHz:



Above 1GHz:



The radiated 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, and FCC 15.247 limits.

The spacing between the peripherals was 10 cm.

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 30 MHz to 25 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

30-1000MHz:

Measurement	RBW	Video B/W	IF B/W
QP	120 kHz	300 kHz	120kHz

1GHz- 25GHz:

Measurement	Duty cycle	RBW	Video B/W
PK	Any	1MHz	3 MHz
Ave.	>98%	1MHz	10 Hz
	<98%	1MHz	1/T

Note: T is minimum transmission duration

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.

All emissions under the average limit and under the noise floor have not recorded in the report.

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 Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESCI	100224	2017-12-11	2018-12-11
Sunol Sciences	Antenna	JB3	A060611-1	2017-11-10	2020-11-10
HP	Amplifier	8447D	2727A05902	2017-09-05	2018-09-05
N/A	Coaxial Cable	C-NJNJ-50	C-0400-01	2017-09-05	2018-09-05
N/A	Coaxial Cable	C-NJNJ-50	C-0075-01	2017-09-05	2018-09-05
N/A	Coaxial Cable	C-NJNJ-50	C-1000-01	2017-09-05	2018-09-05
Agilent	Spectrum Analyzer	E4440A	SG43360054	2017-12-08	2018-12-08
ETS-Lindgren	Horn Antenna	3115	000 527 35	2016-01-05	2019-01-05
MITEQ	Amplifier	AFS42-00101800-25-S-42	2001271	2017-09-05	2018-09-05
Quinstar	Amplifier	QLW-18405536-JO	15964001001	2017-06-27	2018-06-27
Ducommun Technologies	Horn Antenna	ARH-4223-02	1007726-02 1304	2017-06-16	2020-06-15
N/A	Coaxial Cable	C-SJSJ-50	C-0800-01	2017-09-05	2018-09-05
Chengdu OuLi	Bandrejector Filter	2400-2483.5	001	2017-09-05	2018-09-05
Farad	Test Software	EZ-EMC	V1.1.4.2	N/A	N/A

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

Test Data**Environmental Conditions**

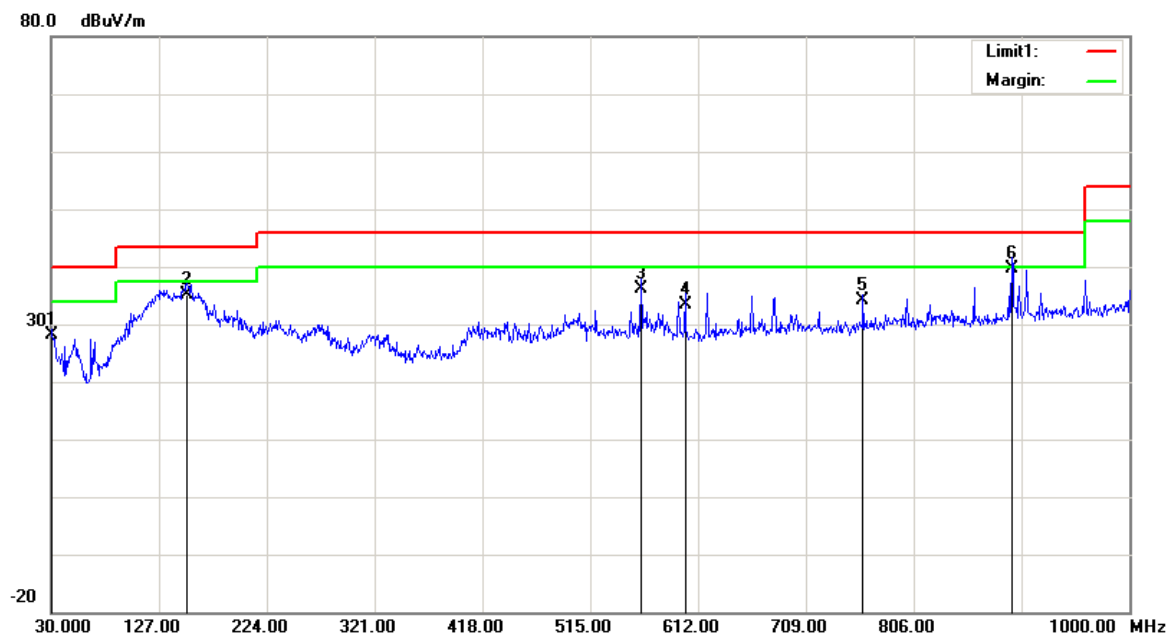
Temperature:	22.3~22.5°C
Relative Humidity:	48~53 %
ATM Pressure:	100.9~101.1 kPa

The testing was performed by Sunny Cen and Blake Yang on 2018-03-06&2018-03-07.

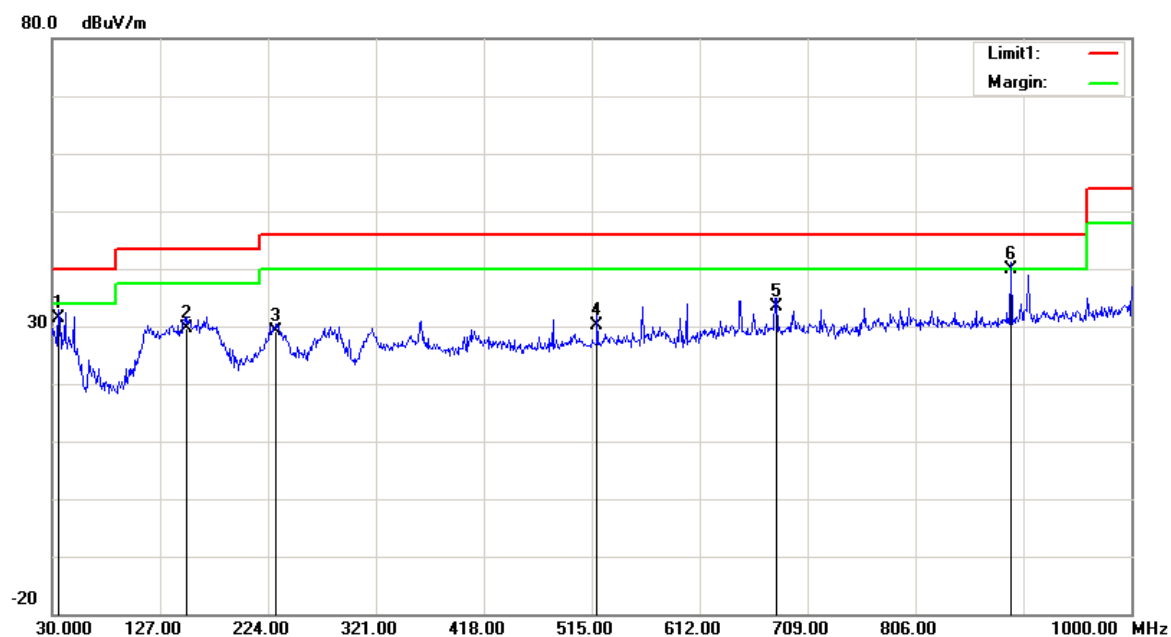
Test Mode: Transmitting(Per pretest, WIN 8 was the worst)

1) 30MHz-1GHz(middle channel was the worst):

Horizontal:



Frequency (MHz)	Receiver Reading (dBμV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
30.0000	26.66	QP	1.54	28.20	40.00	11.80
152.2200	41.21	QP	-6.01	35.20	43.50	8.30
560.5900	35.64	QP	0.46	36.10	46.00	9.90
600.3600	32.63	QP	0.87	33.50	46.00	12.50
760.4100	30.07	QP	4.03	34.10	46.00	11.90
894.2700	33.69	QP	6.01	39.70	46.00	6.30

Vertical:

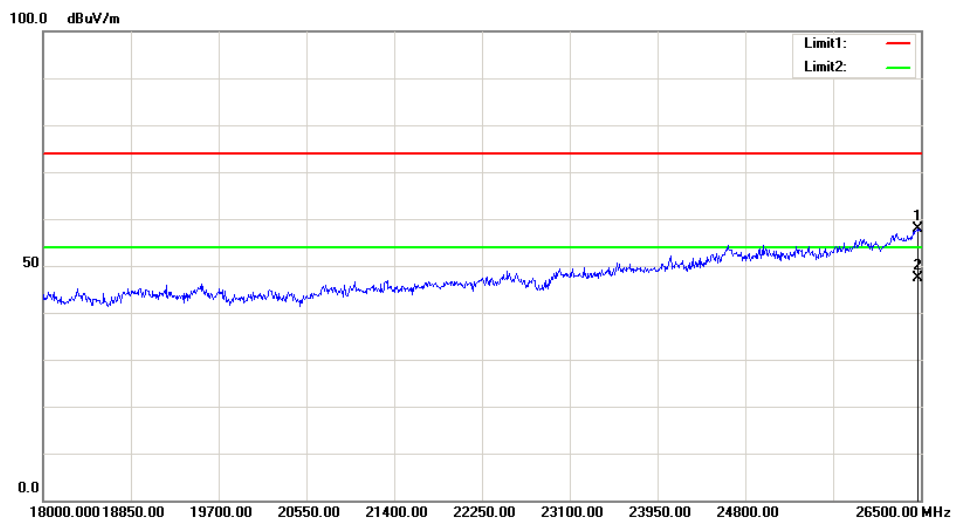
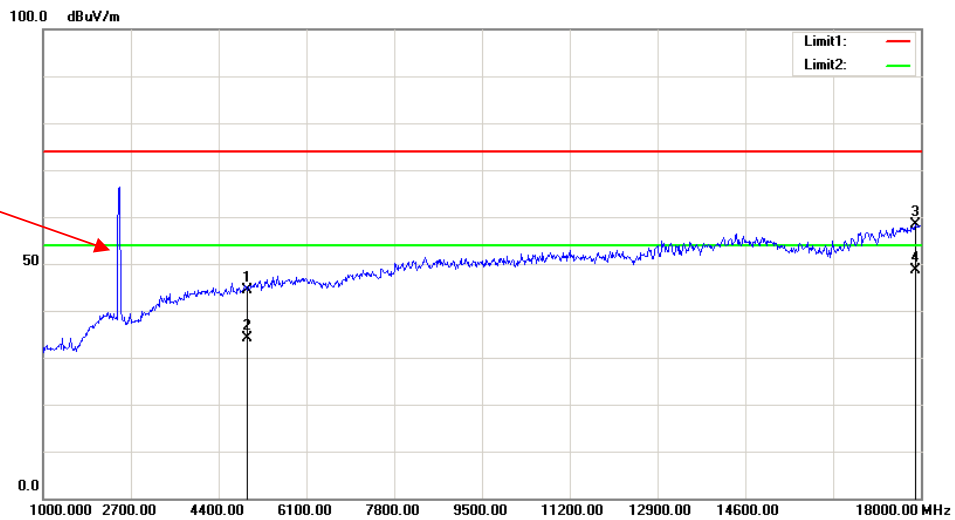
Frequency (MHz)	Receiver Reading (dB μ V)	Detector	Correction Factor (dB/m)	Cord. Amp. (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
35.8200	34.13	QP	-2.63	31.50	40.00	8.50
151.2500	35.70	QP	-6.00	29.70	43.50	13.80
230.7900	35.62	QP	-6.52	29.10	46.00	16.90
519.8500	30.24	QP	-0.04	30.20	46.00	15.80
680.8700	30.70	QP	2.70	33.40	46.00	12.60
891.3600	33.92	QP	5.88	39.80	46.00	6.20

2) 1-25GHz:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector	Polar (H/V)	Factor (dB/m)					
Low Channel: 2406.5 MHz									
2406.50	83.19	PK	H	28.11	1.80	0.00	113.10	N/A	N/A
2406.50	71.16	AV	H	28.11	1.80	0.00	101.07	N/A	N/A
2406.50	84.46	PK	V	28.11	1.80	0.00	114.37	N/A	N/A
2406.50	72.53	AV	V	28.11	1.80	0.00	102.44	N/A	N/A
2390.00	27.55	PK	V	28.08	1.80	0.00	57.43	74.00	16.57
2390.00	14.97	AV	V	28.08	1.80	0.00	44.85	54.00	9.15
4813.00	46.85	PK	V	32.93	3.18	37.20	45.76	74.00	28.24
4813.00	35.77	AV	V	32.93	3.18	37.20	34.68	54.00	19.32
7219.50	44.14	PK	V	35.77	4.80	37.25	47.46	74.00	26.54
7219.50	33.87	AV	V	35.77	4.80	37.25	37.19	54.00	16.81
Middle Channel: 2436.5 MHz									
2436.50	82.24	PK	H	28.17	1.82	0.00	112.23	N/A	N/A
2436.50	70.06	AV	H	28.17	1.82	0.00	100.05	N/A	N/A
2436.50	83.91	PK	V	28.17	1.82	0.00	113.90	N/A	N/A
2436.50	72.16	AV	V	28.17	1.82	0.00	102.15	N/A	N/A
4873.00	47.83	PK	V	33.05	3.26	37.21	46.93	74.00	27.07
4873.00	36.44	AV	V	33.05	3.26	37.21	35.54	54.00	18.46
7309.50	45.74	PK	V	36.00	4.64	37.36	49.02	74.00	24.98
7309.50	35.75	AV	V	36.00	4.64	37.36	39.03	54.00	14.97
High Channel: 2476.5 MHz									
2476.50	81.41	PK	H	28.25	1.84	0.00	111.50	N/A	N/A
2476.50	68.75	AV	H	28.25	1.84	0.00	98.84	N/A	N/A
2476.50	83.84	PK	V	28.25	1.84	0.00	113.93	N/A	N/A
2476.50	72.32	AV	V	28.25	1.84	0.00	102.41	N/A	N/A
2483.50	34.00	PK	V	28.27	1.84	0.00	64.11	74.00	9.89
2483.50	23.54	AV	V	28.27	1.84	0.00	53.65	54.00	0.35
4953.00	46.73	PK	V	33.21	3.24	37.24	45.94	74.00	28.06
4953.00	36.25	AV	V	33.21	3.24	37.24	35.46	54.00	18.54
7429.50	44.18	PK	V	36.32	4.43	37.51	47.42	74.00	26.58
7429.50	34.27	AV	V	36.32	4.43	37.51	37.51	54.00	16.49

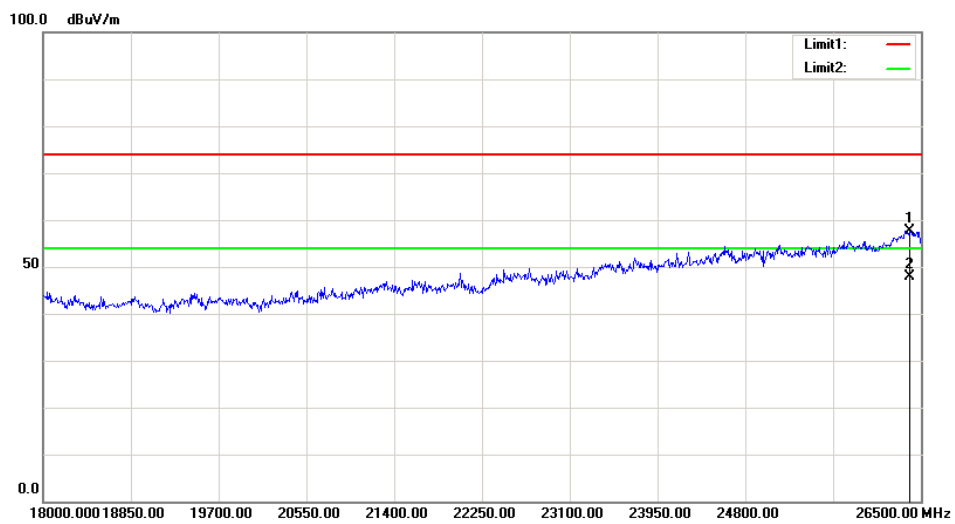
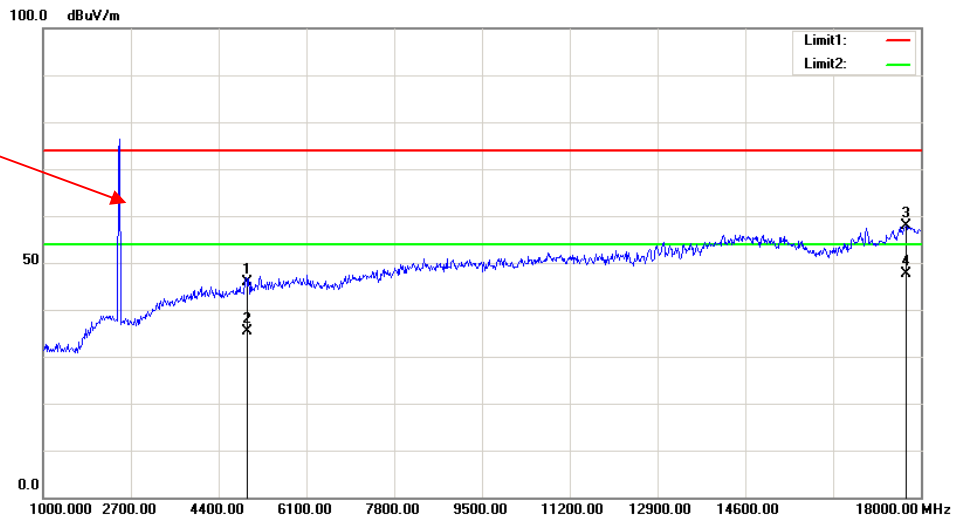
Worst plots(middle channel was the worst)
Horizontal

Fundamental
Test with Band
Rejection Filter



Vertical

Fundamental
Test with Band
Rejection Filter



FCC §15.247(a) (2)–6 dB EMISSION BANDWIDTH AND 99% OCCUPIED BANDWIDTH

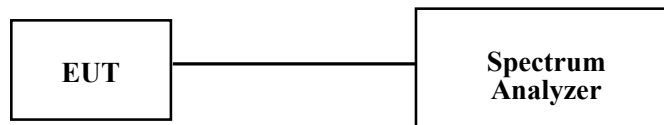
Applicable Standard

According to FCC §15.247(a) (2)

Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz

Test Procedure

- Set RBW = 100 kHz.
- Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- Allow the trace to stabilize.
- Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.
- Measure the 99% bandwidth use OBW test function.



Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU 26	200256	2018-01-04	2019-01-04
N/A	Coaxial Cable	C-SJ00-0010	C0010/04	Each time	/

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

Test Data

Environmental Conditions

Temperature:	26.5 °C
Relative Humidity:	54 %
ATM Pressure:	100.6 kPa

The testing was performed by Nami Quan on 2018-03-05.

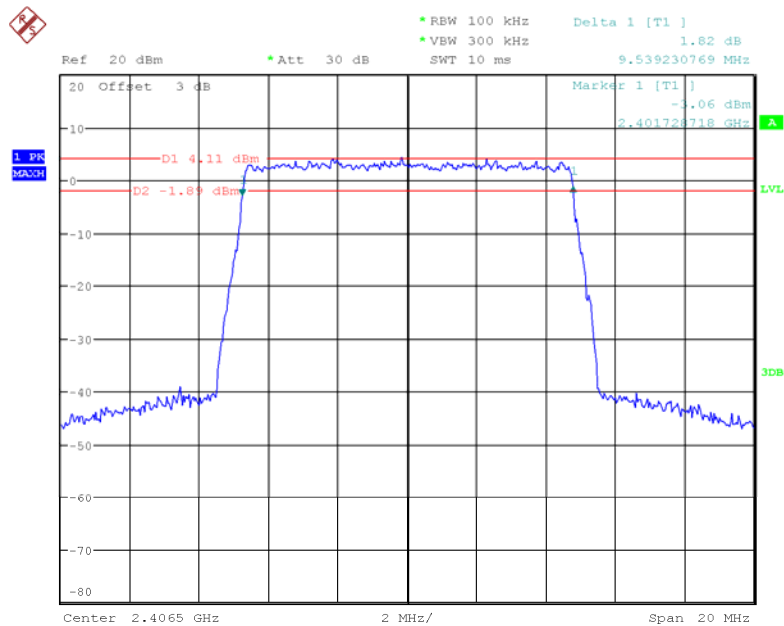
Test Mode: Transmitting

Test Result: Compliant. Test was only performed at chain 0, Please refer to the following table and plots.

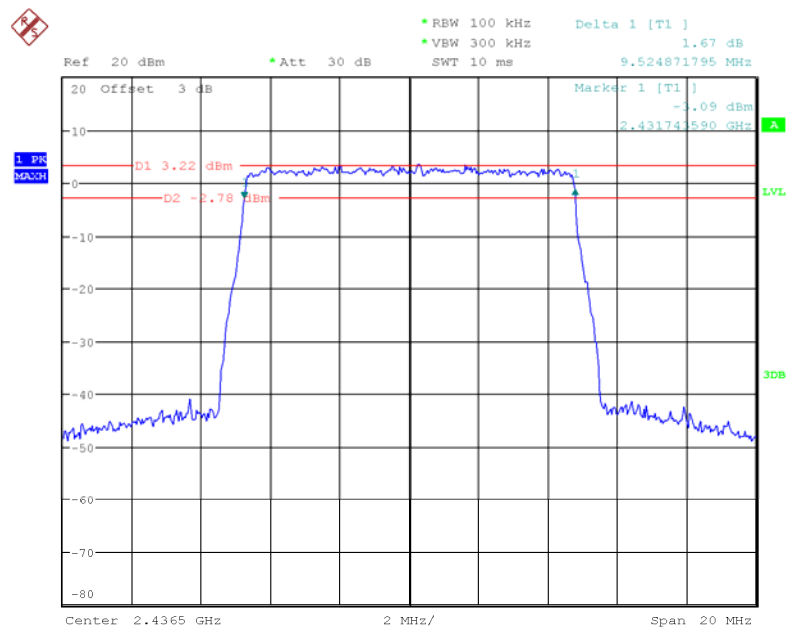
Channel	Frequency (MHz)	6 dB Emission Bandwidth (MHz)	99% Occupied bandwidth (MHz)	Limit (MHz)
Low	2406.5	9.539	9.423	≥ 0.5
Middle	2436.5	9.525	9.423	≥ 0.5
High	2476.5	9.511	9.423	≥ 0.5

6dB Bandwidth:

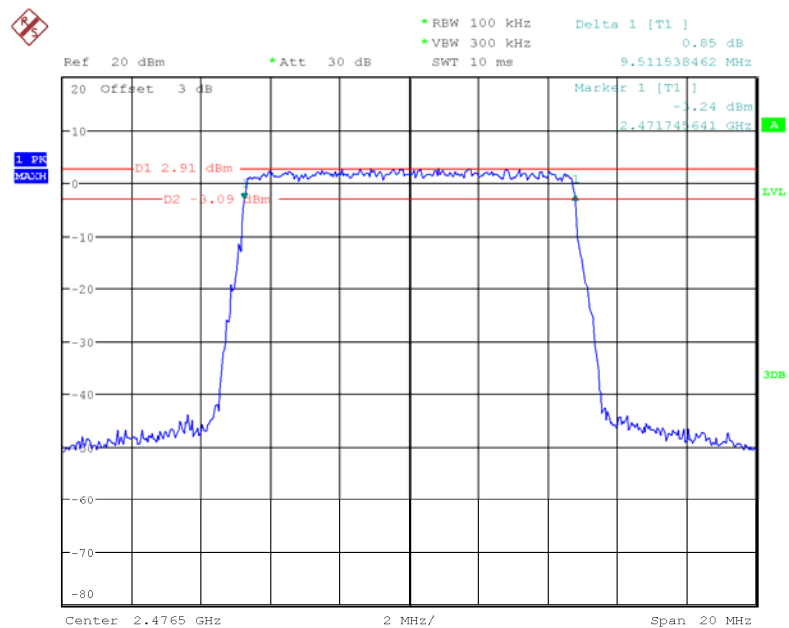
Low Channel



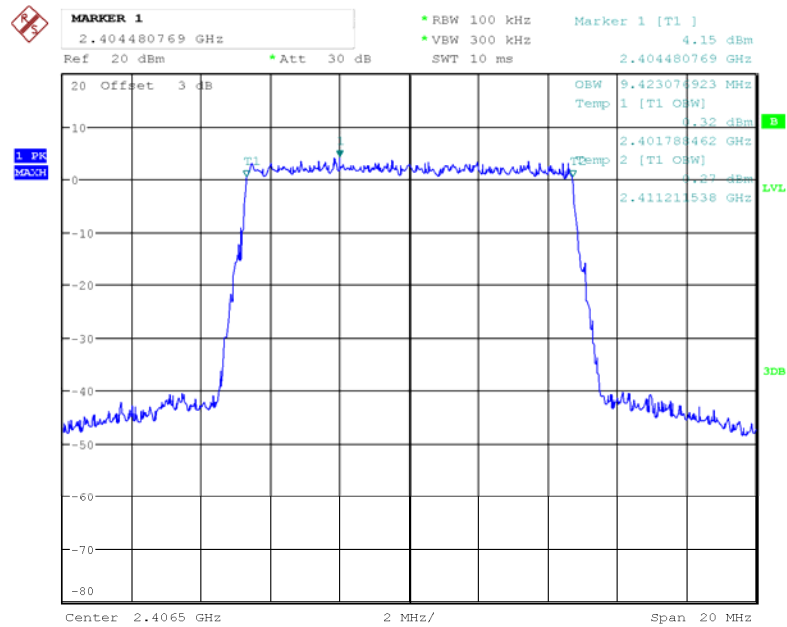
Date: 5.MAR.2018 10:35:26

Middle Channel

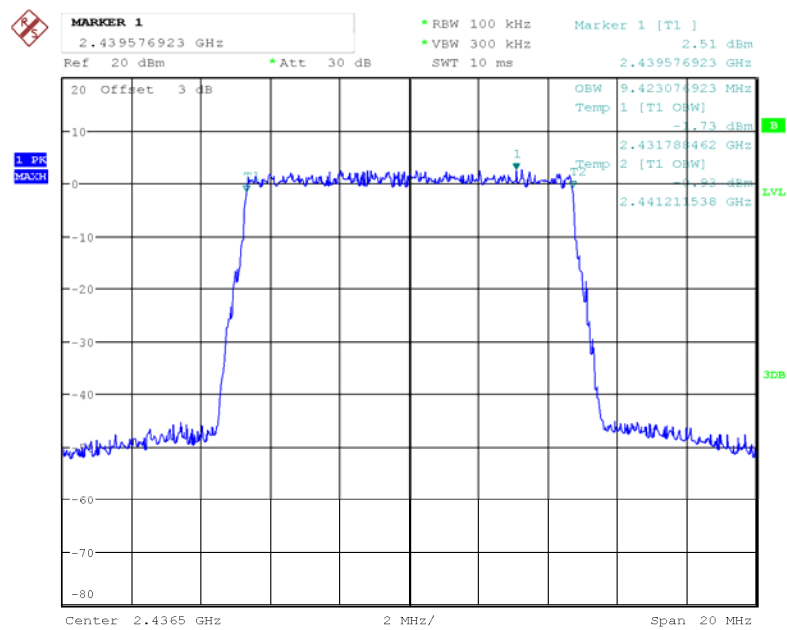
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High Channel

Date: 5.MAR.2018 11:04:21

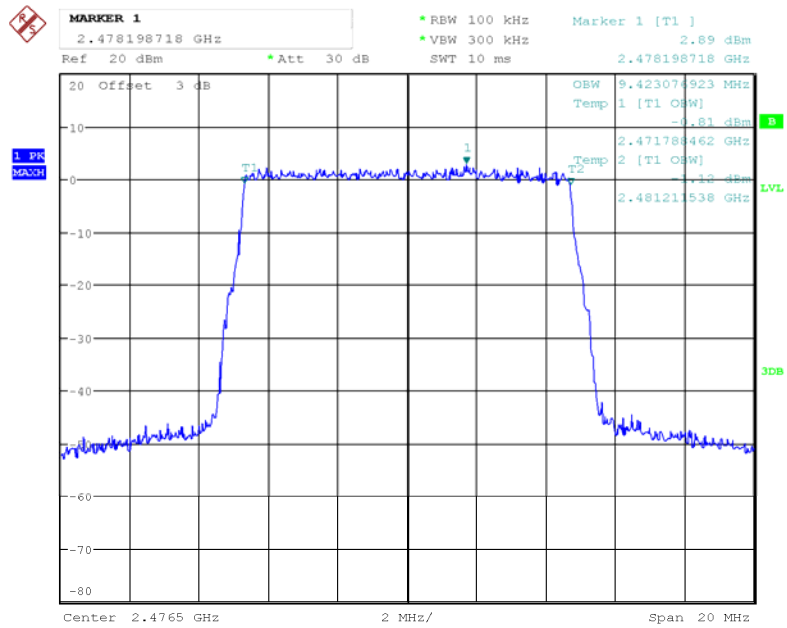
99% Occupied Bandwidth:**Low Channel**

Date: 5.MAR.2018 10:36:11

Middle Channel

Date: 5.MAR.2018 10:36:25

High Channel



Date: 5.MAR.2018 11:04:53

FCC §15.247(b) (3) - MAXIMUM CONDUCTED OUTPUT POWER**Applicable Standard**

According to FCC §15.247(b) (3), for systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

Test Procedure

1. Place the EUT on a bench and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to test equipment.
3. Add a correction factor to the display.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	USB Wideband Power Sensor	U2022XA	MY5417006	2017-12-11	2018-12-11
N/A	Coaxial Cable	C-SJ00-0010	C0010/04	Each time	/

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

Test Data**Environmental Conditions**

Temperature:	26.5 °C
Relative Humidity:	54 %
ATM Pressure:	100.6 kPa

The testing was performed by Nami Quan on 2018-03-05.

Test Mode: Transmitting

Test Result: Compliant. Please refer to the following table.

Channel	Frequency (MHz)	Max Conducted Peak Output Power (dBm)			Limit (dBm)
		Chain 0	Chain 1	Total	
Low	2406.5	22.52	22.10	25.33	30
Middle	2436.5	22.28	22.08	25.19	30
High	2476.5	22.05	22.12	25.1	30

FCC§15.247(d) – 100 kHz BANDWIDTH OF FREQUENCY BAND EDGE

Applicable Standard

According to FCC§15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

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 without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU 26	200256	2018-01-04	2019-01-04
N/A	Coaxial Cable	C-SJ00-0010	C0010/04	Each time	/

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

Test Data

Environmental Conditions

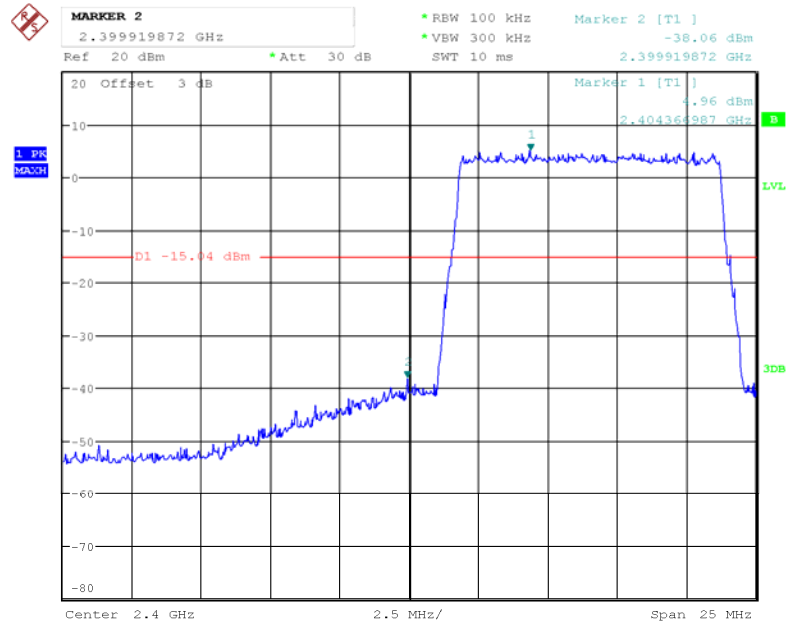
Temperature:	25.9°C
Relative Humidity:	49 %
ATM Pressure:	101.1 kPa

The testing was performed by Nami Quan on 2018-03-07.

Test mode: Transmitting

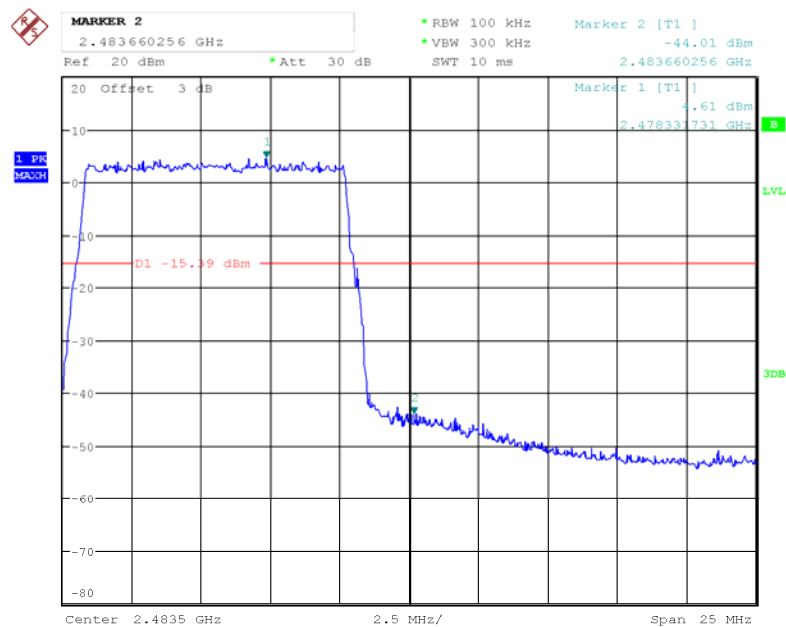
Test Result: Compliant. All emissions out of the operation band were under fundamental more than 20dBc, please refer to following plots.

Chain 0: Band Edge, Left Side



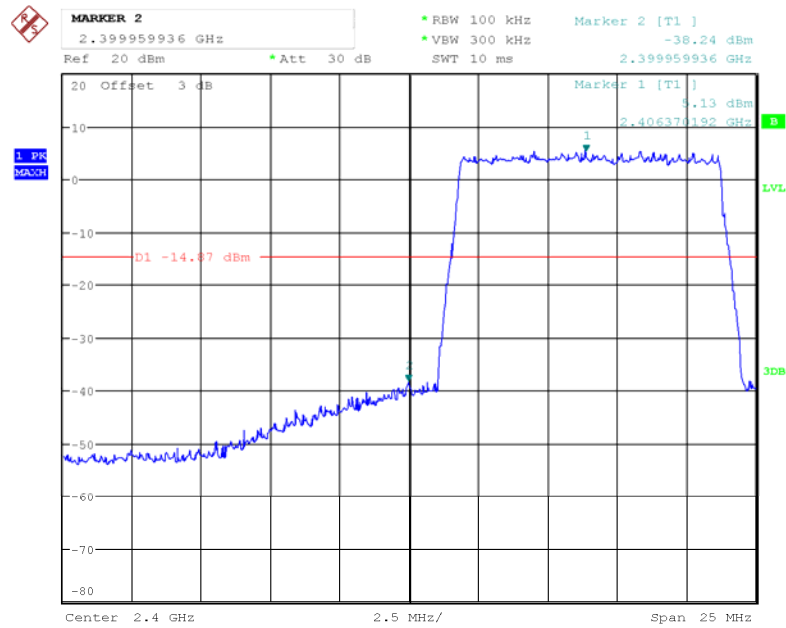
Date: 7.MAR.2018 14:00:04

Chain 0: Band Edge, Right Side



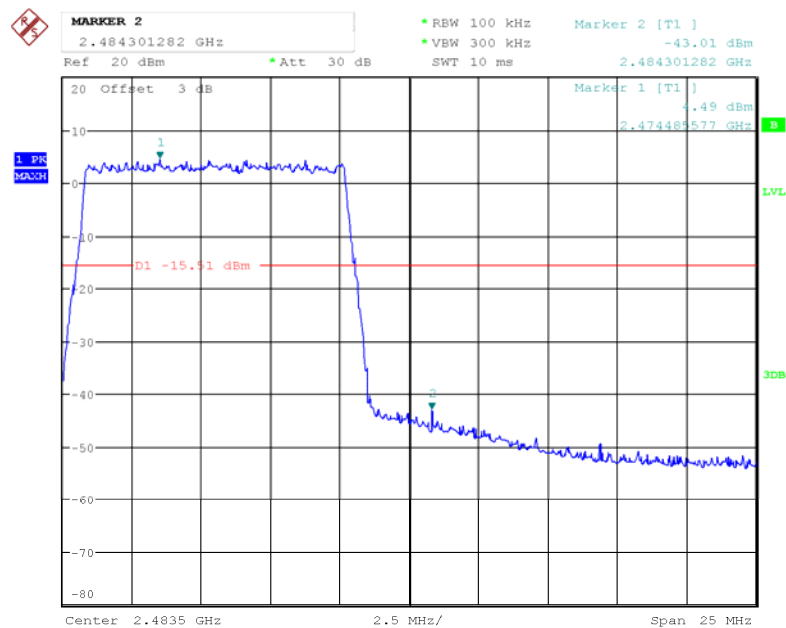
Date: 7.MAR.2018 13:59:20

Chain 1: Band Edge, Left Side



Date: 7.MAR.2018 13:57:17

Chain 1: Band Edge, Right Side



Date: 7.MAR.2018 13:58:20

FCC §15.247(e) - POWER SPECTRAL DENSITY**Applicable Standard**

According to FCC§15.247(e):For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

Test Procedure

- a) Set analyzer center frequency to DTS channel center frequency.
- b) Set the span to 1.5 times the DTS bandwidth.
- c) Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
- d) Set the VBW $\geq 3 \times \text{RBW}$.
- e) Detector = RMS.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum amplitude level within the RBW.
- j) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU 26	200256	2018-01-04	2019-01-04
N/A	Coaxial Cable	C-SJ00-0010	C0010/04	Each time	/

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

Test Data**Environmental Conditions**

Temperature:	26.5 °C
Relative Humidity:	54 %
ATM Pressure:	100.6 kPa

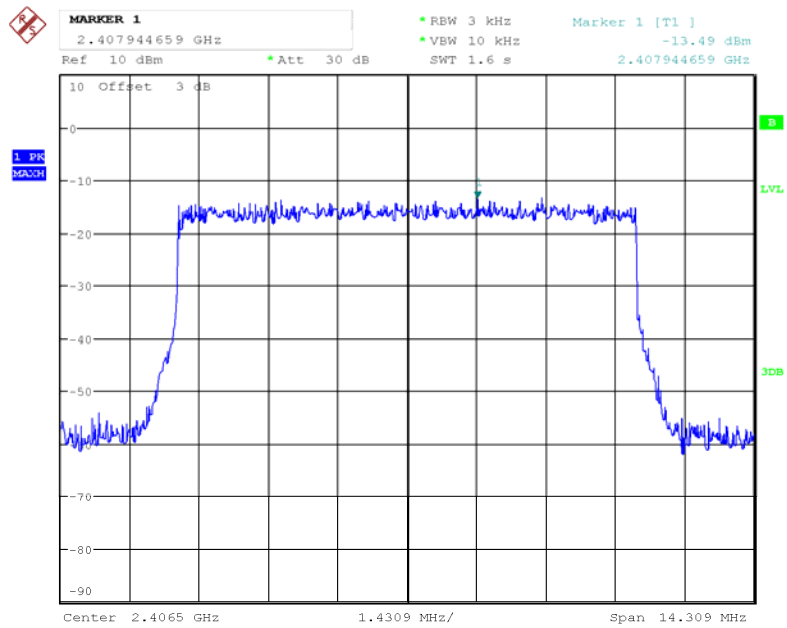
The testing was performed by Nami Quan on 2018-03-05.

Test Mode: Transmitting

Test Result: Compliant. Please refer to the following table and plots

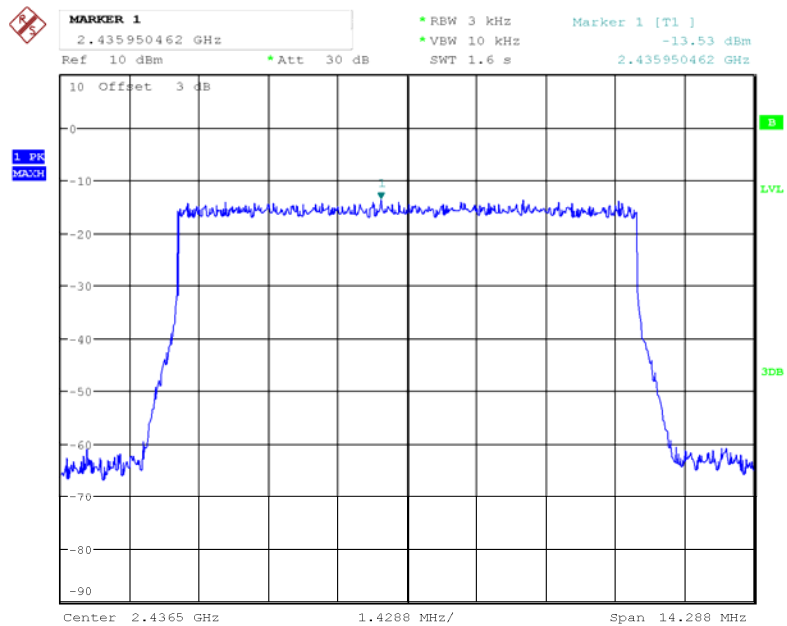
Channel	Frequency (MHz)	Reading (dBm/3kHz)			Limit (dBm/3kHz)
		Chain 0	Chain 1	Total	
Low	2406.5	-13.49	-12.90	-10.17	≤8.0
Middle	2436.5	-13.53	-13.89	-10.7	≤8.0
High	2476.5	-14.08	-13.79	-10.92	≤8.0

Chain 0, Low Channel



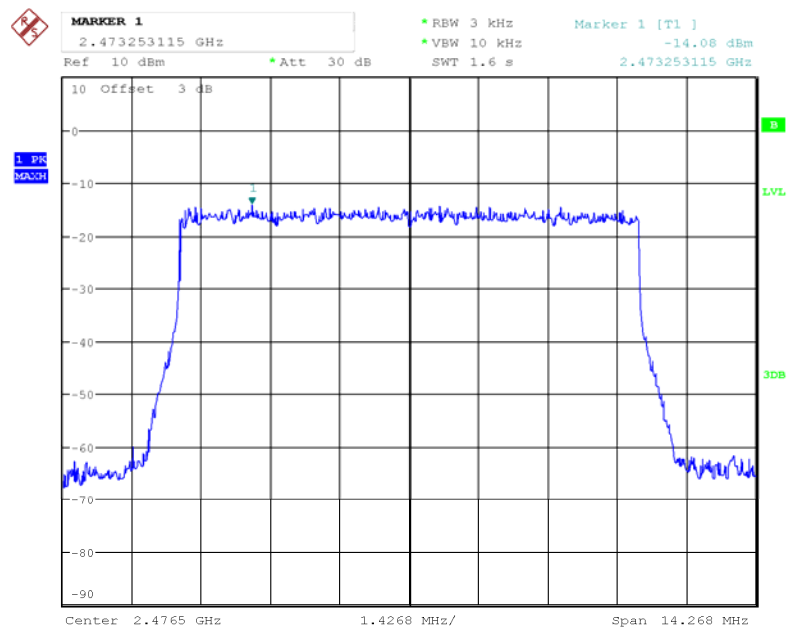
Date: 5.MAR.2018 11:21:03

Chain 0, Middle Channel



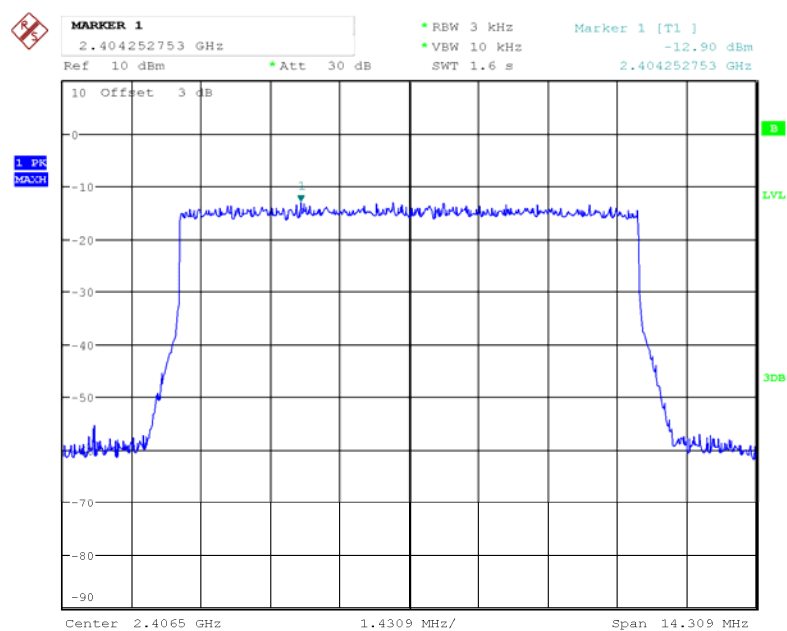
Date: 5.MAR.2018 11:28:36

Chain 0, High Channel

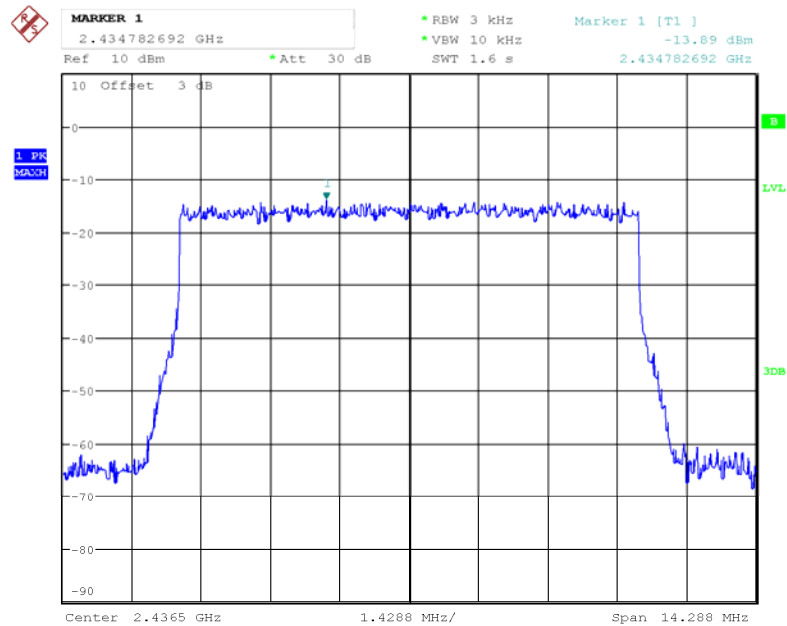


Date: 5.MAR.2018 11:32:28

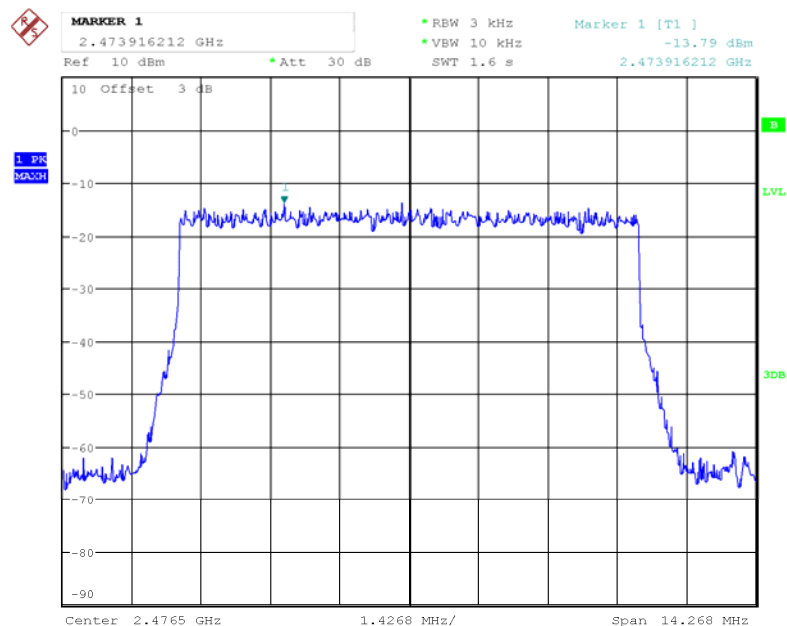
Chain 1, Low Channel



Date: 5.MAR.2018 11:27:31

Chain 1, Middle Channel

Date: 5.MAR.2018 11:28:11

Chain 1, High Channel

Date: 5.MAR.2018 11:31:45

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