

FCC PART 15.247 TEST REPORT

For

Innovative Technology Electronics LLC

1 Channel Drive, Port Washington, NY 11050, USA

FCC ID: 2AFHW-VM100B

Product Name:

Report Type: ACRYLIC TURNTABLE W/TRUE Original Report

WIRELESS 40W FLOATING

SPEAKERS

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Henry Ding

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Report Number: RDG170502806A

Report Date: 2017-05-28

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EMC Leader Reviewed By:

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Bay Area Compliance Laboratories Corp. (Chengdu)

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The *Innovative Technology Electronics LLC*'s product, model number: *VM-100B* (*FCC ID:2AFHW-VM100B*) (the "EUT") in this report was a *ACRYLIC TURNTABLE W/TRUE WIRELESS 40W FLOATING SPEAKERS*, which was measured approximately: 5.9 cm (L) x 6.9 cm (W) x 8.0 cm (H), rated input voltage: DC7.4V from battery or DC 9V from adapter.

Adapter Information:

MODEL:GKYPB0 200090US

INPUT: AC 100-240V, 50/60Hz, 0.8A MAX

OUTPUT: DC 9V, 2A

Note: The series product, model VM-100B, VM-100XXX (XXX can be 1-9 or A to Z or blank and means unit color or pattern) are electrically identical, the difference them is the model name, we selected VM-100B for fully testing, the details was explained in the attached declaration letter.

All measurement and test data in this report was gathered from production sample serial number:170502806 (assigned by the BACL, Chengdu). The EUT was received on 2017-03-20.

Objective

This report is prepared on behalf of *Innovative Technology Electronics LLC* 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 Bluetooth BDR and EDR mode of EUT compliance with FCC Rules Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.209 and 15.247 rules.

Related Submittal(s)/Grant(s)

Submitted with the part of a system with FCC ID: 2AFHW-VM100.

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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".

All of the measurements detailed in this Test Report were performed by Bay Area Compliance Laboratories Corp. (Chengdu).

The Bay Area Compliance Laboratories Corp. Chengdu's measurement Uncertainties (calculated for a k=2 Coverage Factor corresponding to approximately 95% Coverage) were as follows:

- -For all of the AC Line Conducted Emissions Tests reported herein: ±3.17 dB.
- -For of all of the Direct Antenna Conducted Emissions Tests reported herein: ±0.56 dB.
- -For of all of the direct Radiated Emissions Tests reported herein are:

30 MHz to 200 MHz: ±4.7 dB;

200 MHz to 1 GHz: ±6.0 dB; 1 GHz to 6 GHz: ±5.13dB; and, 6 GHz to 40 GHz: ±5.47dB.

And the uncertainty will not be taken into consideration for all test data recorded in the report.

Test Facility

The test site used by BACL to collect test data is located in the No.5040, Huilongwan Plaza, No.1, Shawan Road, Jinniu District, Chengdu, Sichuan, China.

Test site at BACL has been fully described in reports submitted to the Federal Communication Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on April 24, 2015. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2014.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 560332. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

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SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in engineering mode.

EUT Exercise Software

Test software: ${}^{\prime}BK32XX$ RF ${}^{\prime}$ was used in test, the system configured maximum power as below setting:

Test Software Version	BK32XX RF					
Test Frequency	2402MHz 2441MHz 2480MHz					
GFSK	3	3				
π /4-DQPSK	3	3	3			
8PSK	3	3	3			

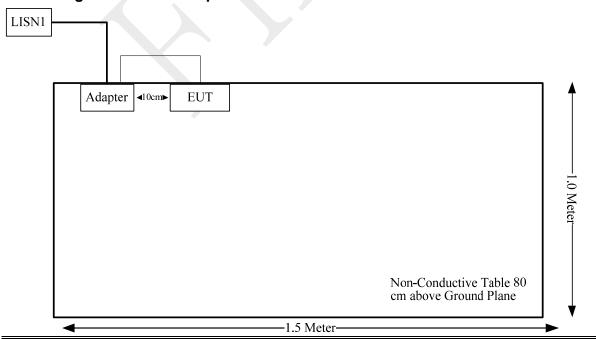
Equipment Modifications

No modification was made to the EUT.

External Cable

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	То
Adapter Cable	Yes	No	1.5	Adapter	EUT

Block Diagram of Test Setup



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SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
FCC §15.247 (i) & §1.1310 & §2.1091	Maximum Permissible Exposure (MPE)	Compliant
§15.203	Antenna Requirement	Compliance
§15.207 (a)	Conducted Emissions	Compliance
§15.205, §15.209, §15.247(d)	Spurious Emissions	Compliance
§15.247 (a)(1)	20 dB Bandwidth	Compliance
§15.247(a)(1)	Channel Separation Test	Compliance
§15.247(a)(1)(iii)	Time of Occupancy (Dwell Time)	Compliance
§15.247(a)(1)(iii)	Quantity of hopping channel Test	Compliance
§15.247(b)(1)	Peak Output Power Measurement	Compliance
§15.247(d)	Band Edges	Compliance

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

Applicable Standard

According to subpart 15.247(i) and subpart §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)								
0.3–1.34	614	1.63	*(100)	30				
1.34–30	824/f	2.19/f	*(180/f²)	30				
30–300	27.5	0.073	0.2	30				
300–1500	1	1	f/1500	30				
1500–100,000	1	1	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/ 4π R² = 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				e-up wer	Evaluation Distance	Power Density	MPE Limit
(MHz)	(dBi)	(numeric)	(dBm)	(mW)	(cm)	(mW/cm ²)	(mW/cm ²)
2402-2480	0	1.00	4	2.51	20.00	0.0005	1.0

Note: The maximum tune-up power including tolerance was declared by manufacturer.

Result: The device meet FCC MPE at 20 cm distance

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FCC §15.203 - ANTENNA REQUIREMENT

Applicable Standard

According to FCC § 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 use of a standard antenna jack or electrical connector is prohibited.

Antenna Connector Construction

The EUT has one internal antenna arrangement for BT, and the antenna gain is 0 dBi, fulfill the requirement of this section. Please refer to the EUT photos.

Result: Compliance.

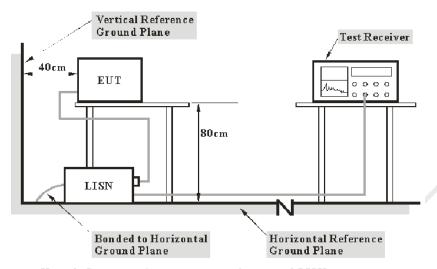
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FCC §15.207 (a) - AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC§15.207

EUT Setup



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMIN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

The adapter was connected to the LISN with 120 V/60 Hz AC power.

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 first LISN.

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

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

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Corrected Amplitude & Margin Calculation

The basic equation is as follows:

$$V_C = V_R + A_C + VDF$$

Herein.

V_C: corrected voltage amplitude
V_R: reading voltage amplitude

A_c: attenuation caused by cable loss

VDF: voltage division factor of AMN or ISN

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

Margin = Limit – Corrected Amplitude

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	EMI Test Receiver	ESCS 30	836858/0016	2016-12-02	2017-12-01
Rohde & Schwarz	L.I.S.N.	ENV216	100018	2016-12-02	2017-12-01
SOLAR ELECTRONICS	L.I.S.N.	9252-50- 24-BNC	984413	2016-12-02	2017-12-01
Rohde & Schwarz	PULSE LIMITER	ESH3Z2	DE14781	2016-10-31	2017-10-30
Unknown	Unknown Conducted Cable		NO.5	2016-11-10	2017-11-09
R&S	Test Software	EMC32	Version8.53.0	N/A	N/A

^{*} Statement of Traceability: BACL(Chengdu) attests that all of the calibrations on the equipment items listed above were traceable to NIM or to another internationally recognized National Metrology Institute (NMI), and were compliant with the NIST HB 150-2016 Normative Annex B "Implementation of traceability policy in accredited laboratories".

Test Data

Environmental Conditions

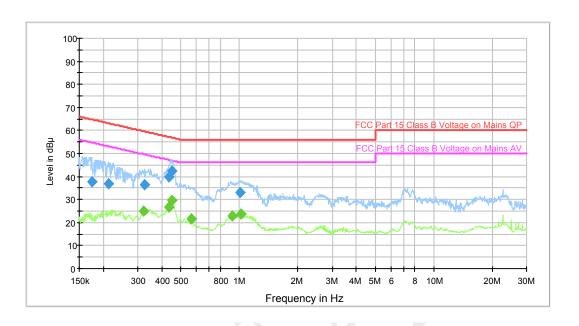
Temperature:	26 °C
Relative Humidity:	54 %
ATM Pressure:	100.1 kPa

The testing was performed by Kevin Hu on 2017-05-19.

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Test Mode: Charging&Operating

AC120 V, 60 Hz, Line:

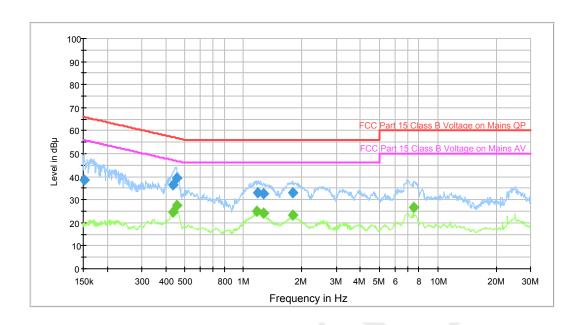


Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.173876	37.6	9.000	L1	19.7	27.1	64.8	Compliance
0.213137	36.7	9.000	L1	19.6	26.3	63.1	Compliance
0.324114	36.5	9.000	L1	19.6	23.1	59.6	Compliance
0.432041	39.7	9.000	L1	19.6	17.6	57.2	Compliance
0.449638	42.5	9.000	L1	19.6	14.4	56.9	Compliance
1.011128	33.2	9.000	L1	19.7	22.8	56.0	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.322823	25.0	9.000	L1	19.6	24.6	49.6	Compliance
0.432041	26.6	9.000	L1	19.6	20.6	47.2	Compliance
0.451436	29.7	9.000	L1	19.6	17.2	46.8	Compliance
0.566784	21.5	9.000	L1	19.6	24.5	46.0	Compliance
0.922425	23.1	9.000	L1	19.7	22.9	46.0	Compliance
1.023310	23.8	9.000	L1	19.7	22.2	46.0	Compliance

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AC120 V, 60 Hz, Neutral:



Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.151203	38.5	9.000	N	19.7	27.4	65.9	Compliance
0.432041	36.4	9.000	N	19.7	20.9	57.2	Compliance
0.453242	39.4	9.000	N	19.7	17.4	56.8	Compliance
1.190936	33.0	9.000	N	19.7	23.0	56.0	Compliance
1.264428	32.7	9.000	N	19.7	23.3	56.0	Compliance
1.789481	32.8	9.000	N	19.8	23.2	56.0	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.432041	24.6	9.000	N	19.7	22.7	47.2	Compliance
0.453242	27.7	9.000	N	19.7	19.1	46.8	Compliance
1.176759	25.0	9.000	N	19.7	21.0	46.0	Compliance
1.274564	24.0	9.000	N	19.7	22.0	46.0	Compliance
1.796639	23.4	9.000	N	19.8	22.6	46.0	Compliance
7.501189	26.6	9.000	N	19.8	23.4	50.0	Compliance

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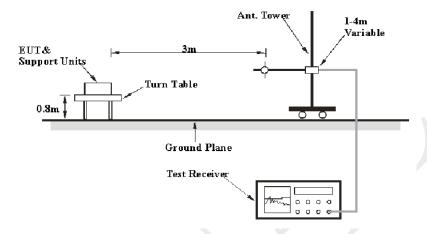
FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS

Applicable Standard

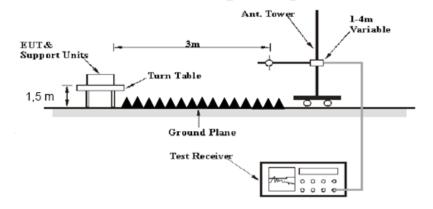
FCC §15.247 (d); §15.209; §15.205;

EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission tests were performed in the 3 meters 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 external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

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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:

Frequency Range	RBW	Video B/W	IF B/W	Detector
30 MHz – 1000 MHz	120 kHz	300 kHz	120 kHz	QP
Above 1 GHz	1MHz	3 MHz	/	PK
Above 1 GHZ	1MHz	10 Hz	/	AV

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.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	Amplifier	8447D	2944A10442	2016-12-02	2017-12-01
Rohde & Schwarz	EMI Test Receiver	ESCI	100028	2016-12-02	2017-12-01
Sunol Sciences	Broadband Antenna	JB3	A121808	2016-04-10	2019-04-09
Rohde & Schwarz	Spectrum Analyzer	FSEM30	100018	2016-12-02	2017-12-01
ETS	Horn Antenna	3115	003-6076	2016-12-02	2017-12-01
Ducommun Technologies	Horn Antenna	ARH-4223-02	1007726-0113024	2014-06-16	2017-06-15
Mini-circuits	Amplifier	ZVA-183-S+	771001215	2016-05-20	2017-05-19
EMCT	Semi-Anechoic Chamber	966	966-1	2015-04-24	2018-04-23
Unknown	RF Cable (below 1GHz)	Unknown	NO.1	2016-11-10	2017-11-09
Unknown	RF Cable (below 1GHz)	Unknown	NO.4	2016-11-10	2017-11-09
Unknown	RF Cable (above 1GHz)	Unknown	NO.2	2016-11-10	2017-11-09
Ducommun Technolagies	Horn Antenna	ARH-2823-02	1007726-01 1312	2016-08-18	2017-08-18
Quinstar	Amplifier	QLW- 18405536-JO	15964001032	2016-08-18	2017-08-18
Agilent	Spectrum Analyzer	8564E	5943A01752	2016-08-18	2017-08-18

^{*} Statement of Traceability: BACL(Chengdu) attests that all of the calibrations on the equipment items listed above were traceable to NIM or to another internationally recognized National Metrology Institute (NMI), and were compliant with the NIST HB 150-2016 Normative Annex B "Implementation of traceability policy in accredited laboratories".

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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:

Corrected Amplitude = Meter Reading + Antenna Factor + Cable Loss - 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:

Margin = Limit – Corrected Amplitude

Test Data

Environmental Conditions

Temperature:	22.6 °C
Relative Humidity:	51.9 %
ATM Pressure:	100.1 kPa

^{*} The testing was performed by Kevin Hu on 2017-04-22.

Test Mode: Transmitting

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30MHz-25GHz:

BDR Mode (GFSK):

Frequency	Rec	eiver	Rx A	ntenna	Cable	Amplifier	Corrected	FCC 1	5.247
(MHz)	Reading (dBµV)	Detector	Polar (H/V)	Factor (dB)	loss (dB)	Gain (dB)	Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Low Channel: 2402 MHz									
2402	68.32	PK	Н	23.53	3	0.00	94.85	N/A	N/A
2402	56.27	AV	Н	23.53	3	0.00	82.8	N/A	N/A
2402	67.00	PK	V	23.53	3	0.00	93.53	N/A	N/A
2402	56.69	AV	V	23.53	3	0.00	83.22	N/A	N/A
2390	39.86	PK	Н	23.57	3.00	0.00	66.43	74.00	7.57
2390	21.72	AV	Н	23.57	3.00	0.00	48.29	54.00	5.71
4804	40.33	PK	Н	30.77	5.12	26.87	49.35	74.00	24.65
4804	26.59	AV	Н	30.77	5.12	26.87	35.61	54.00	18.39
7206	36.75	PK	Н	34.71	6.16	26.35	51.27	74.00	22.73
7206	23.64	AV	Н	34.71	6.16	26.35	38.16	54.00	15.84
1501	40.26	PK	Н	24.10	2.67	26.33	40.70	74.00	33.30
1501	26.12	AV	Н	24.10	2.67	26.33	26.56	54.00	27.44
281.9575	46.4	QP	Н	13.92	1.20	27.51	34.01	46.00	11.99
563.985	48.9	QP	Н	18.85	1.76	28.84	40.67	46.00	5.33
0444	07.00	DIA		liddle Chai			0.4	N/A	N1/A
2441	67.60	PK	H	23.4	3	0.00	94	N/A	N/A
2441	56.12	AV	H	23.4	3	0.00	82.52	N/A	N/A
2441	65.98	PK	V	23.4	3	0.00	92.38	N/A	N/A
2441	59.00	AV		23.4	3	0.00	85.4	N/A	N/A
4882	40.32	PK	H	31.02	5.09	26.87	49.56	74.00	24.44
4882	26.28	AV	H	31.02	5.09	26.87	35.52	54.00	18.48
7323	36.95	PK	Н	34.95	6.22	26.40	51.72	74.00	22.28
7323	24.14	AV	H	34.95	6.22	26.40	38.91	54.00	15.09
1501	48.48	PK	H	24.10	2.67	26.33	48.92	74.00	25.08
1501	39.36	AV	Н	24.10	2.67	26.33	39.80	54.00	14.20
1381	41.31	PK AV	H	23.79	2.51	26.44	41.17	74.00	32.83
1381	31.39	QP		23.79	2.51 1.20	26.44	31.25	54.00 46.00	22.75
281.9575 563.985	46.67 49.04	QP QP	H	13.92 18.85	1.76	27.51 28.84	34.28 40.81	46.00	11.72 5.19
303.963	49.04	l QF		High Chan			40.01	40.00	5.19
2480	66.81	PK	Н	23.27	2.99	0.00	93.07	N/A	N/A
2480	57.06	AV	H	23.27	2.99	0.00	83.32	N/A	N/A
2480	68.88	PK	V	23.27	2.99	0.00	95.14	N/A	N/A
2480	59.00	AV	V	23.27	2.99	0.00	85.26	N/A	N/A
2483.5	38.43	PK	Н	23.26	2.99	0.00	64.68	74.00	9.32
2483.5	21.94	AV	H	23.26	2.99	0.00	48.19	54.00	5.81
4960	37.94	PK	H	31.27	5.05	26.88	47.38	74.00	26.62
4960	30.39	AV	H	31.27	5.05	26.88	39.83	54.00	14.17
7440	34.7	PK	H	35.18	6.27	26.45	49.70	74.00	24.30
7440	27.8	AV	H	35.18	6.27	26.45	42.80	54.00	11.20
1501	42.3	PK	H	24.10	2.67	26.33	42.74	74.00	31.26
1501	29.19	AV	H	24.10	2.67	26.33	29.63	54.00	24.37
281.9575	47.51	QP	H	13.92	1.20	27.51	35.12	46.00	10.88
563.985	49.46	QP	H	18.85	1.76	28.84	41.23	46.00	4.77

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EDR Mode (π/4-DQPSK):

Frequency		eiver	Rx A	ntenna	Cable	Amplifier	Corrected	FCC 1	5.247
(MHz)	Reading (dBµV)	Detector	Polar (H/V)	Factor (dB)	loss (dB)	Gain (dB)	Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Low Channel: 2402 MHz								
2402	68.99	PK	Н	23.53	3	0.00	95.52	N/A	N/A
2402	58.78	AV	Н	23.53	3	0.00	85.31	N/A	N/A
2402	67.58	PK	V	23.53	3	0.00	94.11	N/A	N/A
2402	57.72	AV	V	23.53	3	0.00	84.25	N/A	N/A
2390	39.82	PK	Ι	23.57	3.00	0.00	66.39	74.00	7.61
2390	21.62	AV	Η	23.57	3.00	0.00	48.19	54.00	5.81
4804	38.2	PK	Н	30.77	5.12	26.87	47.22	74.00	26.78
4804	26.99	AV	Н	30.77	5.12	26.87	36.01	54.00	17.99
7206	35.76	PK	Н	34.71	6.16	26.35	50.28	74.00	23.72
7206	24.09	AV	Н	34.71	6.16	26.35	38.61	54.00	15.39
1501	40.17	PK	Н	24.10	2.67	26.33	40.61	74.00	33.39
1501	26.19	AV	Н	24.10	2.67	26.33	26.63	54.00	27.37
281.9575	47.04	QP	Н	13.92	1.20	27.51	34.65	46.00	11.35
563.985	49.9	QP	Н	18.85	1.76	28.84	41.67	46.00	4.33
				liddle Cha					
2441	68.15	PK	Н	23.4	3	0.00	94.55	N/A	N/A
2441	55.05	AV	Н	23.4	3	0.00	81.45	N/A	N/A
2441	67.10	PK	V	23.4	3	0.00	93.5	N/A	N/A
2441	53.59	AV	V	23.4	3	0.00	79.99	N/A	N/A
4882	40.89	PK	Н	31.02	5.09	26.87	50.13	74.00	23.87
4882	27.18	AV	Н	31.02	5.09	26.87	36.42	54.00	17.58
7323	36.45	PK	H	34.95	6.22	26.40	51.22	74.00	22.78
7323	24.13	AV	Н	34.95	6.22	26.40	38.90	54.00	15.10
1501	47.05	PK	Н	24.10	2.67	26.33	47.49	74.00	26.51
1501	36.58	AV	H	24.10	2.67	26.33	37.02	54.00	16.98
1381	41.59	PK	H	23.79	2.51	26.44	41.45	74.00	32.55
1381	31.35	AV	H	23.79	2.51	26.44	31.21	54.00	22.79
281.9575	46.57	QP	H :	13.92	1.20	27.51	34.18	46.00	11.82
563.985	50.34	QP	Н	18.85 High Chan	1.76	28.84) MHz	42.11	46.00	3.89
2480	68.28	PK	Н	23.27	2.99	0.00	94.54	N/A	N/A
2480	54.88	AV	H	23.27	2.99	0.00	81.14	N/A	N/A
2480	68.79	PK	V	23.27	2.99	0.00	95.05	N/A	N/A
2480	55.83	AV	V	23.27	2.99	0.00	82.09	N/A	N/A
2483.5	38.41	PK	H	23.26	2.99	0.00	64.66	74.00	9.34
2483.5	22.15	AV	H	23.26	2.99	0.00	48.40	54.00	5.60
4960	39.93	PK	H	31.27	5.05	26.88	49.37	74.00	24.63
4960	26.4	AV	Н	31.27	5.05	26.88	35.84	54.00	18.16
7440	37.1	PK	Н	35.18	6.27	26.45	52.10	74.00	21.90
7440	23.11	AV	Н	35.18	6.27	26.45	38.11	54.00	15.89
1501	40.82	PK	Н	24.10	2.67	26.33	41.26	74.00	32.74
1501	30.27	AV	Н	24.10	2.67	26.33	30.71	54.00	23.29
281.9575	46.71	QP	H	13.92	1.20	27.51	34.32	46.00	11.68
563.985	48.29	QP	Н	18.85	1.76	28.84	40.06	46.00	5.94

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EDR Mode (8-DPSK):

Frequency		eiver	Rx A	ntenna	Cable	Amplifier	Corrected	FCC 1	5.247
(MHz)	Reading (dBµV)	Detector	Polar (H/V)	Factor (dB)	loss (dB)	Gain (dB)	Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Low Channel: 2402 MHz								
2402	68.80	PK	Н	23.53	3	0.00	95.33	N/A	N/A
2402	58.05	AV	Н	23.53	3	0.00	84.58	N/A	N/A
2402	66.81	PK	V	23.53	3	0.00	93.34	N/A	N/A
2402	57.69	AV	V	23.53	3	0.00	84.22	N/A	N/A
2390	39.1	PK	V	23.57	3.00	0.00	65.67	74.00	8.33
2390	21.61	AV	V	23.57	3.00	0.00	48.18	54.00	5.82
4804	37.24	PK	V	30.77	5.12	26.87	46.26	74.00	27.74
4804	26.52	AV	V	30.77	5.12	26.87	35.54	54.00	18.46
7206	35.5	PK	V	34.71	6.16	26.35	50.02	74.00	23.98
7206	23.68	AV	V	34.71	6.16	26.35	38.20	54.00	15.80
1501	41.23	PK	V	24.10	2.67	26.33	41.67	74.00	32.33
1501	27.84	AV	V	24.10	2.67	26.33	28.28	54.00	25.72
281.9575	46.98	QP	Н	13.92	1.20	27.51	34.59	46.00	11.41
563.985	48.43	QP	Н	18.85	1.76	28.84	40.20	46.00	5.80
				liddle Cha					
2441	67.81	PK	Н	23.4	3	0.00	94.21	N/A	N/A
2441	53.54	AV	H	23.4	3	0.00	79.94	N/A	N/A
2441	66.44	PK	V	23.4	3	0.00	92.84	N/A	N/A
2441	53.40	AV	V	23.4	3	0.00	79.8	N/A	N/A
4882	40.97	PK	V	31.02	5.09	26.87	50.21	74.00	23.79
4882	26	AV	V	31.02	5.09	26.87	35.24	54.00	18.76
7323	36.77	PK	V	34.95	6.22	26.40	51.54	74.00	22.46
7323	22.26	AV	V	34.95	6.22	26.40	37.03	54.00	16.97
1501	44.51	PK	V	24.10	2.67	26.33	44.95	74.00	29.05
1501 1381	32.38 40.77	AV PK	V	24.10	2.67	26.33 26.44	32.82	54.00 74.00	21.18 33.37
1381	28.46	AV	V	23.79 23.79	2.51 2.51	26.44	40.63 28.32	54.00	25.68
281.9575	47.82	QP	H	13.92	1.20	27.51	35.43	46.00	10.57
563.985	48.85	QP	Н	18.85	1.76	28.84	40.62	46.00	5.38
303.903	40.00	QF		High Chan			40.02	40.00	3.30
2480	66.34	PK	Н	23.27	2.99	0.00	92.6	N/A	N/A
2480	56.24	AV	H	23.27	2.99	0.00	82.5	N/A	N/A
2480	68.42	PK	V	23.27	2.99	0.00	94.68	N/A	N/A
2480	57.65	AV	V	23.27	2.99	0.00	83.91	N/A	N/A
2483.5	38.44	PK	V	23.26	2.99	0.00	64.69	74.00	9.31
2483.5	21.41	AV	V	23.26	2.99	0.00	47.66	54.00	6.34
4960	36.41	PK	V	31.27	5.05	26.88	45.85	74.00	28.15
4960	30.71	AV	V	31.27	5.05	26.88	40.15	54.00	13.85
7440	34.78	PK	V	35.18	6.27	26.45	49.78	74.00	24.22
7440	27.84	AV	V	35.18	6.27	26.45	42.84	54.00	11.16
1501	40.84	PK	V	24.10	2.67	26.33	41.28	74.00	32.72
1501	28.73	AV	V	24.10	2.67	26.33	29.17	54.00	24.83
281.9575	47.35	QP	Н	13.92	1.20	27.51	34.96	46.00	11.04
563.985	49.29	QP	Н	18.85	1.76	28.84	41.06	46.00	4.94

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FCC §15.247(a) (1) - CHANNEL SEPARATION TEST

Applicable Standard

Frequency hopping systems shall have hoping channel carrier frequencies separated by a minimum of 25 kHz or the 20dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.50 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20dB bandwidth of the hopping channel, whichever is greater provided the systems operate with an output power no greater than 125 mW.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	Spectrum Analyzer	FSEM30	100018	2016-12-02	2017-12-01
Unknown	Attenuator	10dB	10dB-1	Each Time	1
Unknown	RF Cable	Unknown	C-5	Each Time	1

^{*} Statement of Traceability: BACL(Chengdu) attests that all of the calibrations on the equipment items listed above were traceable to NIM or to another internationally recognized National Metrology Institute (NMI), and were compliant with the NIST HB 150-2016 Normative Annex B "Implementation of traceability policy in accredited laboratories".

Test Procedure

- 1. Set the EUT in transmitting mode, spectrum Bandwidth was set at 30 kHz, maxhold the channel.
- 2. Set the adjacent channel of the EUT maxhold another trace.
- 3. Measure the channel separation.

Test Data

Environmental Conditions

Temperature:	24.9 °C
Relative Humidity:	50.6 %
ATM Pressure:	100.3 kPa

^{*} The testing was performed by Kevin Hu on 2017-03-22.

Test Result: Compliance.

Please refer to following tables and plots

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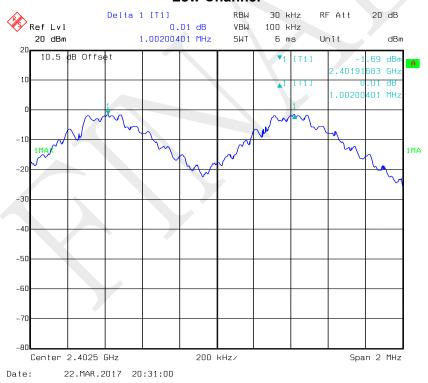
Test Mode: Transmitting

Mode	Channel	Frequency	Channel Separation	Limit
		MHz	MHz	MHz
200	Low	2402	1.002	0.65
BDR (GFSK)	Middle	2441	1.002	0.65
(GFSK)	High	2480	1.002	0.65
EDD	Low	2402	0.950	0.91
EDR (π/4-DQPSK)	Middle	2441	0.954	0.92
(11/4-DQP3K)	High	2480	0.998	0.91
500	Low	2402	1.002	0.92
EDR (8DPSK)	Middle	2441	1.006	0.91
(ODF SK)	High	2480	0.998	0.91

Note: Limit= (2/3)× 20dB bandwidth

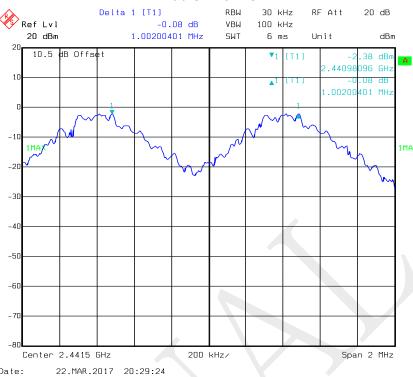
BDR Mode (GFSK):

Low Channel

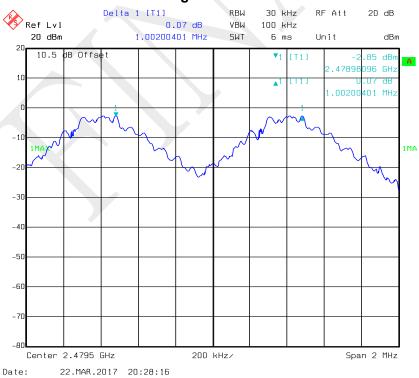


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Middle Channel

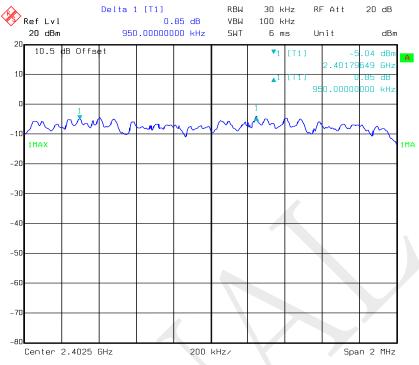


High Channel



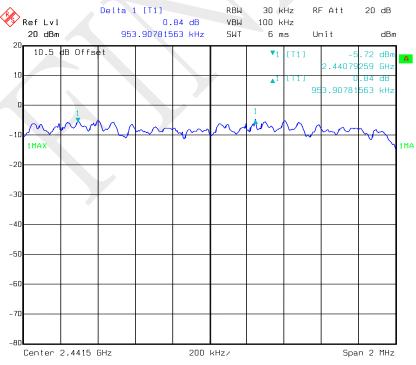
EDR Mode (π/4-DQPSK):

Low Channel



Date: 22.MAR.2017 20:25:06

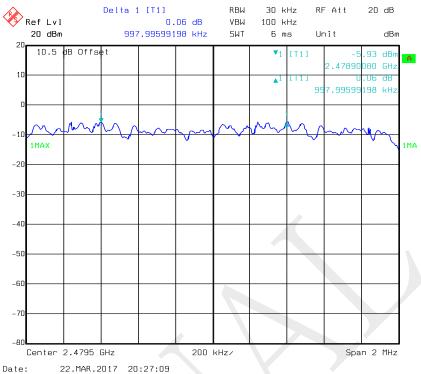
Middle Channel



Date: 22.MAR.2017 20:26:12

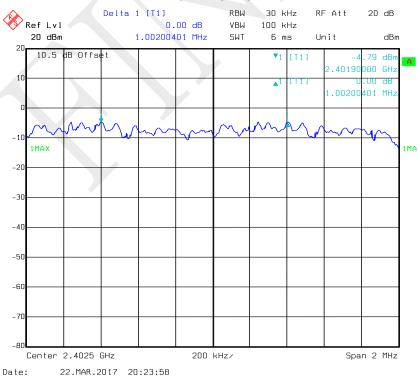
Bay Area Compliance Laboratories Corp. (Chengdu)

High Channel



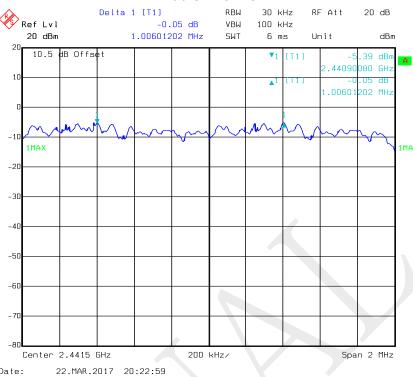
EDR Mode (8-DPSK):

Low Channel

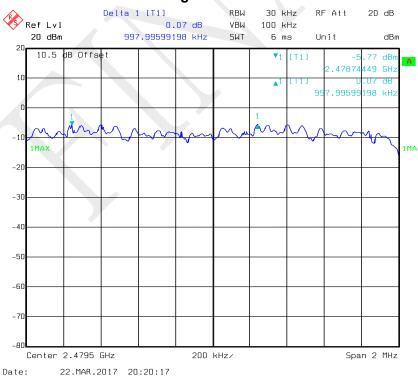


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Middle Channel



High Channel



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FCC §15.247(a) (1) - 20 dB BANDWIDTH TESTING

Applicable Standard

Alternatively, frequency hopping systems operating in the 2400–2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

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 Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	Spectrum Analyzer	FSEM30	100018	2016-12-02	2017-12-01
Unknown	Attenuator	10dB	10dB-1	Each Time	1
Unknown	RF Cable	Unknown	C-5	Each Time	1

^{*} Statement of Traceability: BACL(Chengdu) attests that all of the calibrations on the equipment items listed above were traceable to NIM or to another internationally recognized National Metrology Institute (NMI), and were compliant with the NIST HB 150-2016 Normative Annex B "Implementation of traceability policy in accredited laboratories".

Test Data

Environmental Conditions

Temperature:	23.1 °C	
Relative Humidity:	61.9 %	
ATM Pressure:	100.7 kPa	

^{*} The testing was performed by Kevin Hu on 2017-03-22.

Test Result: Compliance.

Please refer to following tables and plots

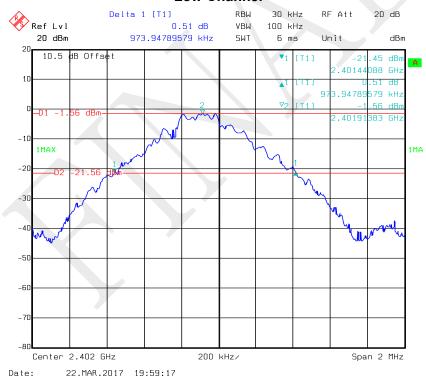
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Test Mode: Transmitting

Mode	Channel	Frequency (MHz)	20 dB Bandwidth (MHz)
DDD M. J.	Low	2402	0.97
BDR Mode (GFSK)	Middle	2441	0.97
(Ol Olt)	High	2480	0.97
EDD 14	Low	2402	1.37
EDR Mode (π/4-DQPSK)	Middle	2441	1.38
	High	2480	1.37
EDR Mode (8-DPSK)	Low	2402	1.38
	Middle	2441	1.37
(0 21 011)	High	2480	1.37

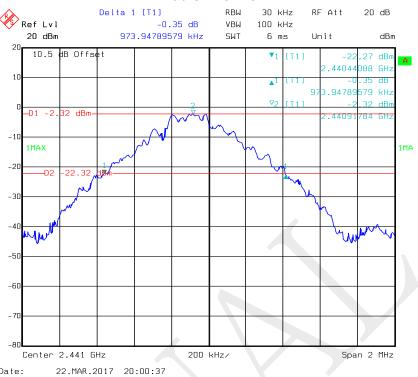
BDR Mode (GFSK):

Low Channel

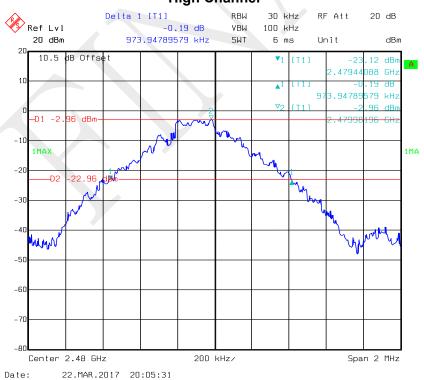


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Middle Channel

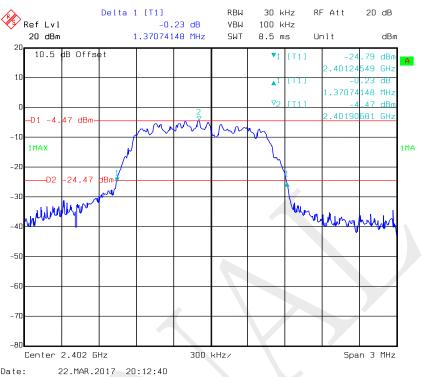


High Channel

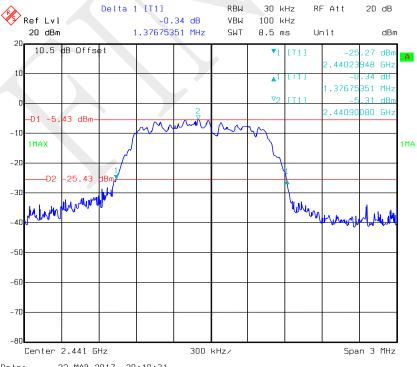


EDR Mode (π/4-DQPSK):

Low Channel



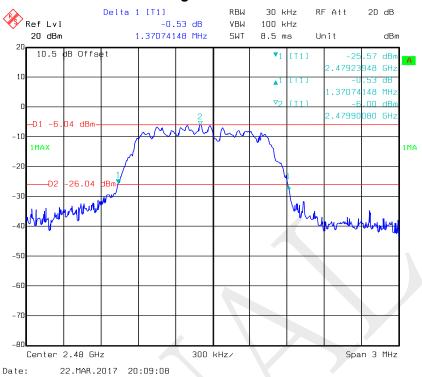
Middle Channel



22.MAR.2017 20:10:31 Date:

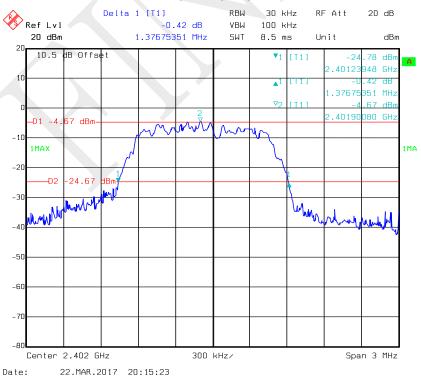
Report No.: RDG170502806A

High Channel



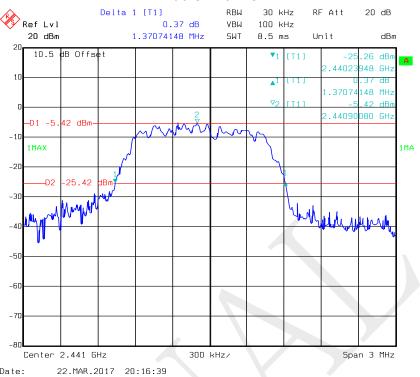
EDR Mode (8-DPSK):

Low Channel

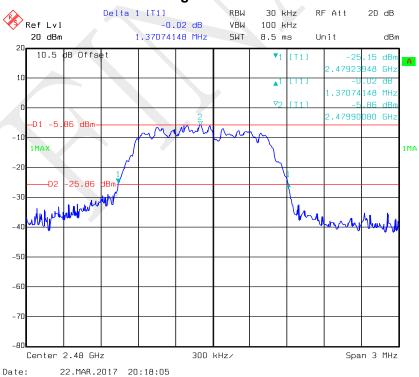


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Middle Channel



High Channel



FCC §15.247(a) (1) (iii) - QUANTITY OF HOPPING CHANNEL TEST

Applicable Standard

Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

Test Procedure

- 1. Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.
- 2. Set the EUT in hopping mode from first channel to last.
- 3. By using the Max-Hold function record the Quantity of the channel.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	Spectrum Analyzer	FSEM30	100018	2016-12-02	2017-12-01
Unknown	Attenuator	10dB	10dB-1	Each Time	1
Unknown	RF Cable	Unknown	C-5	Each Time	1

^{*} Statement of Traceability: BACL(Chengdu) attests that all of the calibrations on the equipment items listed above were traceable to NIM or to another internationally recognized National Metrology Institute (NMI), and were compliant with the NIST HB 150-2016 Normative Annex B "Implementation of traceability policy in accredited laboratories".

Test Data

Environmental Conditions

Temperature:	23.1°C
Relative Humidity:	61.9%
ATM Pressure:	100.7 kPa

^{*} The testing was performed by Kevin Hu from 2017-03-22.

Test Result: Compliance.

Please refer to following tables and plots

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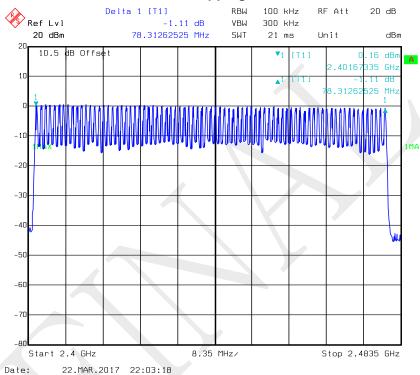
Bay Area Compliance Laboratories Corp. (Chengdu)

Test Mode: Transmitting

BDR Mode (GFSK):

Frequency Range (MHz)	Number of Hopping Channel	Limit
2400-2483.5	79	≥15

Number of Hopping Channels

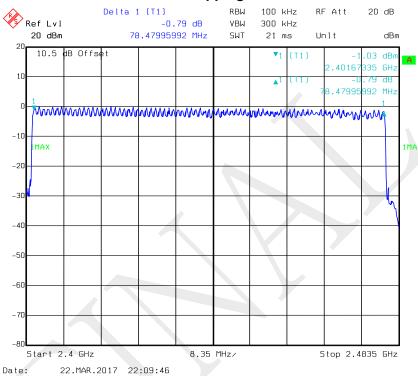


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EDR Mode ($\pi/4$ -DQPSK):

Frequency Range (MHz)	Number of Hopping Channel	Limit
2400-2483.5	79	≥15

Number of Hopping Channels

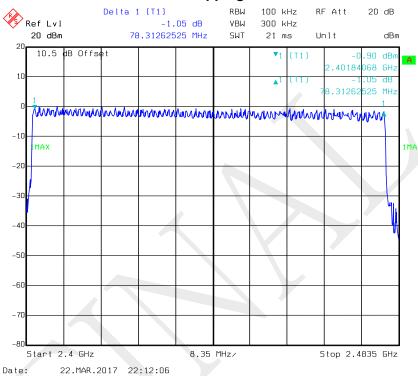


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EDR Mode (8-DPSK):

Frequency Range (MHz)	Number of Hopping Channel	Limit
2400-2483.5	79	≥15

Number of Hopping Channels



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FCC §15.247(a) (1) (iii) - TIME OF OCCUPANCY (DWELL TIME)

Applicable Standard

Frequency hopping systems in the 2400-2483.5 MHz shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

Test Procedure

The EUT was worked in channel hopping; Spectrum SPAN was set as 0. Sweep was set as 0.4 * channel no. (s), the quantity of pulse was get from single sweep. In addition, the time of single pulses was tested.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	Spectrum Analyzer	FSEM30	100018	2016-12-02	2017-12-01
Unknown	Attenuator	10dB	10dB-1	Each Time	1
Unknown	RF Cable	Unknown	C-5	Each Time	1

^{*} Statement of Traceability: BACL(Chengdu) attests that all of the calibrations on the equipment items listed above were traceable to NIM or to another internationally recognized National Metrology Institute (NMI), and were compliant with the NIST HB 150-2016 Normative Annex B "Implementation of traceability policy in accredited laboratories".

Test Data

Environmental Conditions

Temperature:	23.1°C	
Relative Humidity:	61.9%	
ATM Pressure:	100.7 kPa	

^{*} The testing was performed by Kevin Hu on 2017-03-22

Test Result: Compliance.

Please refer to following tables and plots

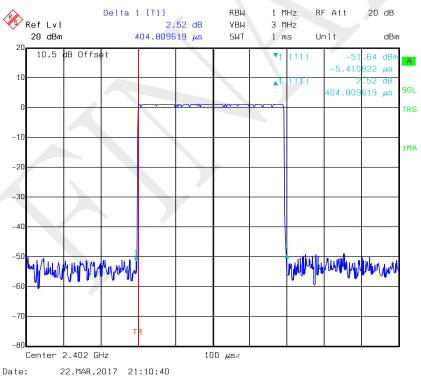
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Test Mode: Transmitting

BDR Mode (GFSK):

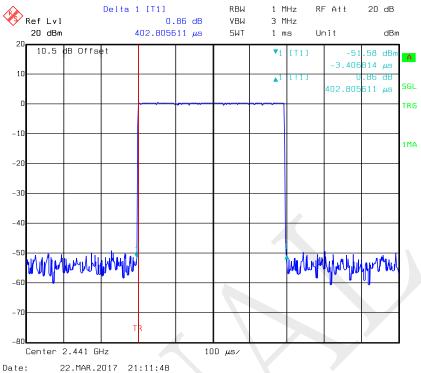
Mode	Channel	Pulse Width (ms)	Dwell Time (s)	Limit (s)	Result	
	Low	0.405	0.130	0.4	Compliance	
DH1	Middle	0.403	0.129	0.4	Compliance	
DITT	High	0.403	0.129	0.4	Compliance	
	Note: Dwell time=Pulse time (ms) × (1600/2/79) ×31.6 s					
	Low	1.683	0.269	0.4	Compliance	
DH3	Middle	1.677	0.268	0.4	Compliance	
DIIS	High	1.671	0.267	0.4	Compliance	
Note: Dwell time=Pulse time (ms) × (1600/4/79) ×3				31.6 s		
	Low	2.96	0.316	0.4	Compliance	
DH5	Middle	2.953	0.315	0.4	Compliance	
<i>D</i> 113	High	2.953	0.315	0.4	Compliance	
	Note: Dwell time=Pulse time (ms) × (1600/6/79) ×31.6 s					

DH1: Low Channel



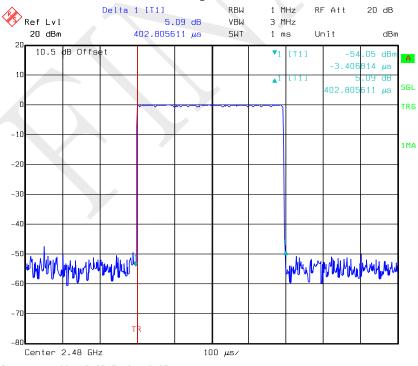
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DH1: Middle Channel



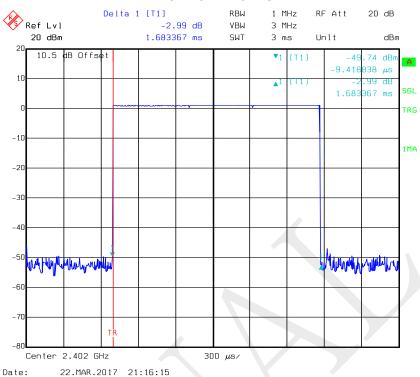
22.MAR.2017 21:11:48

DH1: High Channel

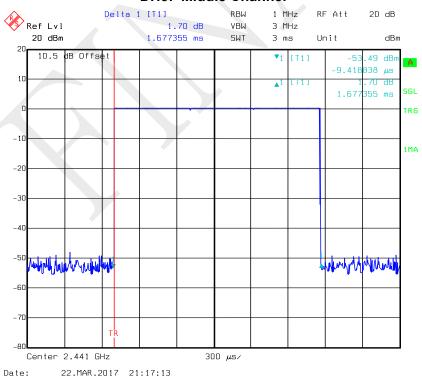


22.MAR.2017 21:12:27 Date:

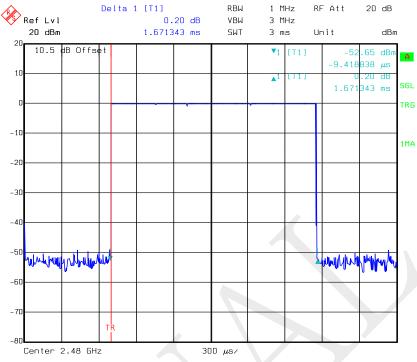
DH3: Low Channel



DH3: Middle Channel

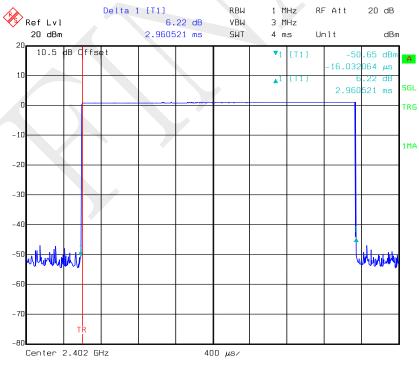


DH3: High Channel



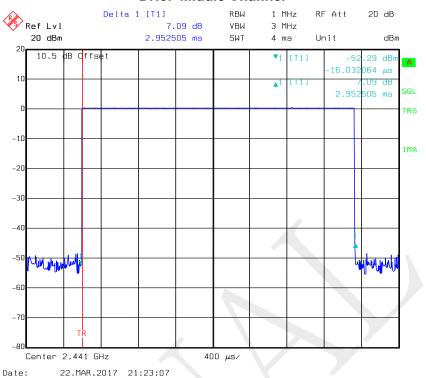
Date: 22.MAR.2017 21:17:57

DH5: Low Channel

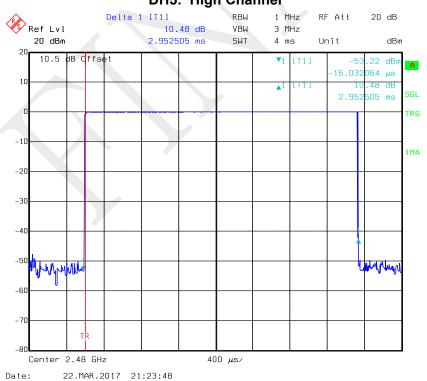


Date: 22.MAR.2017 21:21:48

DH5: Middle Channel



DH5: High Channel



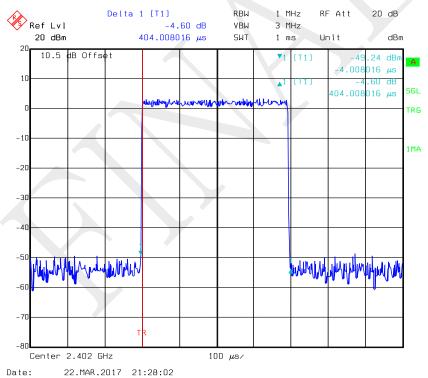
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EDR Mode ($\pi/4$ -DQPSK):

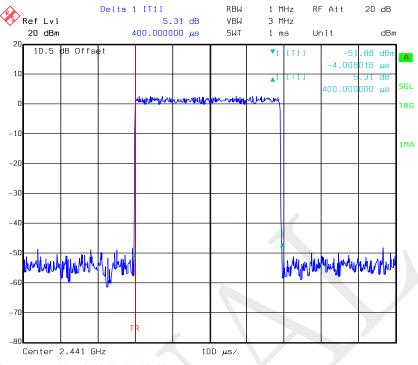
Mode	Channel	Pulse Width (ms)	Dwell Time (s)	Limit (s)	Result	
	Low	0.404	0.129	0.4	Compliance	
2DH1	Middle	0.4	0.128	0.4	Compliance	
20111	High	0.402	0.129	0.4	Compliance	
	Note: Dwell time=Pulse time (ms) × (1600/2/79) ×31.6 s					
2DH3	Low	1.683	0.269	0.4	Compliance	
	Middle	1.677	0.268	0.4	Compliance	
20113	High	1.677	0.268	0.4	Compliance	
	Note: Dwell time=Pulse time (ms) × (1600/4/79) ×31.6 s					
2DH5	Low	2.951	0.315	0.4	Compliance	
	Middle	2.975	0.317	0.4	Compliance	
20113	High	2.967	0.316	0.4	Compliance	
	Note: Dwell time=Pulse time (ms) × (1600/6/79) ×31.6 s					

2DH1: Low Channel



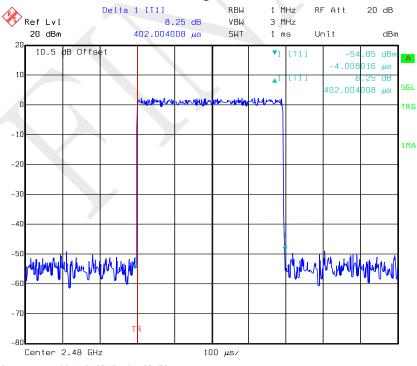
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2DH1: Middle Channel



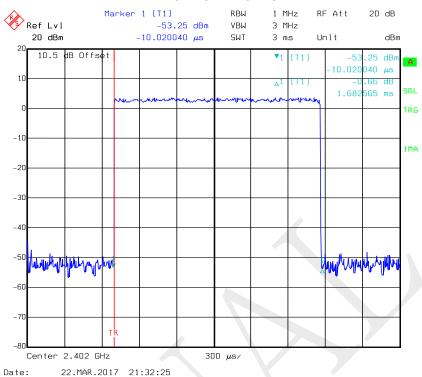
Date: 22.MAR.2017 21:29:55

2DH1: High Channel

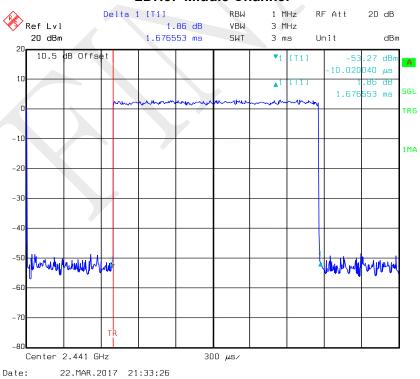


Date: 22.MAR.2017 21:30:52

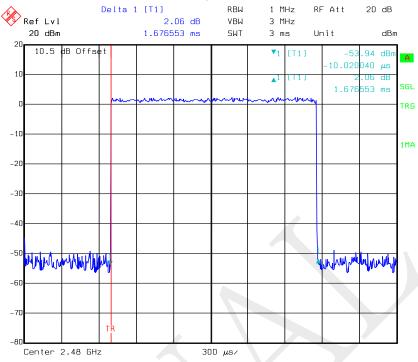
2DH3: Low Channel



2DH3: Middle Channel

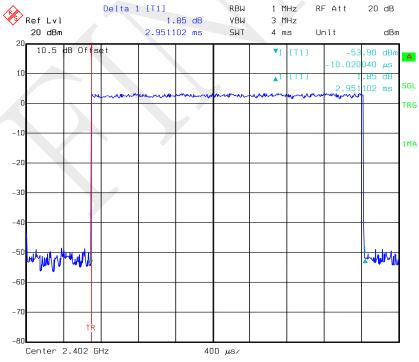


2DH3: High Channel



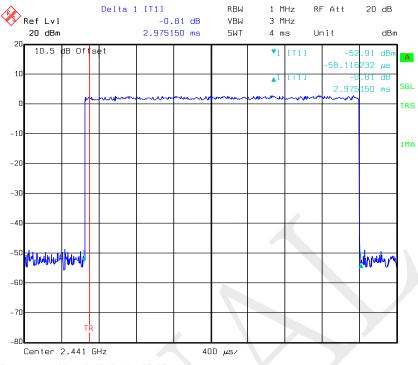
ate: 22.MAR.2017 21:34:17

2DH5: Low Channel



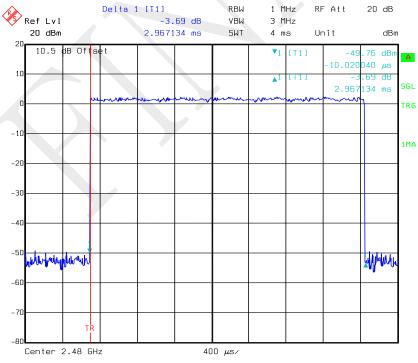
Date: 22.MAR.2017 21:36:45

2DH5: Middle Channel



Date: 22.MAR.2017 21:37:35

2DH5: High Channel

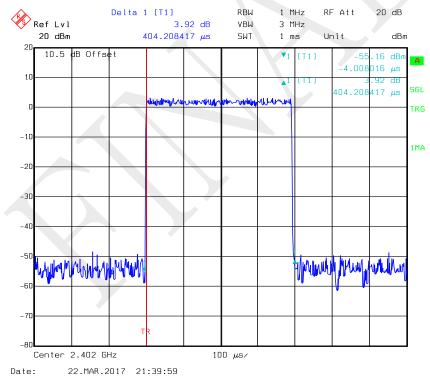


Date: 22.MAR.2017 21:38:45

EDR Mode (8-DPSK):

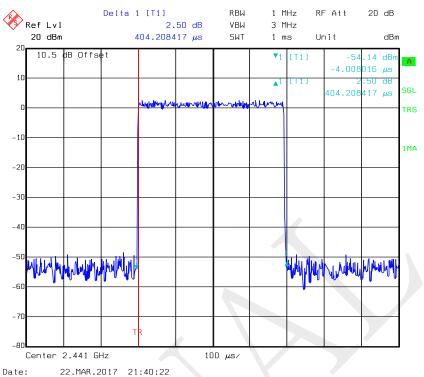
Mode	Channel	Pulse Width (ms)	Dwell Time (s)	Limit (s)	Result	
	Low	0.404	0.129	0.4	Compliance	
3DH1	Middle	0.404	0.129	0.4	Compliance	
30111	High	0.402	0.129	0.4	Compliance	
	Note: Dwell time=Pulse time (ms) × (1600/2/79) ×31.6 s					
	Low	1.689	0.270	0.4	Compliance	
3DH3	Middle	1.689	0.270	0.4	Compliance	
30113	High	1.677	0.268	0.4	Compliance	
	Note: Dwell time=Pulse time (ms) × (1600/4/79) ×31.6 s					
	Low	2.951	0.315	0.4	Compliance	
3DH5	Middle	2.967	0.316	0.4	Compliance	
3DH3	High	2.951	0.315	0.4	Compliance	
	Note: Dwell time=Pulse time (ms) × (1600/6/79) ×31.6 s					

3DH1: Low Channel

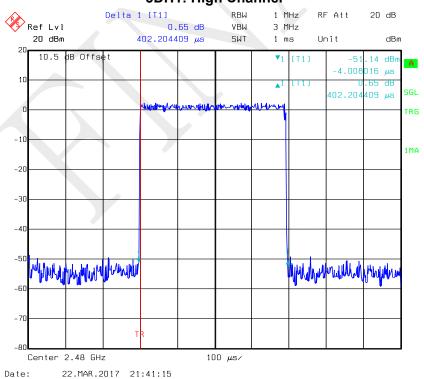


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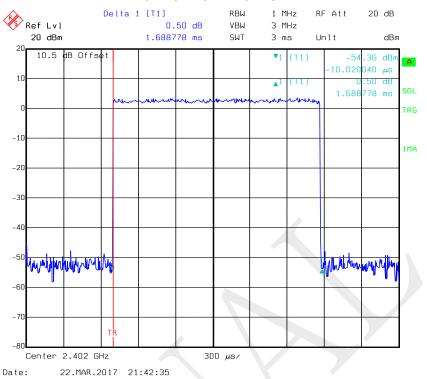
3DH1: Middle Channel



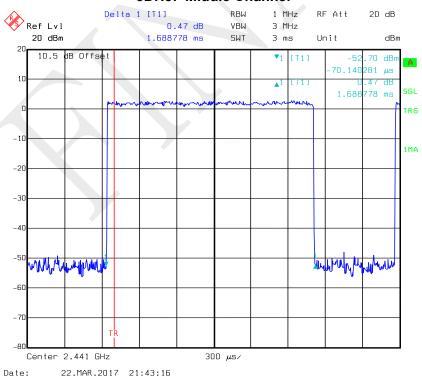
3DH1: High Channel



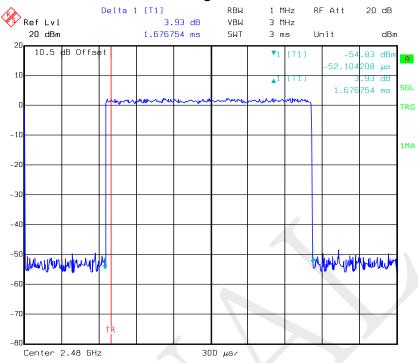
3DH3: Low Channel



3DH3: Middle Channel

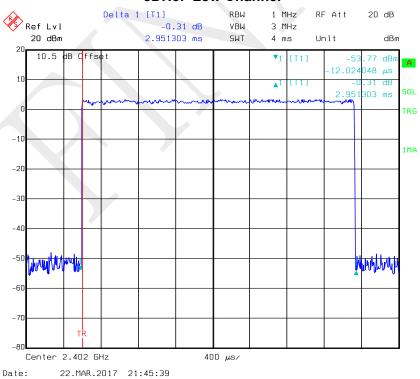


3DH3: High Channel

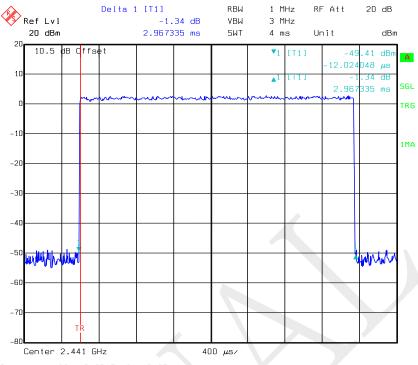


ate: 22.MAR.2017 21:44:03

3DH5: Low Channel

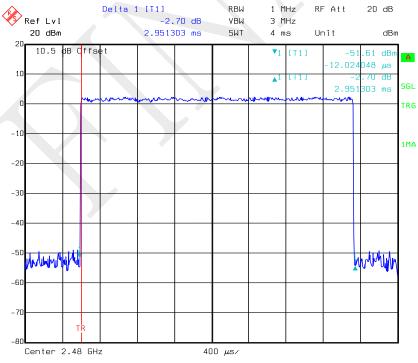


3DH5: Middle Channel



Date: 22.MAR.2017 21:46:27

3DH5: High Channel



Date: 22.MAR.2017 21:47:11

FCC §15.247(b) (1) - PEAK OUTPUT POWER MEASUREMENT

Applicable Standard

According to §15.247(b) (1), for frequency hopping systems operating in the 2400–2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400–2483.5 MHz band: 0.125 watts

Test Procedure

- 1. Place the EUT on a bench and set in transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to one 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
Rohde & Schwarz	Spectrum Analyzer	FSEM30	100018	2016-12-02	2017-12-01
Unknown	Attenuator	10dB	10dB-1	Each Time	1
Unknown	RF Cable	Unknown	C-5	Each Time	1

^{*} Statement of Traceability: BACL(Chengdu) attests that all of the calibrations on the equipment items listed above were traceable to NIM or to another internationally recognized National Metrology Institute (NMI), and were compliant with the NIST HB 150-2016 Normative Annex B "Implementation of traceability policy in accredited laboratories".

Test Data

Environmental Conditions

Temperature:	23.1°C
Relative Humidity:	61.9 %
ATM Pressure:	100.7 kPa

^{*} The testing was performed by Kevin Hu on 2017-03-22.

Test Result: Compliance.

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Test Mode: Transmitting

Mode	Frequency (MHz)	Peak Output power (dBm)	Limit (dBm)
DDD M. J.	2402	1.1	30
BDR Mode (GFSK)	2441	0.34	30
(GFSK)	2480	-0.16	30
EDR Mode (π/4-DQPSK)	2402	3.77	30
	2441	3.02	30
	2480	2.51	30
EDR Mode (8-DPSK)	2402	3.64	30
	2441	3.02	30
	2480	2.63	30

Note: The data above was tested in conducted mode.

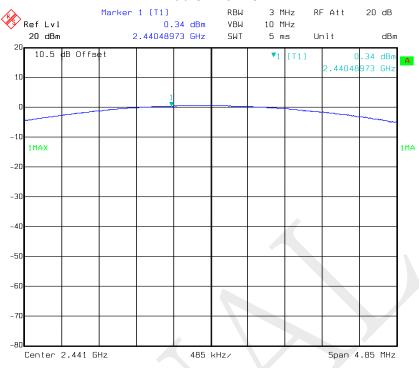
BDR Mode (GFSK):

Low Channel



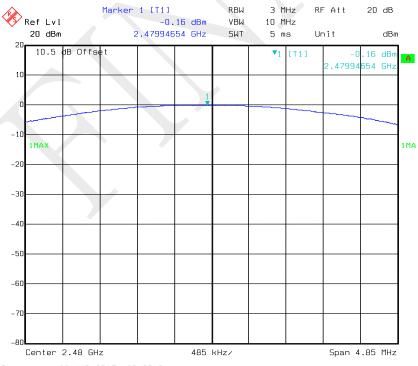
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Middle Channel



te: 22.MAR.2017 20:00:59

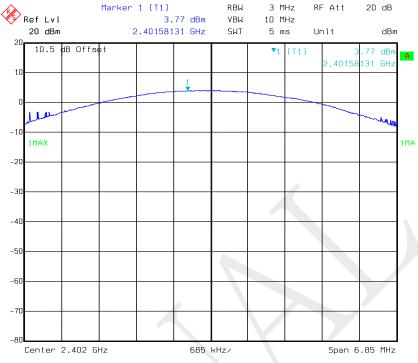
High Channel



Date: 22.MAR.2017 20:06:31

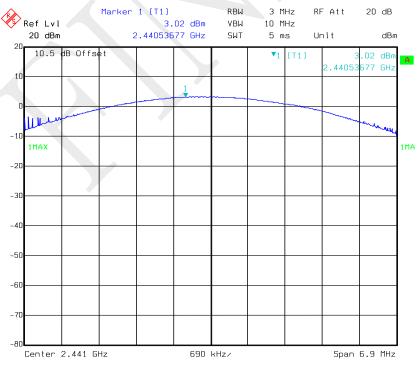
EDR Mode ($\pi/4$ -DQPSK):





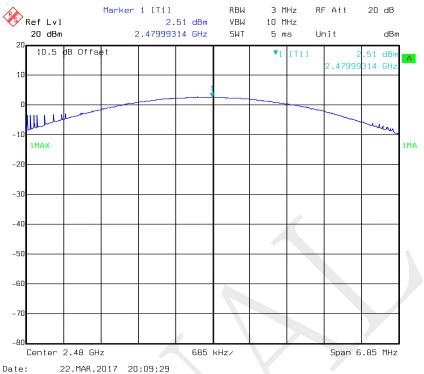
Date: 22.MAR.2017 20:13:01

Middle Channel



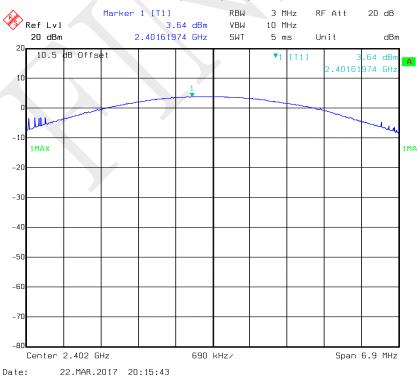
Date: 22.MAR.2017 20:10:51

High Channel



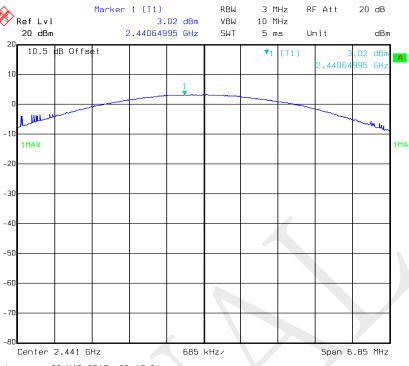
EDR Mode (8-DPSK):

Low Channel



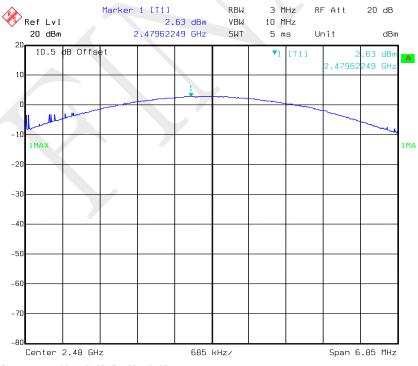
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Middle Channel



ate: 22.MAR.2017 20:17:01

High Channel



Date: 22.MAR.2017 20:18:26

FCC §15.247(d) - BAND EDGES TESTING

Applicable Standard

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. Remove the antenna from the EUT and then connect to a low loss RF cable from the antenna port to a EMI test receiver, then turn on the EUT and make it operate in transmitting mode. Then set it to Low Channel and High Channel within its operating range, and make sure the instrument is operated in its linear range.
- 3. Set RBW/VBW=100/300kHz of spectrum analyze 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
Rohde & Schwarz	Spectrum Analyzer	FSEM30	100018	2016-12-02	2017-12-01
Unknown	Attenuator	10dB	10dB-1	Each Time	1
Unknown	RF Cable	Unknown	C-5	Each Time	/

^{*} Statement of Traceability: BACL(Chengdu) attests that all of the calibrations on the equipment items listed above were traceable to NIM or to another internationally recognized National Metrology Institute (NMI), and were compliant with the NIST HB 150-2016 Normative Annex B "Implementation of traceability policy in accredited laboratories".

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Test Data

Environmental Conditions

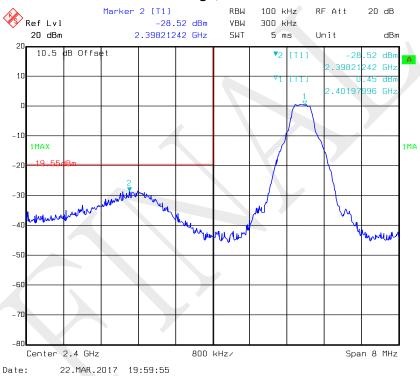
Temperature:	23.1°C
Relative Humidity:	61.9 %
ATM Pressure:	100.7 kPa

^{*} The testing was performed by Kevin Hu on 2017-03-22.

Test Result: Compliance

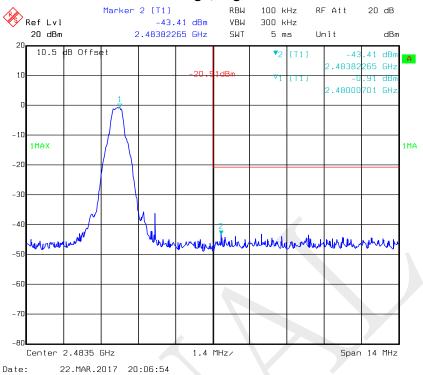
BDR Mode (GFSK):

Band Edge, Left Side



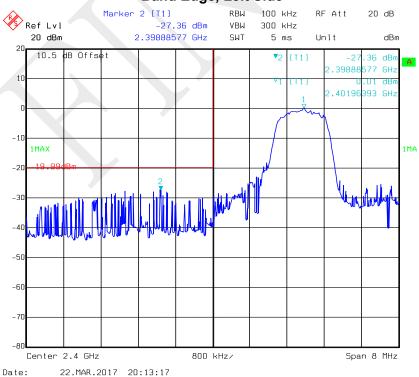
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Band Edge, Right Side



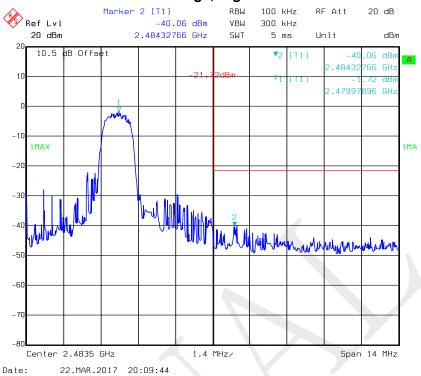
EDR Mode (π/4-DQPSK):

Band Edge, Left Side



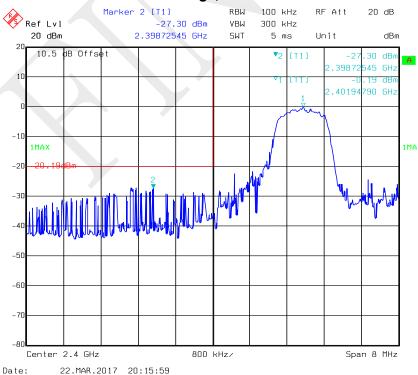
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Band Edge, Right Side



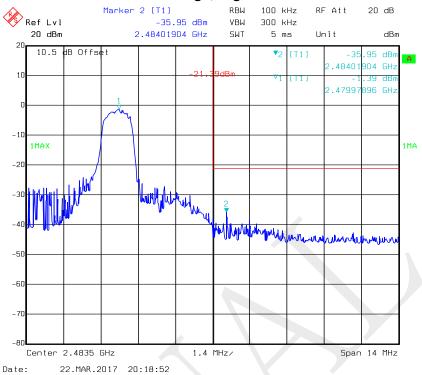
EDR Mode (8-DPSK):

Band Edge, Left Side



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Band Edge, Right Side



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

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