

FCC PART 15.247 TEST REPORT

For

Interglobe Connection Corp

8228 NW 30th Terrace, Doral, Florida, United States

FCC ID: 2AC7ISOLEC22N

Report Type: **Product Name:** Original Report Mobile phone Report Number: RDG170710013-00B **Report Date:** 2017-08-17 Jerry Zhang Jerry Zhang **EMC Manager Reviewed By:** Bay Area Compliance Laboratories Corp. (Dongguan) No.69 Pulongcun, Puxinhu Industry Area, **Test Laboratory:** Tangxia, Dongguan, Guangdong, China Tel: +86-769-86858888 Fax: +86-769-86858891 www.baclcorp.com.cn

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Dongguan).

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The *Interglobe Connection Corp*'s product, model: *C22 (FCC ID: 2AC7ISOLEC22N)*, which was measured approximately:111 mm (H) x 47 mm (W) x 13.9 mm (H), rated input voltage: DC3.7V from battery or DC 5V from adapter.

Adapter Information:

INPUT: AC 100-240V, 50/60Hz OUTPUT: DC 5V, 500mA

All measurement and test data in this report was gathered from production sample serial number: 170710013 (Assigned by BACL Dongguan). The EUT was received on 2017-07-11.

Objective

This report is prepared on behalf of *Interglobe Connection Corp* 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)

FCC Part 15B JBP submissions with FCC ID: 2AC7ISOLEC22N . FCC Part 22H, 24E PCE submissions with FCC ID: 2AC7ISOLEC22N .

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 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 ℃			
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

Bay Area Compliance Laboratories Corp. (Dongguan) has been accredited to ISO 17025 by CNAS(Lab code: L5662). And accredited to ISO 17025 by NVLAP(Test Laboratory Accreditation Certificate Number 500069-0), the FCC Designation No. CN5002 under the KDB 974614 D01.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 273710. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

Bay Area Compliance Laboratories Corp. (Dongguan) was registered with ISED Canada under ISED Canada Registration Number 3062D.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in engineering mode.

EUT Exercise Software

The engineering mode configured the maximum power as default setting.

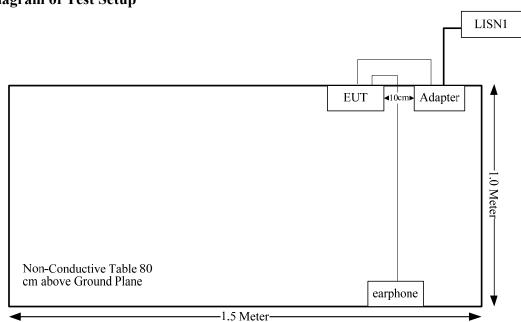
Equipment Modifications

No modification was made to the EUT.

Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From	То	
USB Cable	Yes	No	0.81	Adapter	EUT	
Earphone Cable	No	No	0.86	EUT	Earphone	

Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.247 (i) & §1.1310 & §2.1093	RF Exposure	Compliance
§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

FCC §15.247 (i) & §1.1310 & §2.1093- RF EXPOSURE

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 ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB447498 D01 General RF Exposure Guidance v06:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances \leq 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] \cdot [$\sqrt{f(GHz)}$] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is ≤ 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Measurement Result

The max conducted power including tune-up tolerance is 9.3 dBm (8.51 mW). [(max. power of channel, mW)/(min. test separation distance, mm)][$\sqrt{f(GHz)}$] = 8.51/5*($\sqrt{2.480}$) = 2.7< 3.0

So the stand-alone SAR evaluation is not necessary.

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 2.7 dBi, fulfill the requirement of this section. Please refer to the EUT photos.

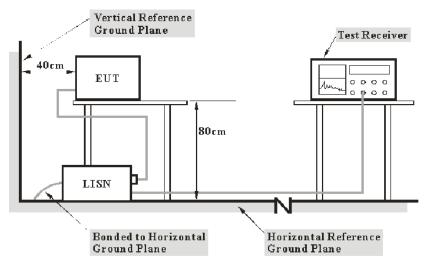
Result: Compliance.

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.

Both of LISNs (AMN) 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 main LISN with a 120 V/60 Hz AC power source.

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.

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 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
R&S	EMI Test Receiver	ESCS 30	830245/006	2016-12-08	2017-12-08
R&S	L.I.S.N	ESH2-Z5	892107/021	2016-09-01	2017-09-01
R&S	Two-line V-network	ENV 216	3560.6550.12	2016-12-08	2017-12-08
R&S	Test Software	EMC32	Version8.53.0	N/A	N/A
Unknown	Coaxial Cable	2m	Con-1	2016-09-01	2017-09-01

^{*} 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

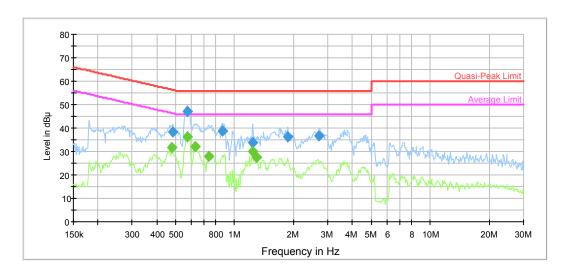
Environmental Conditions

Temperature:	26.6 °C	
Relative Humidity:	48 %	
ATM Pressure:	99.9 kPa	

The testing was performed by Gaochao Gong on 2017-08-10.

Test Mode: Transmitting

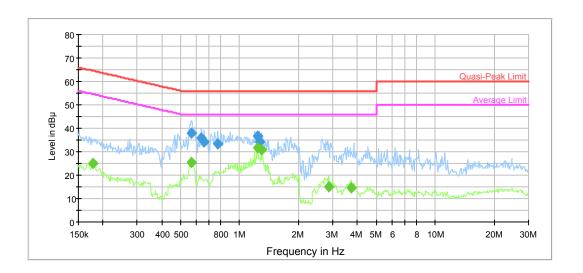
AC120V, 60 Hz, Line:



Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.483938	38.5	9.000	L1	9.9	17.8	56.3	Compliance
0.576662	47.1	9.000	L1	9.8	8.9	56.0	Compliance
0.865782	38.6	9.000	L1	9.8	17.4	56.0	Compliance
1.239175	33.6	9.000	L1	9.7	22.4	56.0	Compliance
1.875341	36.2	9.000	L1	9.7	19.8	56.0	Compliance
2.705607	36.7	9.000	L1	9.8	19.3	56.0	Compliance

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.476287	31.7	9.000	L1	9.9	14.7	46.4	Compliance
0.576662	36.5	9.000	L1	9.8	9.5	46.0	Compliance
0.629488	32.2	9.000	L1	9.8	13.8	46.0	Compliance
0.738241	27.7	9.000	L1	9.8	18.3	46.0	Compliance
1.239175	30.0	9.000	L1	9.7	16.0	46.0	Compliance
1.289541	27.4	9.000	L1	9.7	18.6	46.0	Compliance

AC120V, 60 Hz, Neutral:



Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.567545	37.8	9.000	N	9.8	18.2	56.0	Compliance
0.639600	35.9	9.000	N	9.8	20.1	56.0	Compliance
0.660314	34.0	9.000	N	9.8	22.0	56.0	Compliance
0.774393	33.5	9.000	N	9.8	22.5	56.0	Compliance
1.239175	36.6	9.000	N	9.7	19.4	56.0	Compliance
1.259081	34.4	9.000	N	9.7	21.6	56.0	Compliance

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.177322	24.9	9.000	N	10.8	29.7	54.6	Compliance
0.567545	25.5	9.000	N	9.8	20.5	46.0	Compliance
1.239175	31.6	9.000	N	9.7	14.4	46.0	Compliance
1.289541	31.0	9.000	N	9.7	15.0	46.0	Compliance
2.860806	15.1	9.000	N	9.8	30.9	46.0	Compliance
3.721226	14.4	9.000	N	9.8	31.6	46.0	Compliance

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

Applicable Standard

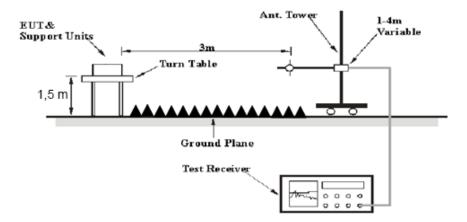
FCC §15.247 (d); §15.209; §15.205;

EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission tests were performed in the 3 meters chamber test site for the range 30MHz to 1GHz and the 3 meters chamber test site for above 1GHz, 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.

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
Al 1 CH	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
R&S	EMI Test Receiver	ESCI	100224	2016-09-01	2017-08-31
Sunol Sciences	Antenna	JB3	A060611-1	2014-11-06	2017-11-05
HP	Amplifier	8447E	2434A02181	2016-09-01	2017-09-01
R&S	Spectrum Analyzer	FSU 26	200256	2016-12-08	2017-12-08
ETS-Lindgren	Horn Antenna	3115	000 527 35	2016-01-05	2019-01-04
Ducommun Technolagies	Horn Antenna	ARH-4223-02	1007726-02 1304	2017-06-16	2020-06-15
MITEQ	Amplifier	AFS42-00101800- 25-S-42	2001271	2016-09-05	2017-09-05
Quinstar	Amplifier	QLW-18405536-JO	15964001001	2016-09-06	2017-09-06
Unknown	Coaxial Cable	Chamber 10-1	0.75m	2016-09-01	2017-09-01
Unknown	Coaxial Cable	Chamber B-1	0.75m	2016-09-01	2017-09-01
Unknown	Coaxial Cable	Chamber 10-2	14m	2016-09-01	2017-09-01
Unknown	Coaxial Cable	Chamber B-2	8m	2016-09-01	2017-09-01
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).

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:	26.4 °C
Relative Humidity:	57 %
ATM Pressure:	99.9 kPa

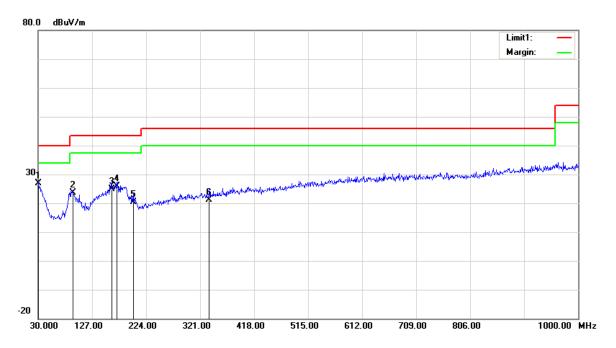
^{*} The testing was performed by Mark Pan on 2017-08-10.

Test Mode: Transmitting

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1) 30MHz-1GHz(8DPSK High channel was the worst)

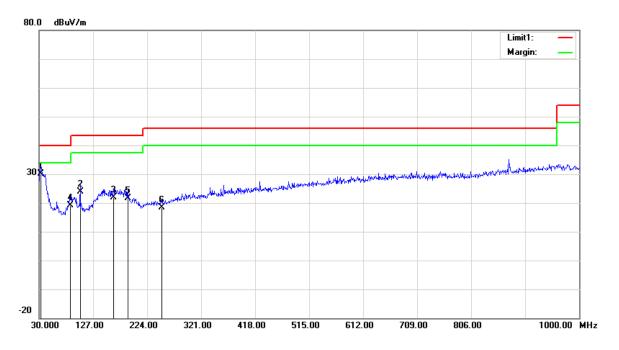
Horizontal:



Frequency (MHz)	Receiver Reading (dBuV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
30.0000	28.72	QP	-1.92	26.80	40.00	13.20
92.0800	36.08	QP	-12.38	23.70	43.50	19.80
161.9200	31.99	QP	-6.99	25.00	43.50	18.50
171.6200	33.19	QP	-7.19	26.00	43.50	17.50
200.7200	27.27	QP	-6.97	20.30	43.50	23.20
337.4900	25.31	QP	-4.11	21.20	46.00	24.80

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Vertical:



Frequency (MHz)	Receiver Reading (dBuV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
32.9100	33.44	QP	-3.34	30.10	40.00	9.90
103.7200	35.15	QP	-11.35	23.80	43.50	19.70
163.8600	28.90	QP	-7.00	21.90	43.50	21.60
86.2600	32.06	QP	-12.86	19.20	40.00	20.80
189.0800	29.67	QP	-8.07	21.60	43.50	21.90
250.1900	25.90	QP	-7.50	18.40	46.00	27.60

2) 1-25GHz:

BDR Mode (GFSK):

	Rece	eiver	Rx A	ntenna	Cable	Amplifier	Corrected		
Frequency	Reading		Polar	Factor	loss	Gain	Amplitude	Limit	Margin
(MHz)	(dBµV)	Detector	(H/V)	(dB)	(dB)	(dB)	(dBµV/m)	(dBµV/m)	(dB)
Low Channel: 2402 MHz									
2402	62.43	PK	Н	28.10	3.11	0.00	93.64	N/A	N/A
2402	52.14	AV	Н	28.10	3.11	0.00	83.35	N/A	N/A
2402	67.88	PK	V	28.10	3.11	0.00	99.09	N/A	N/A
2402	56.26	AV	V	28.10	3.11	0.00	87.47	N/A	N/A
2390	24.67	PK	V	28.08	3.10	0.00	55.85	74.00	18.15
2390	13.26	AV	V	28.08	3.10	0.00	44.44	54.00	9.56
4804	47.66	PK	V	32.91	4.30	35.48	49.39	74.00	24.61
4804	33.12	AV	V	32.91	4.30	35.48	34.85	54.00	19.15
7206	45.32	PK	V	35.74	5.45	35.97	50.54	74.00	23.46
7206	32.26	AV	V	35.74	5.45	35.97	37.48	54.00	16.52
6455	46.53	PK	V	34.21	5.22	35.75	50.21	74.00	23.79
6455	32.28	AV	V	34.21	5.22	35.75	35.96	54.00	18.04
			N	Middle Cha	nnel: 244	l MHz			
2441	64.41	PK	Н	28.18	3.11	0.00	95.70	N/A	N/A
2441	54.34	AV	Н	28.18	3.11	0.00	85.63	N/A	N/A
2441	67.89	PK	V	28.18	3.11	0.00	99.18	N/A	N/A
2441	56.28	AV	V	28.18	3.11	0.00	87.57	N/A	N/A
4882	47.05	PK	V	33.06	4.40	35.54	48.97	74.00	25.03
4882	32.14	AV	V	33.06	4.40	35.54	34.06	54.00	19.94
7323	45.33	PK	V	36.04	5.53	35.98	50.92	74.00	23.08
7323	32.28	AV	V	36.04	5.53	35.98	37.87	54.00	16.13
5485	47.16	PK	V	34.08	4.49	35.84	49.89	74.00	24.11
5485	32.49	AV	V	34.08	4.49	35.84	35.22	54.00	18.78
6295	46.57	PK	V	34.24	5.02	35.79	50.04	74.00	23.96
6295	32.42	AV	V	34.24	5.02	35.79	35.89	54.00	18.11
				High Chan		MHz			
2480	63.31	PK	Н	28.26	3.10	0.00	94.67	N/A	N/A
2480	52.56	AV	Н	28.26	3.10	0.00	83.92	N/A	N/A
2480	68.14	PK	V	28.26	3.10	0.00	99.50	N/A	N/A
2480	56.97	AV	V	28.26	3.10	0.00	88.33	N/A	N/A
2483.5	25.46	PK	V	28.27	3.10	0.00	56.83	74.00	17.17
2483.5	13.79	AV	V	28.27	3.10	0.00	45.16	54.00	8.84
4960	47.52	PK	V	33.22	4.42	35.60	49.56	74.00	24.44
4960	33.03	AV	V	33.22	4.42	35.60	35.07	54.00	18.93
7440	45.61	PK	V	36.34	5.60	35.99	51.56	74.00	22.44
7440	32.86	AV	V	36.34	5.60	35.99	38.81	54.00	15.19
5435	47.16	PK	V	34.00	4.52	35.82	49.86	74.00	24.14
5435	32.37	AV	V	34.00	4.52	35.82	35.07	54.00	18.93

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

	Reco	eiver	Rx A	ntenna	Cable	Amplifier	Corrected	T	3.5
Frequency (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	64.12	PK	Н	28.10	3.11	0.00	95.33	N/A	N/A
2402	51.54	AV	Н	28.10	3.11	0.00	82.75	N/A	N/A
2402	65.47	PK	V	28.10	3.11	0.00	96.68	N/A	N/A
2402	52.81	AV	V	28.10	3.11	0.00	84.02	N/A	N/A
2390	25.43	PK	V	28.08	3.10	0.00	56.61	74.00	17.39
2390	13.51	AV	V	28.08	3.10	0.00	44.69	54.00	9.31
4804	47.51	PK	V	32.91	4.30	35.48	49.24	74.00	24.76
4804	32.63	AV	V	32.91	4.30	35.48	34.36	54.00	19.64
7206	46.32	PK	V	35.74	5.45	35.97	51.54	74.00	22.46
7206	32.08	AV	V	35.74	5.45	35.97	37.30	54.00	16.70
6588	46.75	PK	V	34.38	5.28	35.78	50.63	74.00	23.37
6588	32.34	AV	V	34.38	5.28	35.78	36.22	54.00	17.78
				Middle Cha		MHz			
2441	64.65	PK	Н	28.18	3.11	0.00	95.94	N/A	N/A
2441	52.08	AV	Н	28.18	3.11	0.00	83.37	N/A	N/A
2441	68.17	PK	V	28.18	3.11	0.00	99.46	N/A	N/A
2441	55.13	AV	V	28.18	3.11	0.00	86.42	N/A	N/A
4882	47.27	PK	V	33.06	4.40	35.54	49.19	74.00	24.81
4882	32.22	AV	V	33.06	4.40	35.54	34.14	54.00	19.86
7323	45.51	PK	V	36.04	5.53	35.98	51.10	74.00	22.90
7323	32.28	AV	V	36.04	5.53	35.98	37.87	54.00	16.13
5365	46.75	PK	V	33.88	4.52	35.79	49.36	74.00	24.64
5365	32.61	AV	V	33.88	4.52	35.79	35.22	54.00	18.78
6475	46.87	PK	V	34.21	5.24	35.75	50.57	74.00	23.43
6475	32.38	AV	V	34.21	5.24	35.75	36.08	54.00	17.92
				High Chan		MHz			
2480	63.61	PK	Н	28.26	3.10	0.00	94.97	N/A	N/A
2480	51.42	AV	Н	28.26	3.10	0.00	82.78	N/A	N/A
2480	68.93	PK	V	28.26	3.10	0.00	100.29	N/A	N/A
2480	56.33	AV	V	28.26	3.10	0.00	87.69	N/A	N/A
2483.5	26.35	PK	V	28.27	3.10	0.00	57.72	74.00	16.28
2483.5	13.58	AV	V	28.27	3.10	0.00	44.95	54.00	9.05
4960	47.34	PK	V	33.22	4.42	35.60	49.38	74.00	24.62
4960	32.29	AV	V	33.22	4.42	35.60	34.33	54.00	19.67
7440	33.35	PK	V	36.34	5.60	35.99	39.30	74.00	34.70
7440	32.25	AV	V	36.34	5.60	35.99	38.20	54.00	15.80
6485	46.38	PK	V	34.20	5.25	35.74	50.09	74.00	23.91
6485	32.49	AV	V	34.20	5.25	35.74	36.20	54.00	17.80

EDR Mode (8DPSK):

	Rec	eiver	Rx A	ntenna	Cable	Amplifier	Corrected		
Frequency (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	64.21	PK	Н	28.10	3.11	0.00	95.42	N/A	N/A
2402	51.28	AV	Н	28.10	3.11	0.00	82.49	N/A	N/A
2402	65.68	PK	V	28.10	3.11	0.00	96.89	N/A	N/A
2402	50.91	AV	V	28.10	3.11	0.00	82.12	N/A	N/A
2390	25.09	PK	V	28.08	3.10	0.00	56.27	74.00	17.73
2390	13.51	AV	V	28.08	3.10	0.00	44.69	54.00	9.31
4804	47.01	PK	V	32.91	4.30	35.48	48.74	74.00	25.26
4804	32.06	AV	V	32.91	4.30	35.48	33.79	54.00	20.21
7206	46.23	PK	V	35.74	5.45	35.97	51.45	74.00	22.55
7206	33.68	AV	V	35.74	5.45	35.97	38.90	54.00	15.10
6125	46.39	PK	V	34.28	4.82	35.82	49.67	74.00	24.33
6125	32.16	AV	V	34.28	4.82	35.82	35.44	54.00	18.56
			N	Middle Cha	nnel: 244	1 MHz			
2441	64.59	PK	Н	28.18	3.11	0.00	95.88	N/A	N/A
2441	53.16	AV	Н	28.18	3.11	0.00	84.45	N/A	N/A
2441	68.83	PK	V	28.18	3.11	0.00	100.12	N/A	N/A
2441	56.09	AV	V	28.18	3.11	0.00	87.38	N/A	N/A
4882	47.28	PK	V	33.06	4.40	35.54	49.20	74.00	24.80
4882	33.07	AV	V	33.06	4.40	35.54	34.99	54.00	19.01
7323	46.33	PK	V	36.04	5.53	35.98	51.92	74.00	22.08
7323	32.19	AV	V	36.04	5.53	35.98	37.78	54.00	16.22
5445	46.35	PK	V	34.01	4.51	35.83	49.04	74.00	24.96
5445	32.18	AV	V	34.01	4.51	35.83	34.87	54.00	19.13
6435	46.72	PK	V	34.21	5.19	35.75	50.37	74.00	23.63
6435	32.05	AV	V	34.21	5.19	35.75	35.70	54.00	18.30
				High Chan					
2480	64.53	PK	Н	28.26	3.10	0.00	95.89	N/A	N/A
2480	54.36	AV	Н	28.26	3.10	0.00	85.72	N/A	N/A
2480	68.64	PK	V	28.26	3.10	0.00	100.00	N/A	N/A
2480	55.89	AV	V	28.26	3.10	0.00	87.25	N/A	N/A
2483.5	25.85	PK	V	28.27	3.10	0.00	57.22	74.00	16.78
2483.5	13.56	AV	V	28.27	3.10	0.00	44.93	54.00	9.07
4960	46.69	PK	V	33.22	4.42	35.60	48.73	74.00	25.27
4960	32.54	AV	V	33.22	4.42	35.60	34.58	54.00	19.42
7440	45.29	PK	V	36.34	5.60	35.99	51.24	74.00	22.76
7440	32.48	AV	V	36.34	5.60	35.99	38.43	54.00	15.57
5988	46.82	PK	V	34.30	4.66	35.85	49.93	74.00	24.07
5988	32.39	AV	V	34.30	4.66	35.85	35.50	54.00	18.50

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
R&S	Spectrum Analyzer	FSU 26	200256	2016-12-08	2017-12-08
Unknown	RF Antenuator	3dB	3dB-1	Each Time	/
Unknown	RF Cable	Unknown	C-4	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 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:	26.2 °C
Relative Humidity:	56 %
ATM Pressure:	99.6 kPa

^{*} The testing was performed by Mark Pan on 2017-08-03.

Test Result: Compliance.

Please refer to following tables and plots

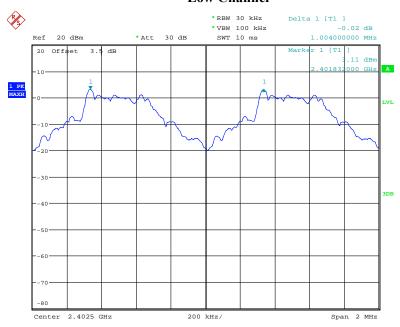
Test Mode: Transmitting

Mode	Channel	Frequency (MHz)	Channel Separation (MHz)	Limit (MHz)
nnn	Low	2402	1.004	0.61
BDR (GFSK)	Middle	2441	1.004	0.61
(OFSK)	High	2480	1.000	0.61
EDD	Low	2402	1.000	0.87
EDR (π/4-DQPSK)	Middle	2441	1.004	0.87
(#4-DQI 5K)	High	2480	1.000	0.87
EDR (8DPSK)	Low	2402	1.004	0.85
	Middle	2441	1.000	0.85
(ODI SK)	High	2480	1.004	0.85

Note: Limit= $(2/3) \times 20dB$ *bandwidth*

BDR Mode (GFSK):

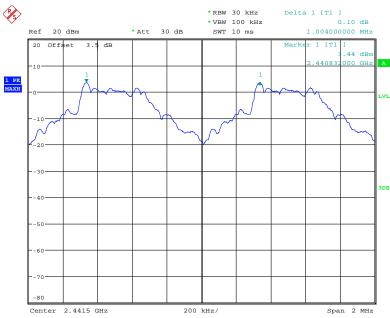
Low Channel



Date: 3.AUG.2017 14:25:33

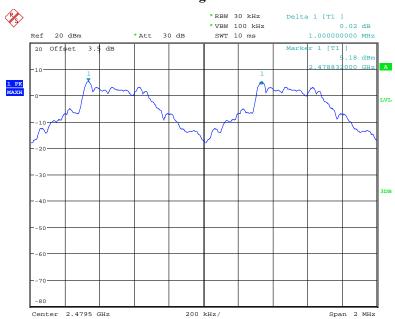
Report No.: RDG170710013-00B





Date: 3.AUG.2017 14:27:01

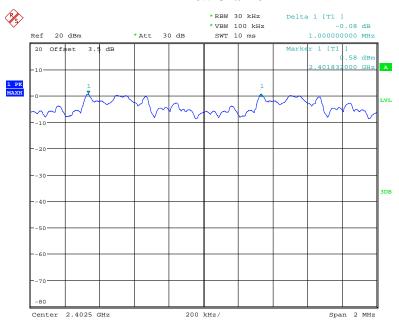
High Channel



Date: 3.AUG.2017 14:28:22

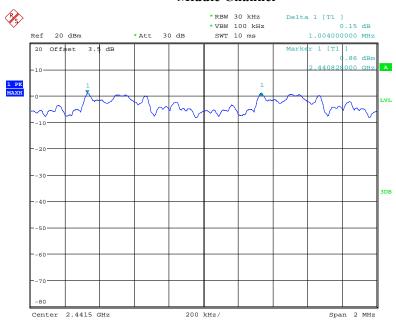
EDR Mode ($\pi/4$ -DQPSK):





Date: 3.AUG.2017 14:49:16

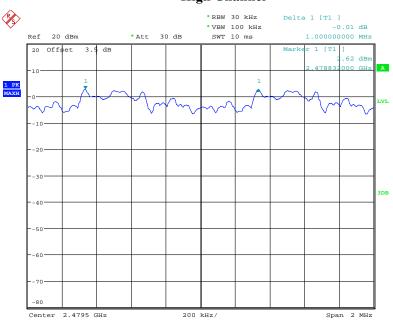
Middle Channel



Date: 3.AUG.2017 14:50:45

High Channel

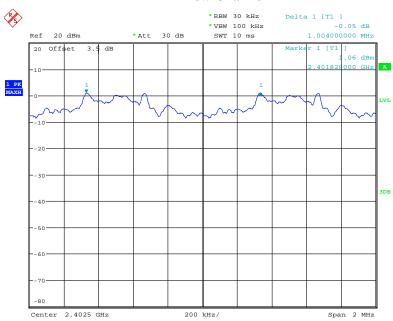
Report No.: RDG170710013-00B



Date: 3.AUG.2017 14:52:12

EDR Mode (8DPSK):

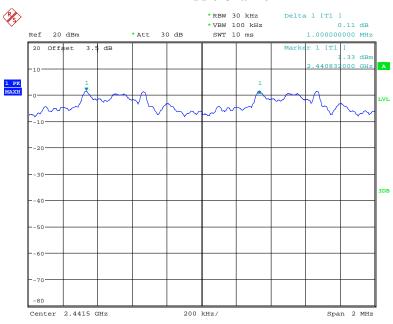
Low Channel



Date: 3.AUG.2017 15:09:05

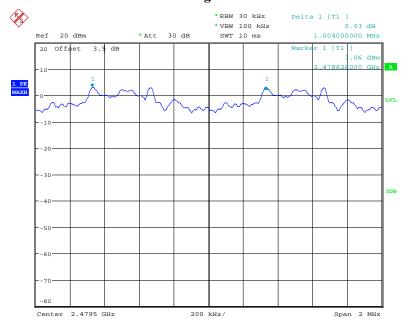
Report No.: RDG170710013-00B

Middle Channel



Date: 3.AUG.2017 15:10:22

High Channel



Date: 3.AUG.2017 15:11:37

FCC $\S15.247(a)$ (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
R&S	Spectrum Analyzer	FSU 26	200256	2016-12-08	2017-12-08
Unknown	RF Antenuator	3dB	3dB-1	Each Time	/
Unknown	RF Cable	Unknown	C-4	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:	26.2 °C
Relative Humidity:	56 %
ATM Pressure:	99.6 kPa

^{*} The testing was performed by Mark Pan on 2017-08-03.

Test Result: Compliance.

Please refer to following tables and plots

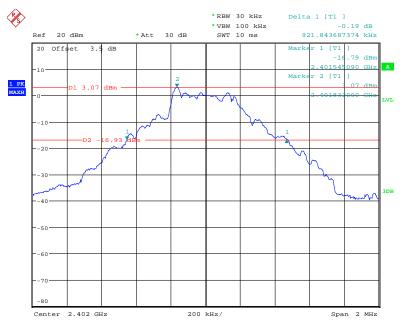
Report No.: RDG170710013-00B

Test Mode: Transmitting

Mode	Channel	Frequency (MHz)	20 dB Bandwidth (MHz)
BDR Mode (GFSK)	Low	2402	0.92
	Middle	2441	0.92
	High	2480	0.92
EDR Mode (π/4-DQPSK)	Low	2402	1.30
	Middle	2441	1.30
	High	2480	1.30
EDR Mode (8-DPSK)	Low	2402	1.27
	Middle	2441	1.27
	High	2480	1.27

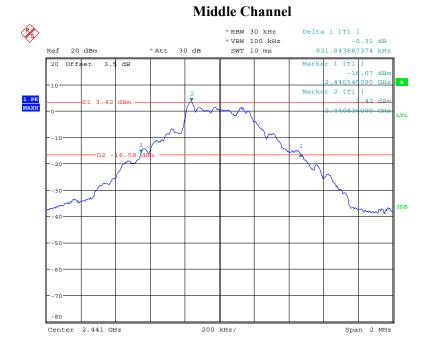
BDR Mode (GFSK):

Low Channel



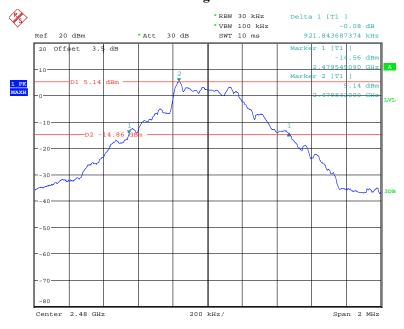
Date: 3.AUG.2017 14:19:18

Report No.: RDG170710013-00B



Date: 3.AUG.2017 14:20:51

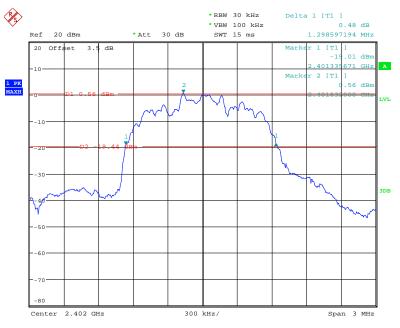
High Channel



Date: 3.AUG.2017 14:22:10

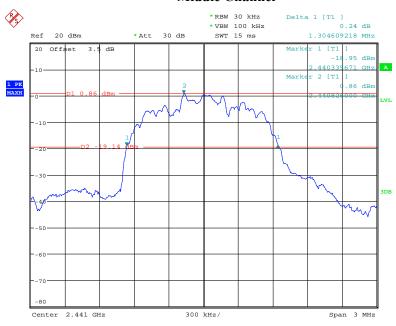
EDR Mode ($\pi/4$ -DQPSK):





Date: 3.AUG.2017 14:43:06

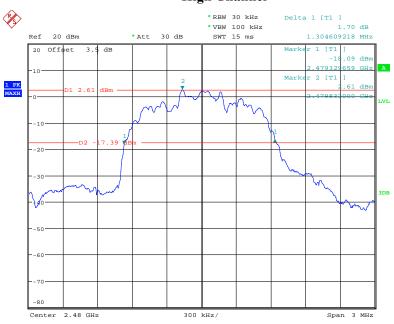
Middle Channel



Date: 3.AUG.2017 14:44:38

High Channel

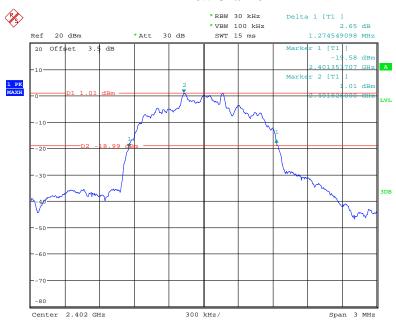
Report No.: RDG170710013-00B



Date: 3.AUG.2017 14:45:50

EDR Mode (8DPSK):

Low Channel



Date: 3.AUG.2017 15:03:18

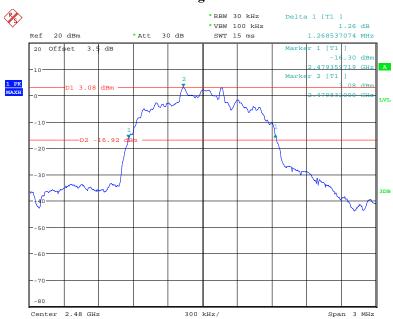
Middle Channel

Report No.: RDG170710013-00B



Date: 3.AUG.2017 15:05:39

High Channel



Date: 3.AUG.2017 15:06:51

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
R&S	Spectrum Analyzer	FSU 26	200256	2016-12-08	2017-12-08
Unknown	RF Antenuator	3dB	3dB-1	Each Time	/
Unknown	RF Cable	Unknown	C-4	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:	26.2 °C
Relative Humidity:	56 %
ATM Pressure:	99.6 kPa

^{*} The testing was performed by Mark Pan on 2017-08-03.

Test Result: Compliance.

Please refer to following tables and plots

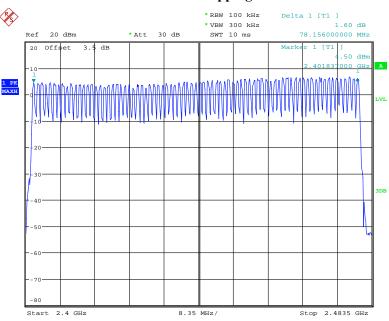
Report No.: RDG170710013-00B

Test Mode: Transmitting

BDR Mode (GFSK):

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

Number of Hopping Channels

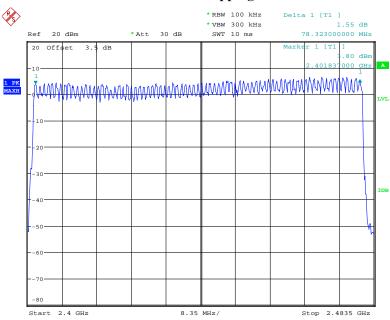


Date: 3.AUG.2017 14:31:18

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

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

Number of Hopping Channels

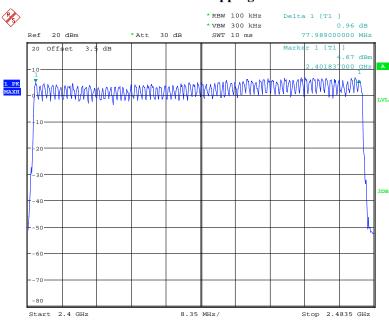


Date: 3.AUG.2017 14:56:32

EDR Mode (8-DPSK):

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

Number of Hopping Channels



Date: 3.AUG.2017 15:16:48

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; the time of single pulses was tested.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU 26	200256	2016-12-08	2017-12-08
Unknown	RF Antenuator	3dB	3dB-1	Each Time	/
Unknown	RF Cable	Unknown	C-4	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:	26.2 °C
Relative Humidity:	56 %
ATM Pressure:	99.6 kPa

^{*} The testing was performed by Mark Pan on 2017-08-03.

Test Result: Compliance.

Please refer to following tables and plots

Report No.: RDG170710013-00B

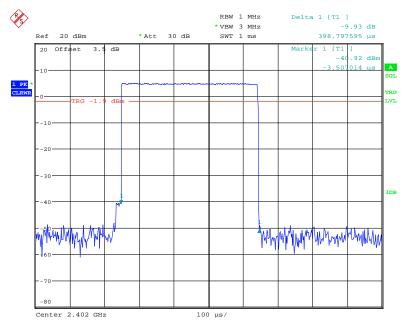
Report No.: RDG170710013-00B

Test Mode: Transmitting

BDR Mode (GFSK):

Mode	Channel	Pulse Width (ms)	Dwell Time (s)	Limit (s)	Result	
	Low	0.399	0.128	0.4	Compliance	
DH1	Middle	0.399	0.128	0.4	Compliance	
DIII	High	0.415	0.133	0.4	Compliance	
	Note: Dwell time=Pulse time (ms) \times (1600/2/79) \times 31.6 s					
	Low	1.671	0.267	0.4	Compliance	
DH3	Middle	1.671	0.267	0.4	Compliance	
DIIS	High	1.671	0.267	0.4	Compliance	
	Note: Dwell time=Pulse time (ms) \times (1600/4/79) \times 31.6 s					
	Low	2.926	0.312	0.4	Compliance	
DH5	Middle	2.936	0.313	0.4	Compliance	
	High	2.936	0.313	0.4	Compliance	
	Note: Dwell time=Pulse time (ms) × (1600/6/79) ×31.6 s					

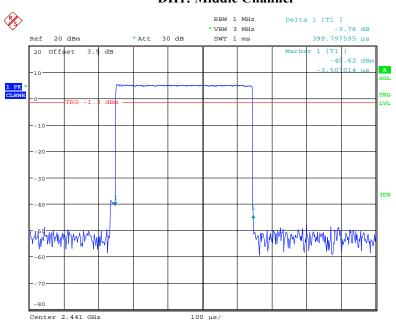
DH1: Low Channel



Date: 3.AUG.2017 14:31:58

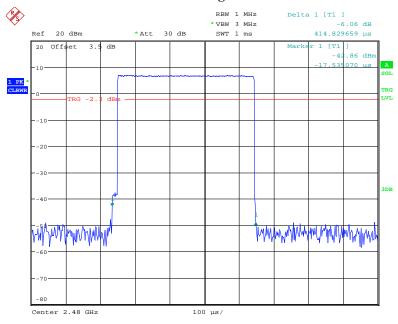
DH1: Middle Channel

Report No.: RDG170710013-00B



Date: 3.AUG.2017 14:32:08

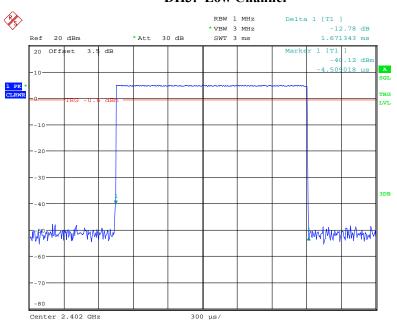
DH1: High Channel



Date: 3.AUG.2017 14:32:18

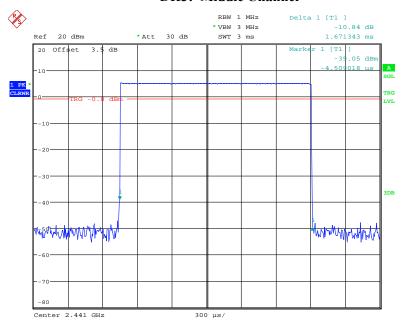
DH3: Low Channel

Report No.: RDG170710013-00B



Date: 3.AUG.2017 14:33:36

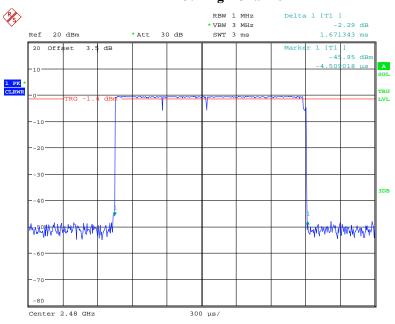
DH3: Middle Channel



Date: 3.AUG.2017 14:33:45

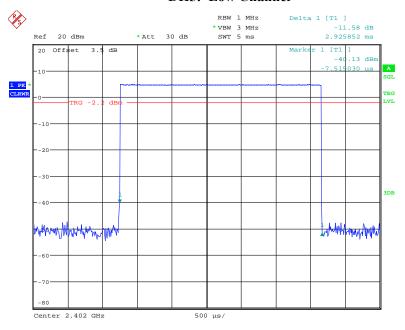
DH3: High Channel

Report No.: RDG170710013-00B



Date: 3.AUG.2017 14:33:54

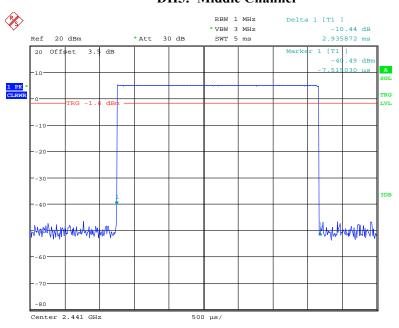
DH5: Low Channel



Date: 3.AUG.2017 14:36:00

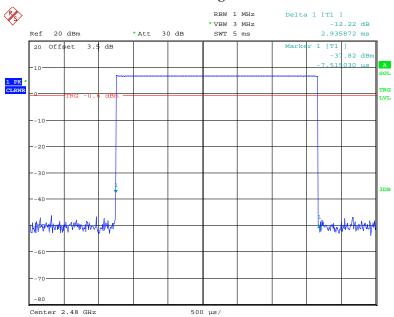
DH5: Middle Channel

Report No.: RDG170710013-00B



Date: 3.AUG.2017 14:36:10

DH5: High Channel

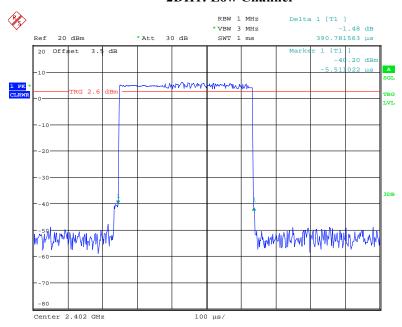


Date: 3.AUG.2017 14:36:19

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

Mode	Channel	Pulse Width (ms)	Dwell Time (s)	Limit (s)	Result				
	Low	0.391	0.125	0.4	Compliance				
2DH1	Middle	0.393	0.126	0.4	Compliance				
2011	High	0.393	0.126	0.4	Compliance				
	Note: Dwell time=Pulse time (ms) × (1600/2/79) ×31.6 s								
	Low	1.665	0.266	0.4	Compliance				
2DH3	Middle	1.659	0.265	0.4	Compliance				
2D113	High	1.665	0.266	0.4	Compliance				
	Note: Dwell tir	ne=Pulse time	(ms) × (1600)/4/79) ×31	.6 s				
	Low	2.926	0.312	0.4	Compliance				
2DH5	Middle	2.916	0.311	0.4	Compliance				
	High	2.916	0.311	0.4	Compliance				
	Note: Dwell tir	ne=Pulse time	(ms) × (1600	0/6/79) ×31	Note: Dwell time=Pulse time (ms) \times (1600/6/79) \times 31.6 s				

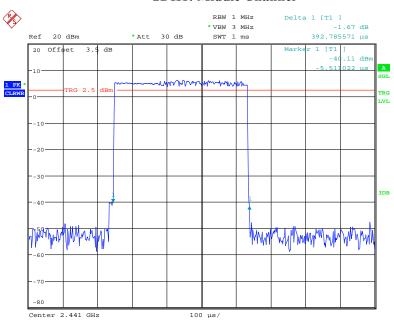
2DH1: Low Channel



Date: 3.AUG.2017 14:57:02

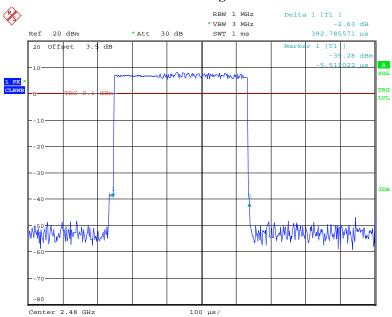
2DH1: Middle Channel

Report No.: RDG170710013-00B



Date: 3.AUG.2017 14:57:10

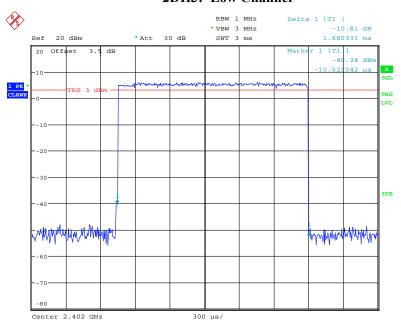
2DH1: High Channel



Date: 3.AUG.2017 14:57:28

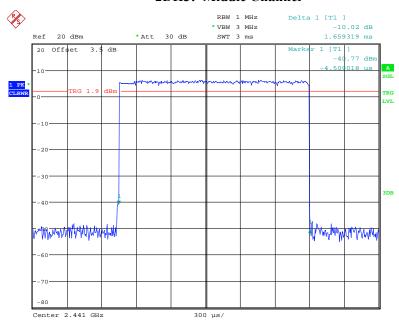
2DH3: Low Channel

Report No.: RDG170710013-00B



Date: 3.AUG.2017 14:58:48

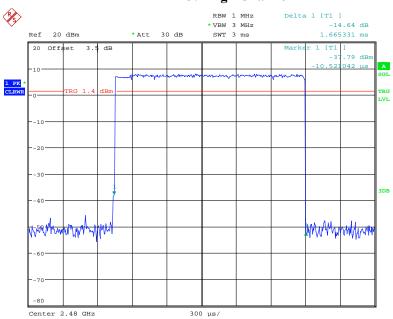
2DH3: Middle Channel



Date: 3.AUG.2017 14:58:56

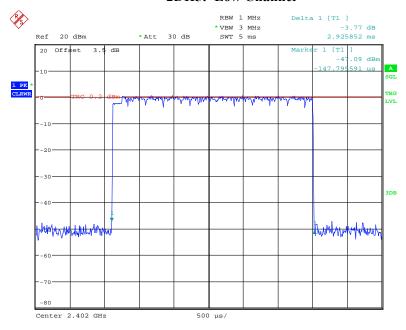
2DH3: High Channel

Report No.: RDG170710013-00B



Date: 3.AUG.2017 14:59:05

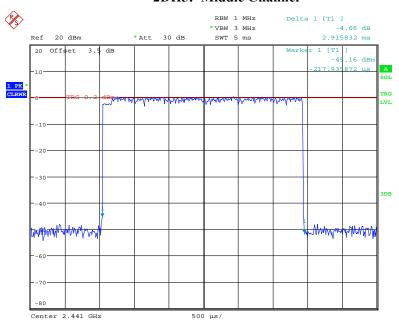
2DH5: Low Channel



Date: 3.AUG.2017 15:01:05

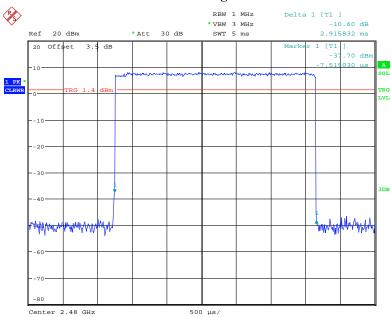
2DH5: Middle Channel

Report No.: RDG170710013-00B



Date: 3.AUG.2017 15:01:13

2DH5: High Channel

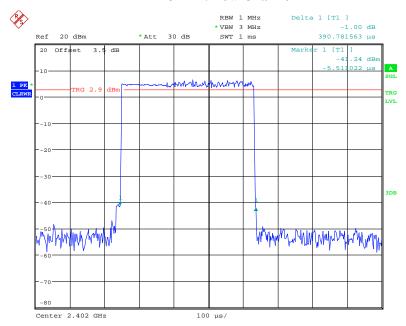


Date: 3.AUG.2017 15:01:22

EDR Mode (8DPSK):

Mode	Channel	Pulse Width (ms)	Dwell Time (s)	Limit (s)	Result	
	Low	0.391	0.125	0.4	Compliance	
3DH1	Middle	0.401	0.128	0.4	Compliance	
SDIII	High	0.393	0.126	0.4	Compliance	
	Note: Dwell time=Pulse time (ms) × (1600/2/79) ×31.6 s					
	Low	1.653	0.264	0.4	Compliance	
3DH3	Middle	1.653	0.264	0.4	Compliance	
SDIIS	High	1.653	0.264	0.4	Compliance	
	Note: Dwell time=Pulse time (ms) × (1600/4/79) ×31.6 s					
	Low	2.916	0.311	0.4	Compliance	
3DH5	Middle	2.916	0.311	0.4	Compliance	
зинз	High	2.916	0.311	0.4	Compliance	
	Note: Dwell time=Pulse time (ms) \times (1600/6/79) \times 31.6 s					

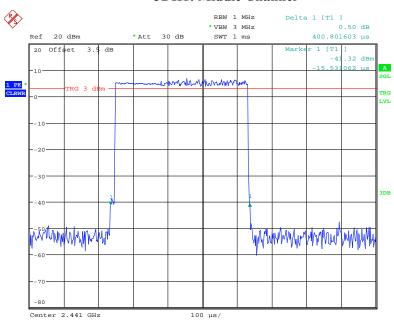
3DH1: Low Channel



Date: 3.AUG.2017 15:17:26

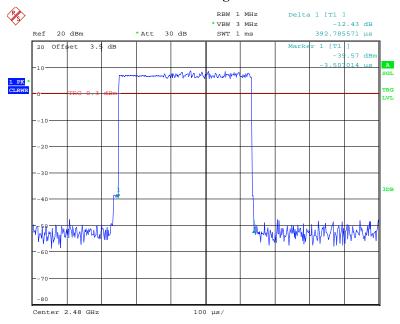
3DH1: Middle Channel

Report No.: RDG170710013-00B



Date: 3.AUG.2017 15:17:36

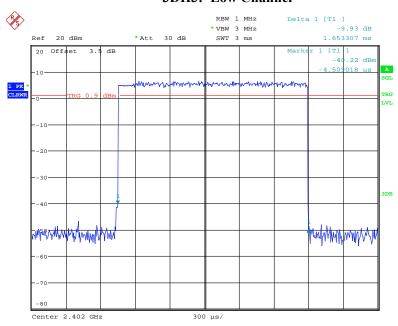
3DH1: High Channel



Date: 3.AUG.2017 15:17:45

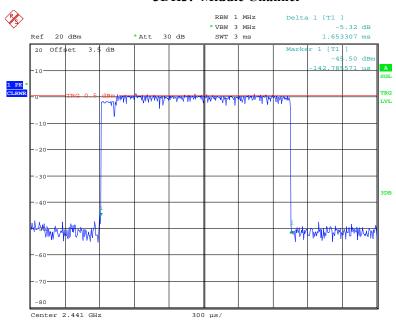
3DH3: Low Channel

Report No.: RDG170710013-00B



Date: 3.AUG.2017 15:18:19

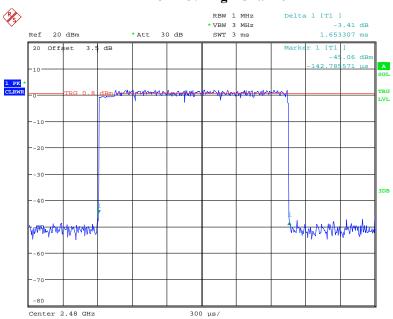
3DH3: Middle Channel



Date: 3.AUG.2017 15:18:28

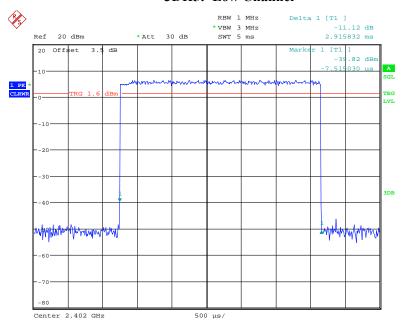
3DH3: High Channel

Report No.: RDG170710013-00B



Date: 3.AUG.2017 15:18:39

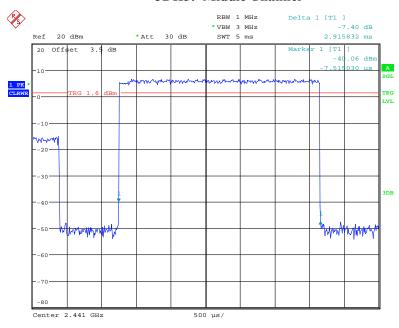
3DH5: Low Channel



Date: 3.AUG.2017 15:19:15

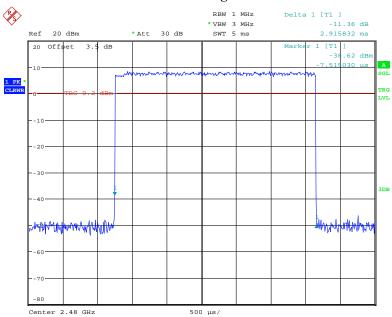
3DH5: Middle Channel

Report No.: RDG170710013-00B



Date: 3.AUG.2017 15:19:23

3DH5: High Channel



Date: 3.AUG.2017 15:19:32

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
R&S	Spectrum Analyzer	FSU 26	200256	2016-12-08	2017-12-08
Unknown	RF Antenuator	3dB	3dB-1	Each Time	/
Unknown	RF Cable	Unknown	C-4	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:	26.2 °C
Relative Humidity:	56 %
ATM Pressure:	99.6 kPa

^{*} The testing was performed by Mark Pan on 2017-08-03.

Test Result: Compliance.

Report No.: RDG170710013-00B

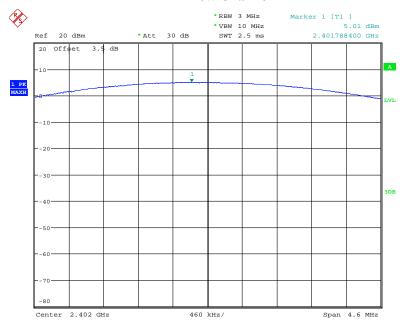
Test Mode: Transmitting

Mode	Frequency (MHz)	Peak Conducted Output power (dBm)	Limit (dBm)
	2402	5.01	30
BDR Mode (GFSK)	2441	5.35	30
(OI SIK)	2480	7.08	30
	2402	6.57	30
EDR Mode (π/4-DQPSK)	2441	6.89	30
(M4-DQF3K)	2480	8.6	30
	2402	7.14	30
EDR Mode (8DPSK)	2441	7.45	30
(odrsk)	2480	9.16	30

Note: The data above was tested in conducted mode.

BDR Mode (GFSK):

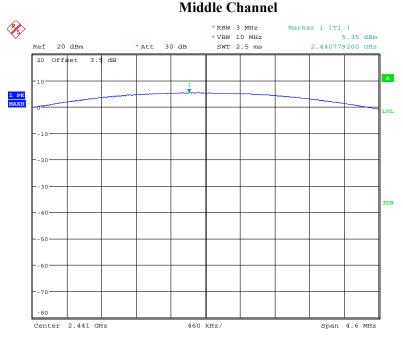
Low Channel



Date: 3.AUG.2017 14:19:44

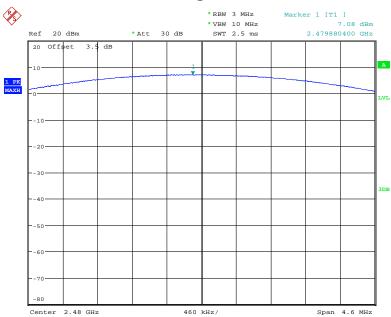
Report No.: RDG170710013-00B

Report No.: RDG170710013-00B



Date: 3.AUG.2017 14:21:19

High Channel

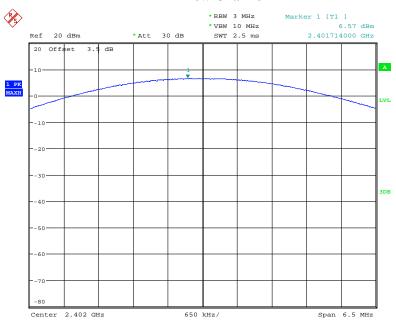


Date: 3.AUG.2017 14:22:36

Report No.: RDG170710013-00B

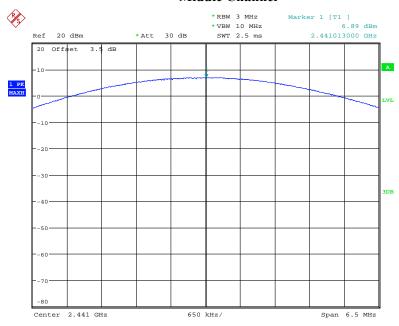
EDR Mode ($\pi/4$ -DQPSK):





Date: 3.AUG.2017 14:43:32

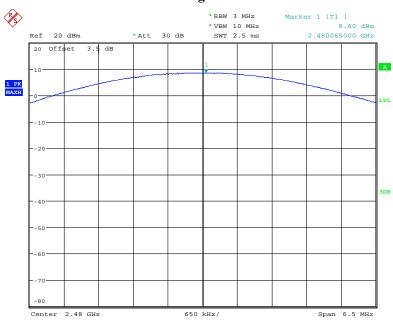
Middle Channel



Date: 3.AUG.2017 14:45:04

High Channel

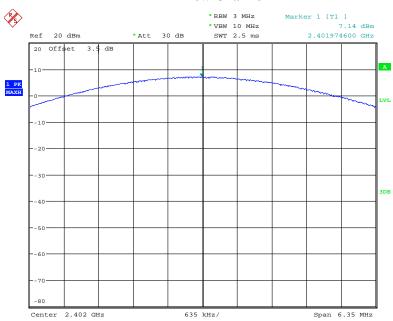
Report No.: RDG170710013-00B



Date: 3.AUG.2017 14:46:15

EDR Mode (8DPSK):

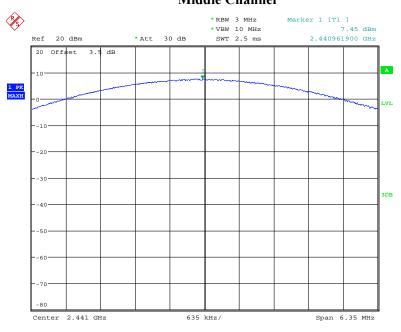
Low Channel



Date: 3.AUG.2017 15:03:43

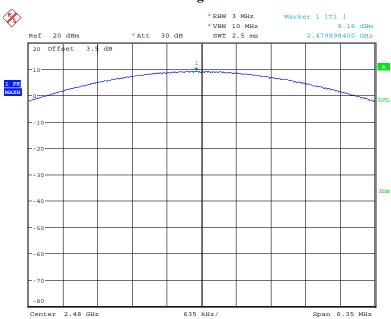
Middle Channel

Report No.: RDG170710013-00B



Date: 3.AUG.2017 15:06:04

High Channel



Date: 3.AUG.2017 15:07:18

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 of spectrum analyzer to 100/300 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	2016-12-08	2017-12-08
Unknown	RF Antenuator	3dB	3dB-1	Each Time	/
Unknown	RF Cable	Unknown	C-4	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).

Report No.: RDG170710013-00B

Test Data

Environmental Conditions

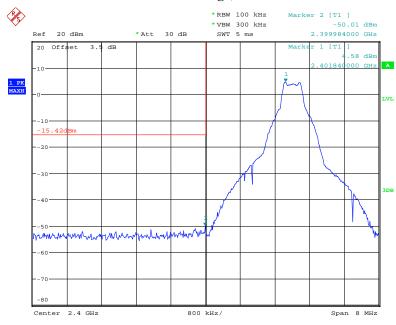
Temperature:	26.2 °C
Relative Humidity:	56 %
ATM Pressure:	99.6 kPa

^{*} The testing was performed by Mark Pan on 2017-08-03.

Test Result: Compliance

BDR Mode (GFSK):

Band Edge, Left Side

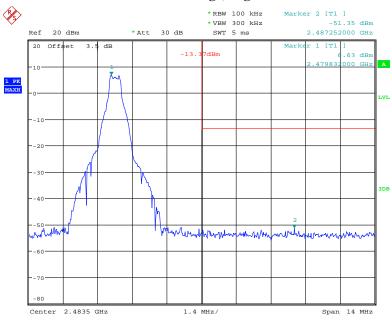


Date: 3.AUG.2017 14:20:02

Report No.: RDG170710013-00B

Band Edge, Right Side

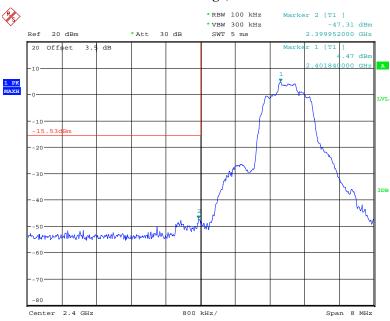
Report No.: RDG170710013-00B



Date: 3.AUG.2017 14:22:55

EDR Mode (\pi/4-DQPSK):

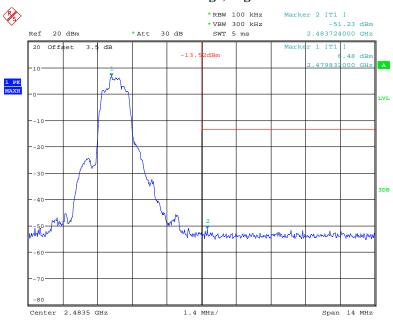
Band Edge, Left Side



Date: 3.AUG.2017 14:43:49

Band Edge, Right Side

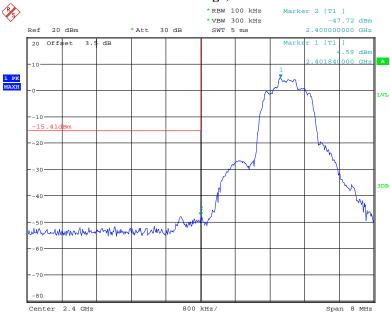
Report No.: RDG170710013-00B



Date: 3.AUG.2017 14:46:38

EDR Mode (8DPSK):

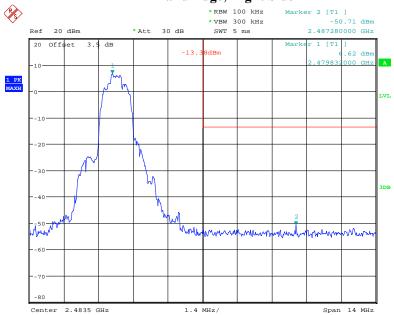
Band Edge, Left Side



Date: 3.AUG.2017 15:04:01

Report No.: RDG170710013-00B





Date: 3.AUG.2017 15:07:35

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