

TEST REPORT

Applicant:	GUANGDONG SYMA MODEL AIRCRAFT INDUSTRIAL CO., LTD
Address:	NO.2 West Xingye Road Laimei Industrial Area Chenghai Shantou Guangdong China

Manufacturer or Supplier	GUANGDONG SYMA MODEL AIRCRAFT INDUSTRIAL CO., LTD
Address	NO.2 West Xingye Road Laimei Industrial Area Chenghai Shantou Guangdong China
Product:	DRONE
Brand Name:	Syma
Model:	TG1001
Additional Model & Model Difference	TG1002, TG1003, TG1004 etc. See item 3.1
Date of tests:	Aug 15 to Aug 26, 2019

the tests have been carried out according to the requirements of the following standard:

FCC Part 15, Subpart C, Section 15.249

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Evans He Project Engineer / EMC Department	Approved by David Huang Supervisor / EMC Department
<i>Evans He</i>	<i>David Huang</i>
Date: Sep 06, 2019	

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TABLE OF CONTENTS

RELEASE CONTROL RECORD	3
1 SUMMARY OF TEST RESULTS	4
2 MEASUREMENT UNCERTAINTY	4
3 GENERAL INFORMATION	5
3.1 GENERAL DESCRIPTION OF EUT	5
3.2 DESCRIPTION OF TEST MODES	6
3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS	8
3.4 DESCRIPTION OF SUPPORT UNITS	8
4. TEST TYPES AND RESULTS	9
4.1 RADIATED EMISSION MEASUREMENT	9
4.1.1 <i>LIMITS OF RADIATED EMISSION MEASUREMENT</i>	9
4.1.2 <i>TEST INSTRUMENTS</i>	10
4.1.3 <i>TEST PROCEDURES</i>	11
4.1.4 <i>DEVIATION FROM TEST STANDARD</i>	11
4.1.5 <i>TEST SETUP</i>	12
4.1.6 <i>EUT OPERATING CONDITIONS</i>	13
4.1.7 <i>TEST RESULTS</i>	14
4.2 20dB BANDWIDTH MEASUREMENT	21
4.2.1 <i>LIMITS OF 20dB BANDWIDTH MEASUREMENT</i>	21
4.2.2 <i>TEST INSTRUMENTS</i>	21
4.2.3 <i>TEST PROCEDURE</i>	22
4.2.4 <i>DEVIATION FROM TEST STANDARD</i>	22
4.2.5 <i>TEST SETUP</i>	22
4.2.6 <i>EUT OPERATING CONDITIONS</i>	22
4.2.7 <i>TEST RESULTS</i>	23
5. PHOTOGRAPHS OF THE TEST CONFIGURATION	25
6. APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB	26



Test Report No.: RF190814N028

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF190814N028	Original release	Aug 27, 2019

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART C (SECTION 15.249)			
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	REMARK
§15.203	Antenna Requirement	PASS	No antenna connector is used
§15.207 (a)	Conducted Emission	N/A	Powered from battery
§15.205	Restricted Band of Operation	PASS	Compliant
§15.209 §15.249(a)	Radiated Emission	PASS	Compliant
§15.215(c)	20dB Bandwidth Test	PASS	Compliant

NOTE: Test Lab Information:

Lab: Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch

Test Lab Address: Zone A, Floor 1, Building 2 Wan Ye Long Technology Park
South Side of Zhoushi Road, Bao'an District Shenzhen, Guangdong,
518108, People's Republic of China

2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	FREQUENCY	UNCERTAINTY
Radiated emissions	9kHz~30MHz	2.16dB
	30MHz ~ 1GMHz	3.74dB
	1GHz ~ 18GHz	4.66dB
	18GHz ~ 40GHz	4.67dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.



3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	DRONE
MODEL NO.	TG1001
ADDITIONAL MODELS	TG1002 ,TG1003 , TG1004, X15T ,TF1002, TF1003, Q1,Q2, Q5
FCC ID	QV7-GC88752-34
NOMINAL VOLTAGE	Remote Control(TX): DC 3V(1.5V*AA*2) from Battery
MODULATION TECHNOLOGY	GFSK
OPERATING FREQUENCY	2408-2478MHz
ANTENNA TYPE	Single wire,1dBi Gain for Remote Control
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	USB Line : Unshielded, Detachable 52.5cm

NOTE:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. For the test results, the EUT had been tested with all conditions, but only the worst case was shown in test report.
3. Please refer to the EUT photo document (Reference No.: 190814N028) for detailed product photo.
4. Additional models (see about table) are identical with the test model TG1001 except the color of the appearance and model name for trading purpose.



3.2 DESCRIPTION OF TEST MODES

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and packet type. The worst case was found when the EUT was positioned on Y axis for radiated emission. The EUT was tested under the following mode.

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE<1G	RE≥1G	PLC	BW	
A	√	√	-	√	DC 3V from Battery

Where **RE<1G**: Radiated Emission below 1GHz **RE≥1G**: Radiated Emission above 1GHz
PLC: Power Line Conducted Emission **BW**: 20db bandwidth

NOTE: No need to concern of Conducted Emission due to the EUT is powered by battery.

Following channel(s) was (were) selected for the test as listed below.

TESTED CHANNEL	TESTED FREQUENCY
Low	2408 MHz
Middle	2442 MHz
High	2478 MHz



Channel List

CHANNEL	FREQUENCY (GHZ)	CHANNEL	FREQUENCY (GHZ)	CHANNEL	FREQUENCY (GHZ)
1	2.408GHz	25	2.432GHz	49	2.456GHz
2	2.409GHz	26	2.433GHz	50	2.457GHz
3	2.410GHz	27	2.434GHz	51	2.458GHz
4	2.411GHz	28	2.435GHz	52	2.459GHz
5	2.412GHz	29	2.436GHz	53	2.460GHz
6	2.413GHz	30	2.437GHz	54	2.461GHz
7	2.414GHz	31	2.438GHz	55	2.462GHz
8	2.415GHz	32	2.439GHz	56	2.463GHz
9	2.416GHz	33	2.440GHz	57	2.464GHz
10	2.417GHz	34	2.441GHz	58	2.465GHz
11	2.418GHz	35	2.442GHz	59	2.466GHz
12	2.419GHz	36	2.443GHz	60	2.467GHz
13	2.420GHz	37	2.444GHz	61	2.468GHz
14	2.421GHz	38	2.445GHz	62	2.469GHz
15	2.422GHz	39	2.446GHz	63	2.470GHz
16	2.423GHz	40	2.447GHz	64	2.471GHz
17	2.424GHz	41	2.448GHz	65	2.472GHz
18	2.425GHz	42	2.449GHz	66	2.473GHz
19	2.426GHz	43	2.450GHz	67	2.474GHz
20	2.427GHz	44	2.451GHz	68	2.475GHz
21	2.428GHz	45	2.452GHz	69	2.476GHz
22	2.429GHz	46	2.453GHz	70	2.477GHz
23	2.430GHz	47	2.454GHz	71	2.478GHz
24	2.431GHz	48	2.455GHz		

Note: The more detailed channel, please refer to the product specifications

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE	26deg. C, 56%RH	DC 3V from Battery	Caden
BW	26deg. C, 56%RH	DC 3V from Battery	Aaron
PLC	-	-	-



3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart C, Section 15.249

ANSI C63.10-2013

All test items have been performed and recorded as per the above standards.

3.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	-	-	-	-	-

NO.	DESCRIPTION OF THE ABOVE SUPPORT UNITS
1, 2	-

4. TEST TYPES AND RESULTS

4.1 RADIATED EMISSION MEASUREMENT

4.1.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

FREQUENCIES (MHz)	FIELD STRENGTH (microvolts/meter)	MEASUREMENT DISTANCE (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

According to §15.249(a), the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental Frequency	Field strength of fundamental (milli-volts/meter)	Field strength of harmonics (micro-volts/meter)
902-928 MHz	50	500
2400-2483.5 MHz	50	500
5725-5875 MHz	50	500
24.0-24.25 GHz	250	2500

The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply.

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.



4.1.2 TEST INSTRUMENTS

Instrument	Model	Serial #	Cal Date	Cal Due
Agilent ESA-E SERIES SPECTRUM ANALYZER	E4407B	MY45108319	Feb 11, 19	Feb. 10, 20
EMI test receiver	ESL6	1300.5001K06-100262-eQ	Jan, 05, 19	Jan. 04, 20
SYNTHESIZED SIGNAL GENERATOR	8665B	3744A01293	Jan, 05, 19	Jan. 04, 20
Bilog Antenna (30MHz~6GHz)	JB6	A110712	Feb 08, 19	Feb. 07, 20
Bilog Antenna (30MHz~2GHz)	JB1	A112017	Jan 26, 19	Jan. 25, 20
A-INFOMW Horn Antenna (1~18GHz)	AH-118	71259	Jan 26, 19	Jan. 25, 20
Pre-Amplifier (100MHz-26.5GHz)	EMC 012645	980077	May 18, 19	May 17, 20
Pre-Amplifier (100MHz-26.5GHz)	EMC 012645	980077	May 17, 19	May 16, 20
Pre-Amplifier (18GHz-40GHz)	EMC 184045	980102	Nov. 08,18	Nov. 07,19
EMCO Horn Antenna (1~18GHz)	AH-118	71283	Feb 02, 19	Feb. 01, 20
OPT 010 AMPLIFIER (0.1~1300MHz)	8447E	2727A02430	Dec. 09, 18	Dec. 08, 19
Horn Antenna	BBHA 9170	BBHA9170147	Mar. 13, 19	Mar. 12, 20
Microwave Preamplifier (0.5 ~ 18GHz)	PAM-118	443008	Dec. 09, 18	Dec. 08, 19
Large Loop Antenna	RF300	Rf300	Dec. 09, 18	Dec. 08, 19
Positioning Controller	UC3000	MF780208282	Dec. 09, 18	Dec. 08, 19
Test Software	EZ-EMC	ver.lcp-03A1	N/A	N/A

NOTE:

1. The test was performed in 966 Chamber.
2. The calibration interval of the above test instruments are 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
3. The horn antenna is used only for the measurement of emission frequency above 1GHz if tested.
4. The FCC Site Registration No. is 749762.

4.1.3 TEST PROCEDURES

- a. The EUT was placed on the top of a rotating table 1.5 meters (above 1GHz) and 0.8 meters (below 1GHz) above the ground at a 3 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. For below 30MHz, a loop antenna with its vertical plane is place 3m from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. And the centre of the loop shall be 1m above the ground.
- g. If the emission level of the EUT in peak mode was lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.
5. The testing of the EUT was performed on all 3 orthogonal axes; the worst-case test configuration was reported on the file test setup photo.

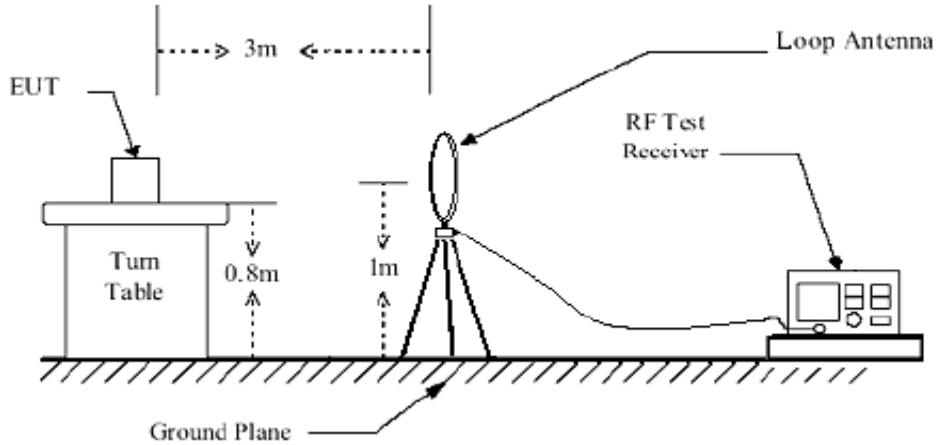
4.1.4 DEVIATION FROM TEST STANDARD

No deviation.

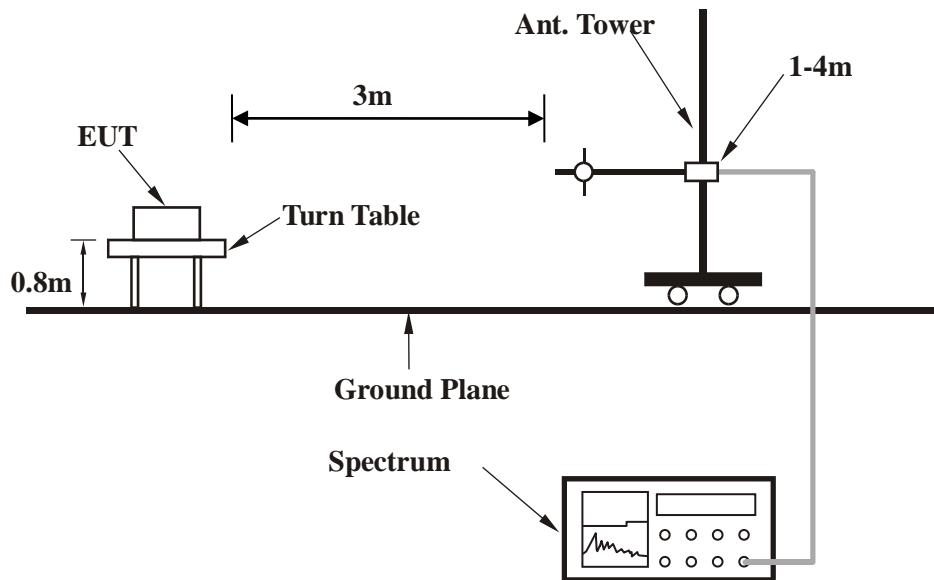


4.1.5 TEST SETUP

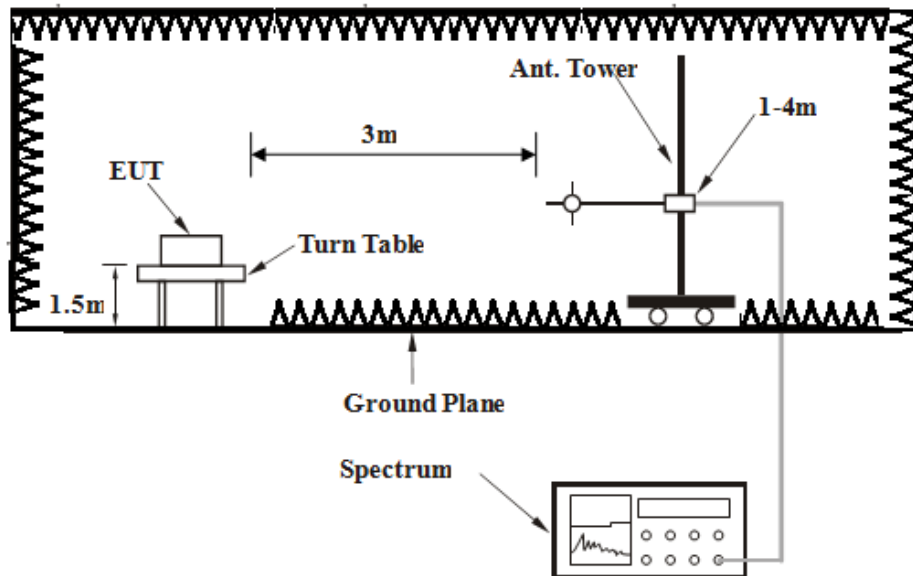
Below 30MHz test setup



Below 1GHz test setup



Above 1GHz test setup



Note: For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.6 EUT OPERATING CONDITIONS

- a) Turned on the power of all equipment.
- b) EUT was operated according to the type used was description in manufacturer's specifications or the User's Manual.



4.1.7 TEST RESULTS

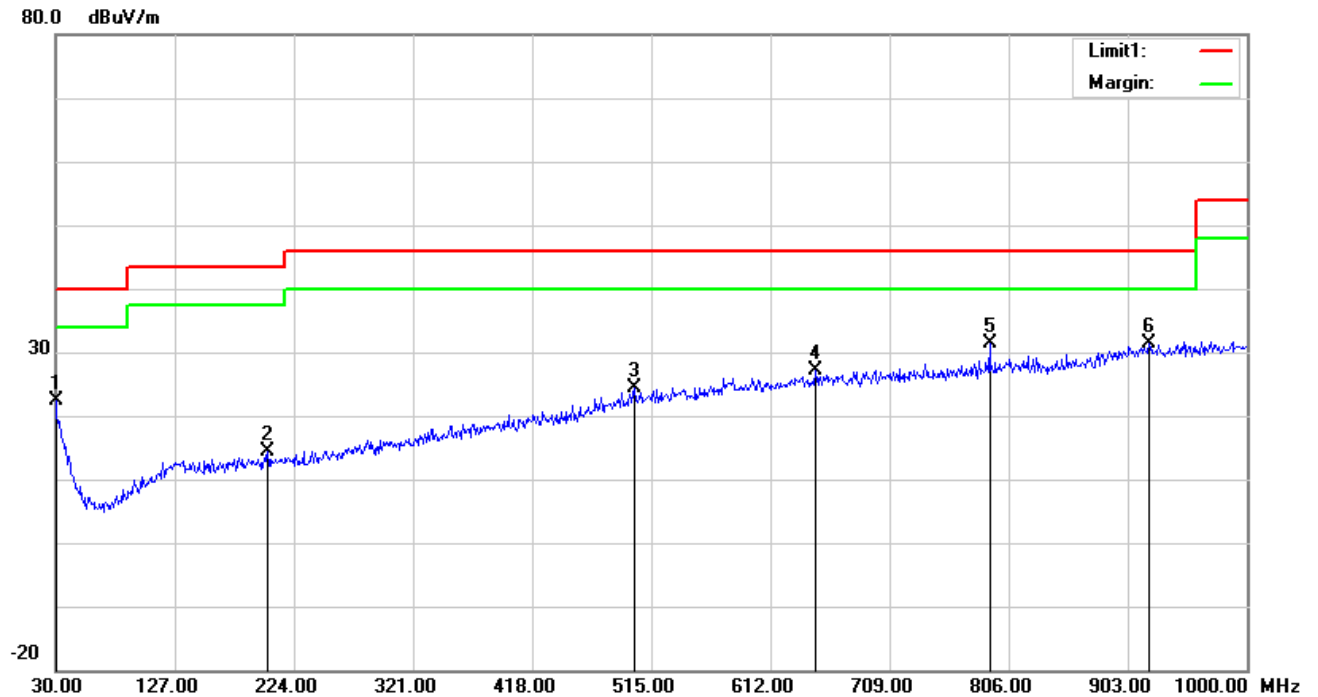
BELOW 1GHz WORST-CASE DATA

CHANNEL	TX Middle Channel	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9KHz ~ 1GHz		

ANTENNA POLARITY & test distance: HORIZONTAL at 3 m										
No.	Frequency (MHz)	Reading (dBuV/m)	Ant_F (dB/m)	PA_G (dB)	Cab_L (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)
1	30.0000	24.41	20.10	22.28	0.13	22.36	40.00	-17.64	100	100
2	202.6600	23.82	11.49	22.38	1.55	14.48	43.50	-29.02	100	301
3	501.4200	25.22	18.73	21.81	2.13	24.27	46.00	-21.73	100	348
4	648.8600	25.47	20.78	21.47	2.36	27.14	46.00	-18.86	100	79
5	790.4800	27.90	22.11	21.17	2.54	31.38	46.00	-14.62	100	39
6	920.4600	25.97	23.49	20.84	2.67	31.29	46.00	-14.71	100	130

REMARKS:

1. Result (dBuV/m) = Reading Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Ant_F (dB/m) + Cab_L (dB) - PA_G (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Result level – Limit value



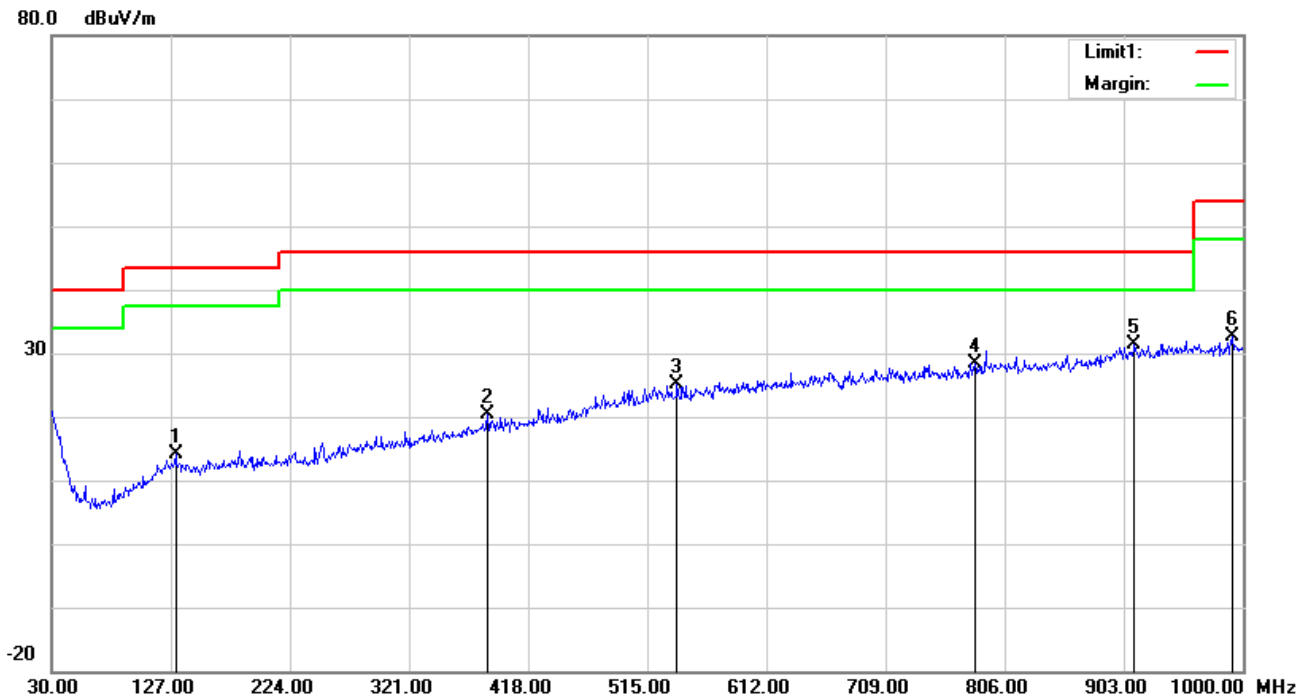


CHANNEL	TX Middle Channel	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9KHz ~ 1GHz		

ANTENNA POLARITY & test distance: Vertical at 3 m										
No.	Frequency (MHz)	Reading (dBuV/m)	Ant_F (dB/m)	PA_G (dB)	Cab_L (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)
1	130.8800	23.83	11.51	22.39	1.09	14.04	43.50	-29.46	100	281
2	385.0200	24.70	15.76	22.05	1.91	20.32	46.00	-25.68	100	12
3	539.2500	25.47	19.26	21.72	2.24	25.25	46.00	-20.75	100	248
4	781.7500	25.13	21.94	21.19	2.53	28.41	46.00	-17.59	100	173
5	911.7300	25.95	23.67	20.86	2.66	31.42	46.00	-14.58	200	83
6	991.2700	26.44	24.16	20.71	2.75	32.64	54.00	-21.36	100	177

REMARKS:

1. Result (dBuV/m) = Reading (dBuV/m) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Ant_F (dB/m) + Cab_L (dB) - PA_G (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Result level – Limit value





ABOVE 1GHz WORST-CASE DATA:

CHANNEL	TX Low Channel	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2400	53.86PK	74	-20.14	1.50 H	297	67.51	-13.65
2	2400	37.09AV	54	-16.91	1.50 H	81	50.74	-13.65
3	*2408	83.14PK	114	-30.86	1.50 H	45	97.11	-13.97
4	*2408	66.37AV	94	-27.63	1.50 H	118	80.34	-13.97
5	4816	54.08PK	74	-19.92	1.50 H	23	57.83	-3.75
6	4816	37.31AV	54	-16.69	1.50 H	115	41.06	-3.75

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

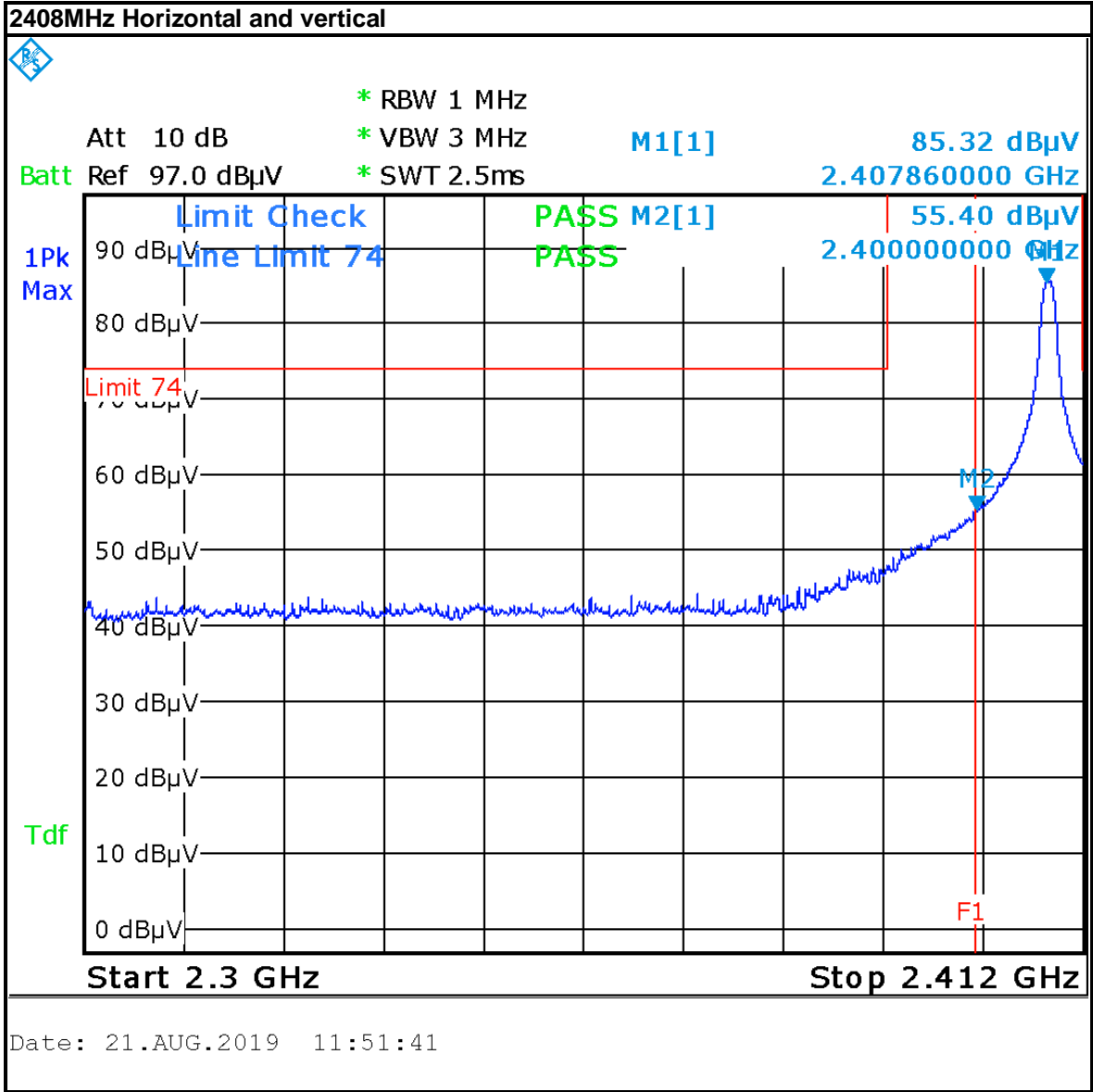
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2400	55.40PK	74	-18.6	1.50 V	80	69.05	-13.65
2	2400	38.63AV	54	-15.37	1.50 V	341	52.28	-13.65
3	*2407.86	85.32PK	114	-28.68	1.50 V	1	99.29	-13.97
4	*2407.86	68.55AV	94	-25.45	1.50 V	257	82.52	-13.97
5	4815.72	56.39PK	74	-17.61	1.50 V	139	60.14	-3.75
6	4815.72	39.62AV	54	-14.38	1.50 V	261	43.37	-3.75

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.



Band edge Plot





CHANNEL	TX Middle Channel	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2442	84.21PK	114	-29.79	1.50 H	269	97.23	-13.02
2	*2442	67.44AV	94	-26.56	1.50 H	78	80.46	-13.02
3	4884	55.42PK	74	-18.58	1.50 H	184	59.38	-3.96
4	4884	38.69AV	54	-15.31	1.50 H	317	42.65	-3.96

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2442	85.32PK	114	-28.68	1.50 V	338	98.34	-13.02
2	*2442	68.55AV	94	-25.45	1.50 V	242	81.57	-13.02
3	4884	58.23PK	74	-15.77	1.50 V	200	62.19	-3.96
4	4884	41.46AV	54	-12.54	1.50 V	119	45.42	-3.96

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.



CHANNEL	TX High Channel	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2483.65	57.86PK	74	-16.14	1.50 H	316	71.51	-13.65
2	2483.65	41.09AV	54	-12.91	1.50 H	170	54.74	-13.65
3	*2478	86.38PK	114	-27.62	1.50 H	337	100.35	-13.97
4	*2478	69.61AV	94	-24.39	1.50 H	348	83.58	-13.97
5	4956	56.01PK	74	-17.99	1.50 H	248	59.76	-3.75
6	4956	39.24AV	54	-14.76	1.50 H	88	42.99	-3.75
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2483.79	59.54PK	74	-14.46	1.50 V	217	73.19	-13.65
2	2483.79	42.77AV	54	-11.23	1.50 V	131	56.42	-13.65
3	*2477.81	87.38PK	114	-26.62	1.50 V	44	101.35	-13.97
4	*2477.81	70.61AV	94	-23.39	1.50 V	33	84.58	-13.97
5	4955.62	56.95PK	74	-17.05	1.50 V	278	60.7	-3.75
6	4955.62	40.18AV	54	-13.82	1.50 V	144	43.93	-3.75

REMARKS:

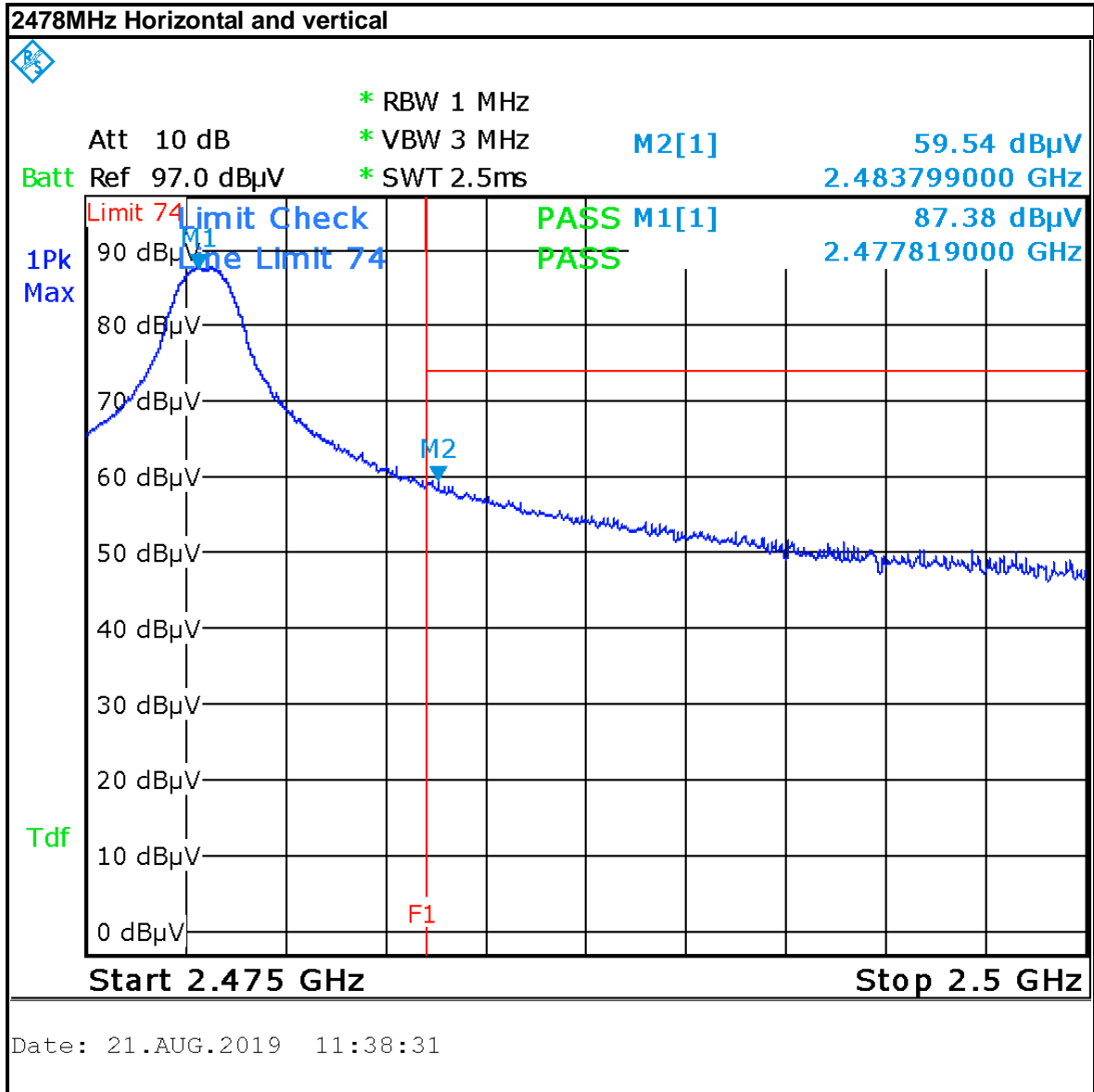
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.



BUREAU VERITAS

Test Report No.: RF190814N028

Band edge Plot





4.2 20dB BANDWIDTH MEASUREMENT

4.2.1 LIMITS OF 20dB BANDWIDTH MEASUREMENT

According to FCC 15.215(c), must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

4.2.2 TEST INSTRUMENTS

Instrument	Model	Serial #	Cal Date	Cal Due
MXA Signal Analyzer	N9020A	MY49100060	Jan. 04, 19	Jan. 03, 20
Programmable Temperature & Humidity Chamber	HYC-TH-225DH	DG-180746	Mar. 28, 19	Mar. 27, 20
DC Power Supply	E3640A	MY40004013	01/05/2019	01/04/2020
MXG Vector Signal Generator	N5182A	MY50140530	01/05/2019	01/04/2020
Series Signal Generator	E4421B	US40051152	05/12/2018	05/11/2019
RF control unit	JS0806-0806-2	188060112	04/25/2019	04/24/2020
Splitter	1580-1	TL177	03/19/2019	03/18/2020

NOTE:

1. The test was performed in RF Oven room.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

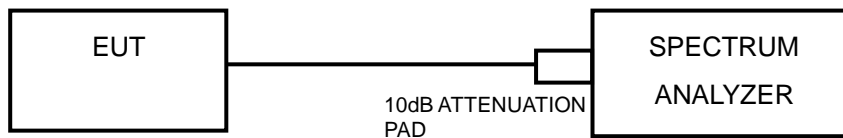
4.2.3 TEST PROCEDURE

- a. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- b. Turn on the EUT and connect it to measurement instrument. 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.
- c. Measure the frequency difference of two frequencies that were attenuated 20dB from the reference level. Record the frequency difference as the emission bandwidth.
- d. Repeat above procedures until all frequencies measured were complete.

4.2.4 DEVIATION FROM TEST STANDARD

No deviation.

4.2.5 TEST SETUP



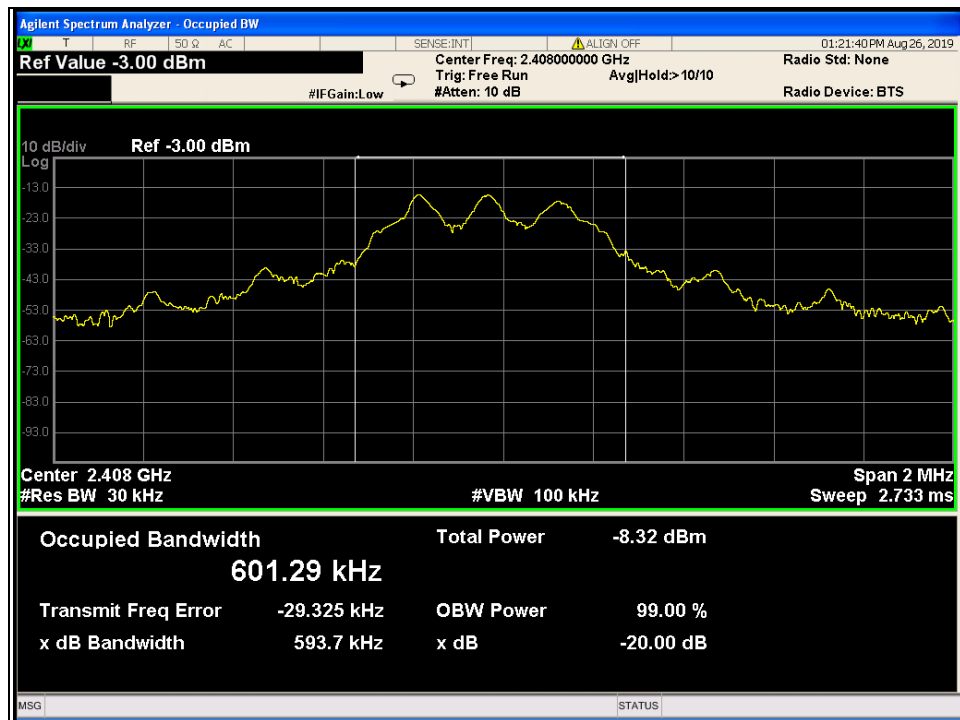
4.2.6 EUT OPERATING CONDITIONS

- a) Turned on the power of all equipment.
- b) EUT was operated according to the type used was description in manufacturer's specifications or the User's Manual.

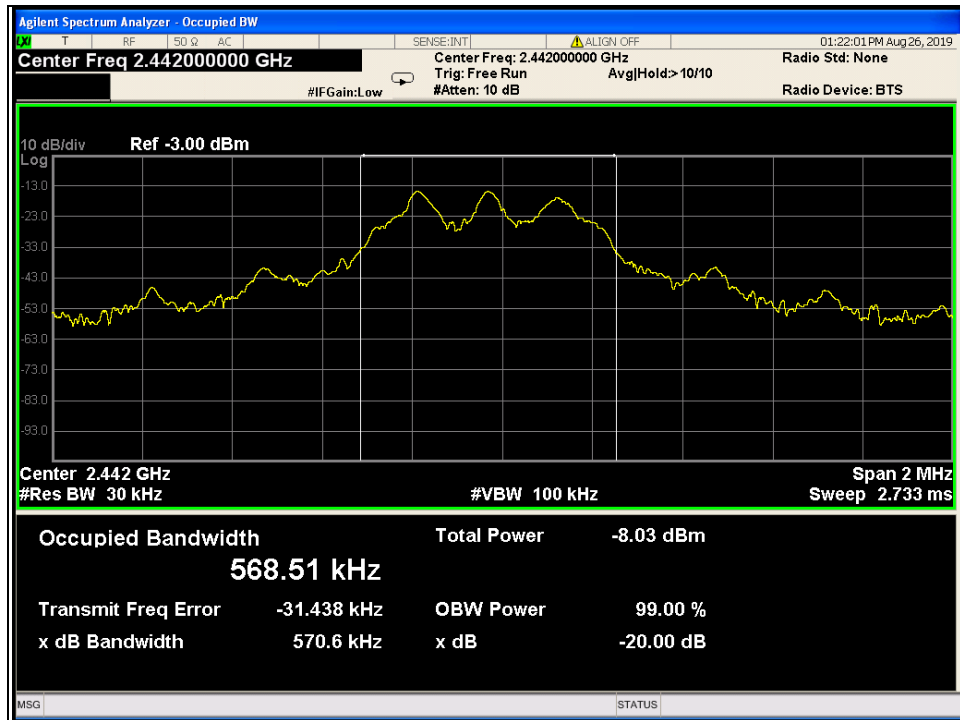
4.2.7 TEST RESULTS

CHANNEL	CHANNEL FREQUENCY (MHz)	20dB BANDWIDTH (MHz)
Low	2408	0.6013
Middle	2442	0.5685
High	2478	0.5694

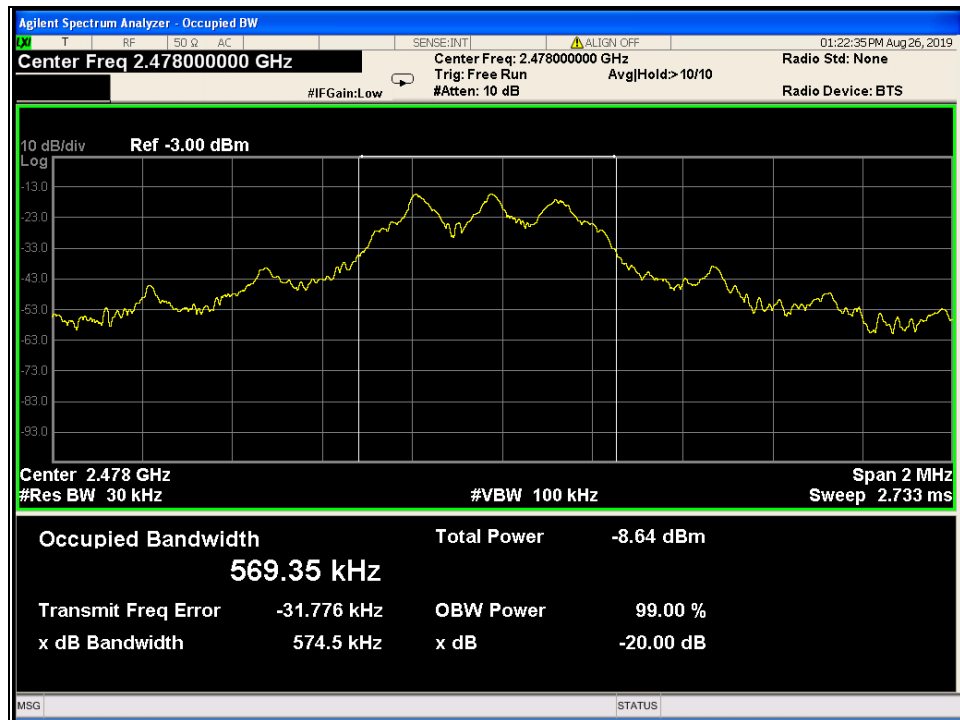
Test Data: Low channel



Test Data: Middle channel



Test Data: High channel





**BUREAU
VERITAS**

Test Report No.: RF190814N028

5. PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).



**BUREAU
VERITAS**

Test Report No.: RF190814N028

6. APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.

---END---