

FCC Radio Test Report

FCC ID: 2AATB-SMC-1030

Report No. : BTL-FCCP-1-1803T076A
Equipment : Music Streamer
Model Name : SMC-1030
Brand Name : TTI
Applicant : Tatung Technology Inc.
Address : 10F, No.288, Sec 6, Civic Blvd, Xinyi Dist, Taipei City 11087, Taiwan

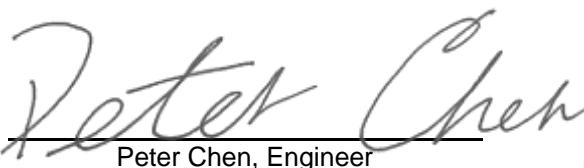
Radio Function : Bluetooth EDR

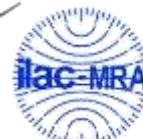
FCC Rule Part(s) : FCC Part15, Subpart C (15.247)
Measurement : ANSI C63.4-2014
Procedure(s)

Date of Receipt : 2018/4/25
Date of Test : 2018/4/25 ~ 2019/9/20
Issued Date : 2019/11/7

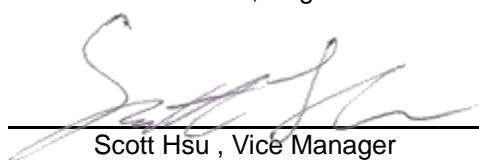
The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

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BTL's laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	2019/11/7

1 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.

FCC Part 15, Subpart C (15.247)

Standard(s) Section	Description	Test Result	Judgement	Remark
15.207	AC Power Line Conducted Emissions	APPENDIX A	Pass	-----
15.205 15.209 15.247(d)	Radiated Emissions	APPENDIX B APPENDIX C	Pass	-----
15.247 (a)(1)(iii)	Number of Hopping Frequency	APPENDIX D	Pass	-----
15.247 (a)(1)(iii)	Average Time of Occupancy	APPENDIX E	Pass	-----
15.247 (a)(1)	Hopping Channel Separation	APPENDIX F	Pass	-----
15.247 (a)(1)	Bandwidth	APPENDIX G	Pass	-----
15.247 (b)(1)	Output Power	APPENDIX H	Pass	-----
15.247(d)	Antenna conducted Spurious Emission	APPENDIX I	Pass	-----
15.203	Antenna Requirement	-----	Pass	-----

NOTE:

(1) "N/A" denotes test is not applicable in this Test Report.

1.1 TEST FACILITY

The test facilities used to collect the test data in this report:

No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

The test sites and facilities are covered under FCC RN: 355421 and DN: TW1099.

C05 CB08 CB11 CB15 CB16
 SR06

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k = 2$, providing a level of confidence of approximately 95 %. The measurement instrumentation uncertainty considerations contained in CISPR 16-4-2. The BTL measurement uncertainty is less than the CISPR 16-4-2 U_{cisp} requirement.

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U (dB)
C05	CISPR	150 kHz ~ 30MHz	3.44

B. Radiated emissions below 1 GHz test :

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
CB15 (3m)	CISPR	30MHz ~ 200MHz	V	4.20
		30MHz ~ 200MHz	H	3.64
		200MHz ~ 1,000MHz	V	4.56
		200MHz ~ 1,000MHz	H	3.90

C. Radiated emissions above 1 GHz test :

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
CB15 (3m)	CISPR	1GHz ~ 6GHz	V	4.46
		1GHz ~ 6GHz	H	4.40
		6GHz ~ 18GHz	V	3.88
		6GHz ~ 18GHz	H	4.00

Test Site	Method	Measurement Frequency Range	U,(dB)
CB15 (1m)	CISPR	18 ~ 26.5 GHz	4.62
		26.5 ~ 40 GHz	5.12

D. Conducted test :

Test Item	U,(dB)
Number of Hopping Frequency	0.00
Average Time of Occupancy	1.20
Hopping Channel Separation	1.20
Bandwidth	1.13
Peak Output Power	1.06
Antenna conducted Spurious Emission	1.14
Conducted Band edges	1.13

NOTE:

Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Environment Condition	Tested by
AC Power Line Conducted Emissions	25 °C, 45 %	Jerry Chuang
Radiated emissions below 1 GHz	22 °C, 60 %	Leo Liu
Radiated emissions above 1 GHz	22 °C, 60 %	Jerry Chuang
Number of Hopping Frequency	24.2 °C, 51.8 %	Tim Lee
Average Time of Occupancy	24.2 °C, 51.8 %	Tim Lee
Hopping Channel Separation	24.2 °C, 51.8 %	Tim Lee
Bandwidth	24.2 °C, 51.8 %	Tim Lee
Output Power	24.2 °C, 51.8 %	Tim Lee
Antenna conducted Spurious Emission	24.2 °C, 51.8 %	Tim Lee

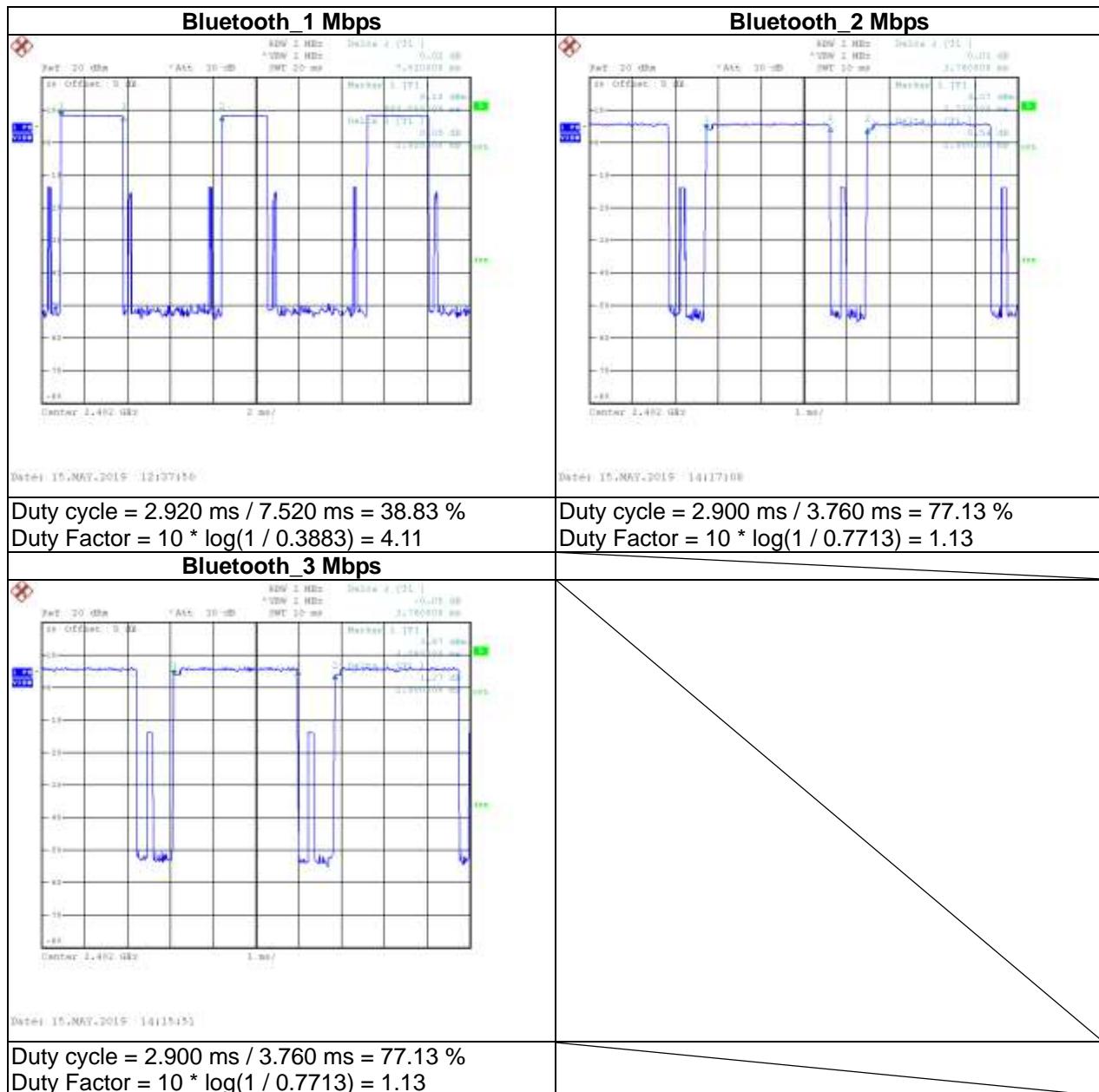
1.4 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

Test Software	PuTTY			
Modulation Mode	2402 MHz	2441 MHz	2480 MHz	Data Rate
GFSK	DEF	DEF	DEF	1 Mbps
$\pi/4$ -DQPSK	DEF	DEF	DEF	2 Mbps
8DPSK	DEF	DEF	DEF	3 Mbps

1.5 DUTY CYCLE

If duty cycle is $\geq 98\%$, duty factor is not required.

If duty cycle is $< 98\%$, duty factor shall be considered.



2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	Music Streamer
Model Name	SMC-1030
Brand Name	TTI
Model Difference	N/A
Power Source	DC voltage supplied from External Power Supply.
Power Rating	I/P: 100-240V~ 50-60 Hz 0.5A Max. O/P: 12.0V---1.0A
Products Covered	1 * Adapter: APD / WA-12M12FU 1 * remote control
Frequency Range	2400 MHz ~ 2483.5 MHz
Operation Frequency	2402 MHz ~ 2480 MHz
Modulation Type	GFSK, π/4-DQPSK, 8DPSK
Modulation Technology	FHSS
Transfer Rate	1/2/3Mbps
Output Power Max.	1 Mbps: 9.31 dBm (0.0085 W) 2 Mbps: 7.76 dBm (0.0060 W) 3 Mbps: 8.35 dBm (0.0068 W)
Test Model	SMC-1030
Sample Status	Engineering Sample
EUT Modification(s)	N/A

NOTE:

(1) For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

(2) Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	27	2429	54	2456
01	2403	28	2430	55	2457
02	2404	29	2431	56	2458
03	2405	30	2432	57	2459
04	2406	31	2433	58	2460
05	2407	32	2434	59	2461
06	2408	33	2435	60	2462
07	2409	34	2436	61	2463
08	2410	35	2437	62	2464
09	2411	36	2438	63	2465
10	2412	37	2439	64	2466
11	2413	38	2440	65	2467
12	2414	39	2441	66	2468
13	2415	40	2442	67	2469
14	2416	41	2443	68	2470
15	2417	42	2444	69	2471
16	2418	43	2445	70	2472
17	2419	44	2446	71	2473
18	2420	45	2447	72	2474
19	2421	46	2448	73	2475
20	2422	47	2449	74	2476
21	2423	48	2450	75	2477
22	2424	49	2451	76	2478
23	2425	50	2452	77	2479
24	2426	51	2453	78	2480
25	2427	52	2454		
26	2428	53	2455		

(3) Table for Filed Antenna:

Ant.	Brand	Test Model	Antenna Type	Connector	Gain (dBi)
1	Ethertronics	TTI_SMC-1030	PCB	N/A	-2.03

2.2 TEST MODES

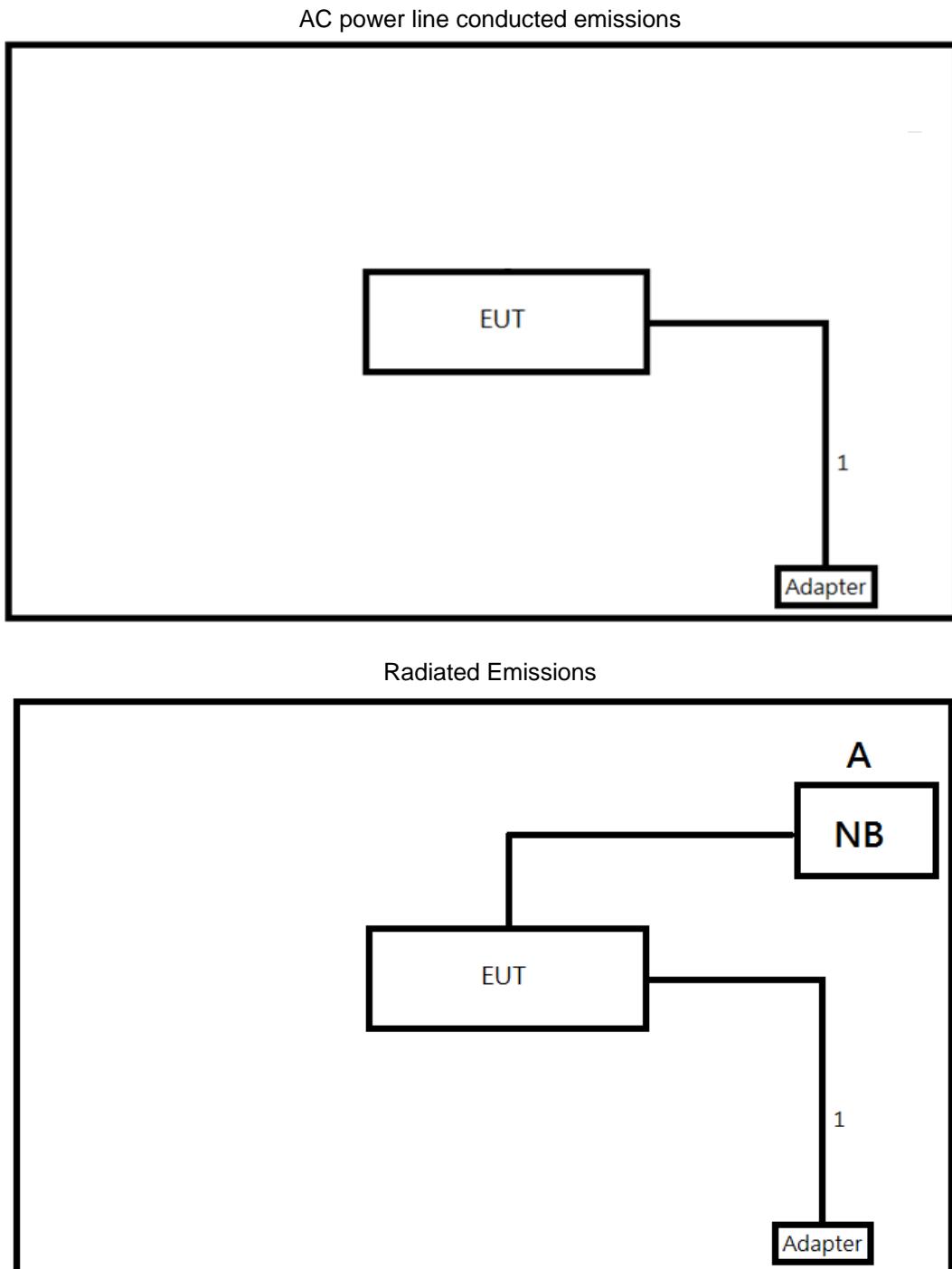
Test Items	Test mode	Channel	Note
AC power line conducted emissions	1 Mbps	39	-
Transmitter Radiated Emissions (below 1GHz)	1 Mbps	39	-
Transmitter Radiated Emissions (above 1GHz)	1/3 Mbps	00/78	Bandedge
	1/3 Mbps	00/39/78	Harmonic
Number of Hopping Frequency	1/3 Mbps	00~78	-
Average Time of Occupancy	1/3 Mbps	00/39/78	-
Hopping Channel Separation	1/3 Mbps	00/39/78	-
Bandwidth	1/3 Mbps	00/39/78	-
Peak Output Power	1/2/3 Mbps	00/39/78	-
Antenna conducted Spurious Emission	1/3 Mbps	00/39/78	-

NOTE:

- (1) The Radiated emissions test was verified based on the worst conducted power and Bandwidth test results reported in the original report.
- (2) For radiated emission band edge test, both Vertical and Horizontal are evaluated, but only the worst case (Horizontal) is recorded.
- (3) All X, Y and Z axes are evaluated, but only the worst case (X axis) is recorded.
- (4) There were no emissions found below 30 MHz within 20 dB of the limit.

2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Equipment letters and Cable numbers refer to item numbers described in the tables of clause 2.4.



2.4 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	NB	HP	TPN-I119	N/A	-

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	NO	NO	1m	Power Cable	-

3 AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

Frequency (MHz)	Limit (dB μ V)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56 *	56 - 46 *
0.50 - 5.0	56	46
5.0 - 30.0	60	50

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

- (3) The test result calculated as following:

Measurement Value = Reading Level + Correct Factor

Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor (if use)

Margin Level = Measurement Value – Limit Value

Calculation example:

Reading Level		Correct Factor		Measurement Value
38.22	+	3.45	=	41.67

Measurement Value		Limit Value		Margin Level
41.67	-	60	=	-18.33

The following table is the setting of the receiver.

Receiver Parameter	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 KHz

3.2 TEST PROCEDURE

- a. The EUT was placed 0.8 m above the horizontal ground plane with the EUT being connected to the power mains through a line impedance stabilization network (LISN).
All other support equipment were powered from an additional LISN(s).
The LISN provides 50 Ohm/50uH of impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle to keep the cable above 40 cm.
- c. Excess I/O cables that are not connected to a peripheral shall be bundled in the center.
The end of the cable will be terminated, using the correct terminating impedance.
The overall length shall not exceed 1 m.
- d. The LISN is spaced at least 80 cm from the nearest part of the EUT chassis.
- e. For the actual test configuration, please refer to the related Item - EUT TEST PHOTO.

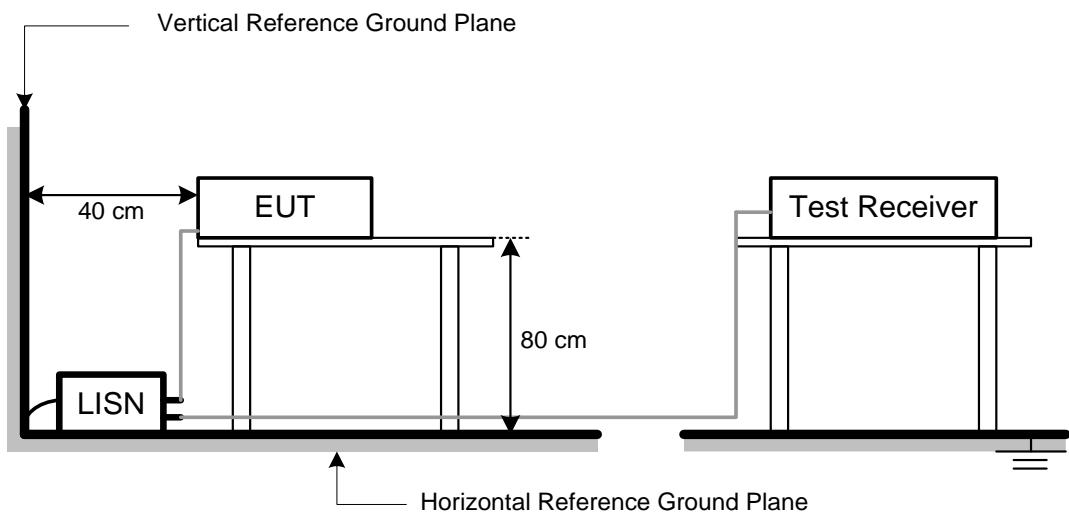
NOTE:

- (1) In the results, each reading is marked as Peak, QP or AVG per the detector used.
BW=9 kHz (6 dB Bandwidth)
- (2) All readings are Peak unless otherwise stated QP or AVG in column of Note. Both the QP and the AVG readings must be less than the limit for compliance.

3.3 DEVIATION FROM TEST STANDARD

No deviation.

3.4 TEST SETUP



3.5 TEST RESULT

Please refer to the APPENDIX A.

4 RADIATED EMISSIONS TEST

4.1 LIMIT

In case the emission fall within the restricted band specified on 15.205, then the 15.209 limit in the table below has to be followed.

LIMITS OF RADIATED EMISSIONS MEASUREMENT (9 kHz to 1000 MHz)

Frequency (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
960~1000	500	3

LIMITS OF RADIATED EMISSIONS MEASUREMENT (Above 1000 MHz)

Frequency (MHz)	Radiated Emissions (dBuV/m)		Measurement Distance (meters)
	Peak	Average	
Above 1000	74	54	3

NOTE:

- (1) The limit for radiated test was performed according to FCC Part 15, Subpart C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).
- (4) The test result calculated as following:

Measurement Value = Reading Level + Correct Factor

Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)

Margin Level = Measurement Value - Limit Value

Calculation example:

Reading Level		Correct Factor		Measurement Value
19.11	+	2.11	=	21.22

Measurement Value		Limit Value		Margin Level
21.22	-	54	=	-32.78

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1MHz / 1/T for Average

Spectrum Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9KHz~90KHz for PK/AVG detector
Start ~ Stop Frequency	90KHz~110KHz for QP detector
Start ~ Stop Frequency	110KHz~490KHz for PK/AVG detector
Start ~ Stop Frequency	490KHz~30MHz for QP detector
Start ~ Stop Frequency	30MHz~1000MHz for QP detector

4.2 TEST PROCEDURE

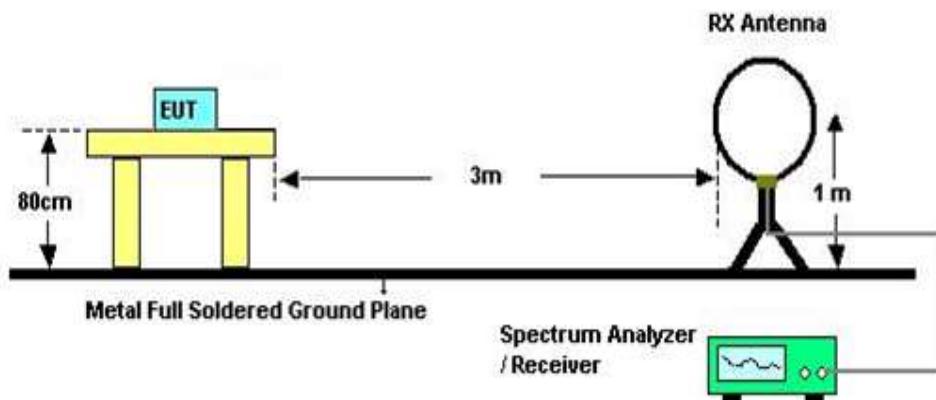
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8 m or 1.5 m, the height of the test antenna shall vary between 1 m to 4 m. 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 find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- i. For the actual test configuration, please refer to the related Item – EUT TEST PHOTO.

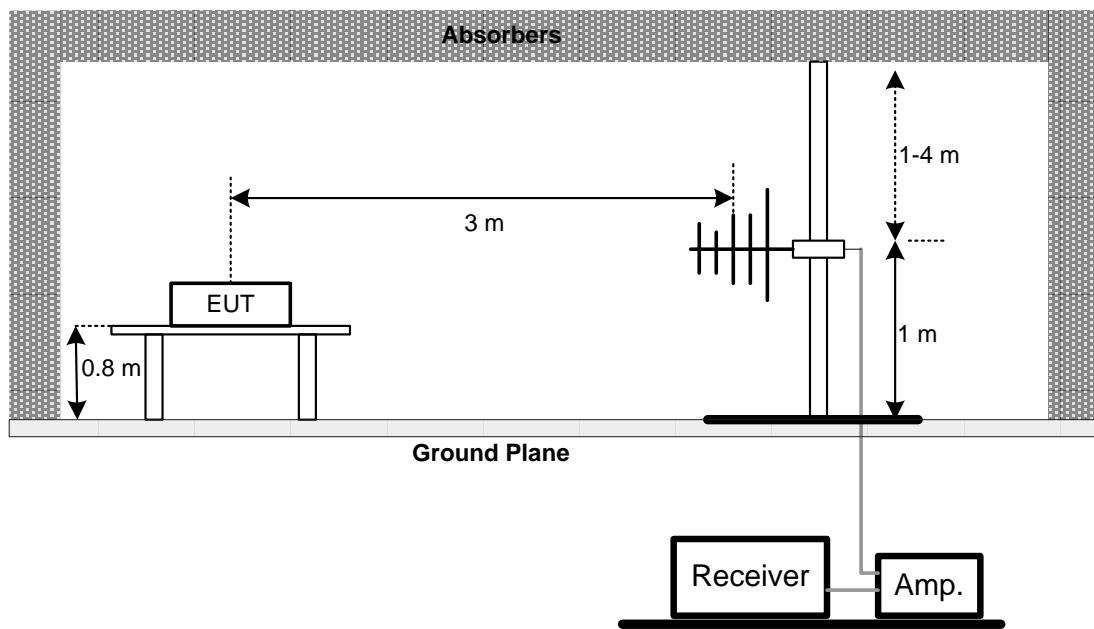
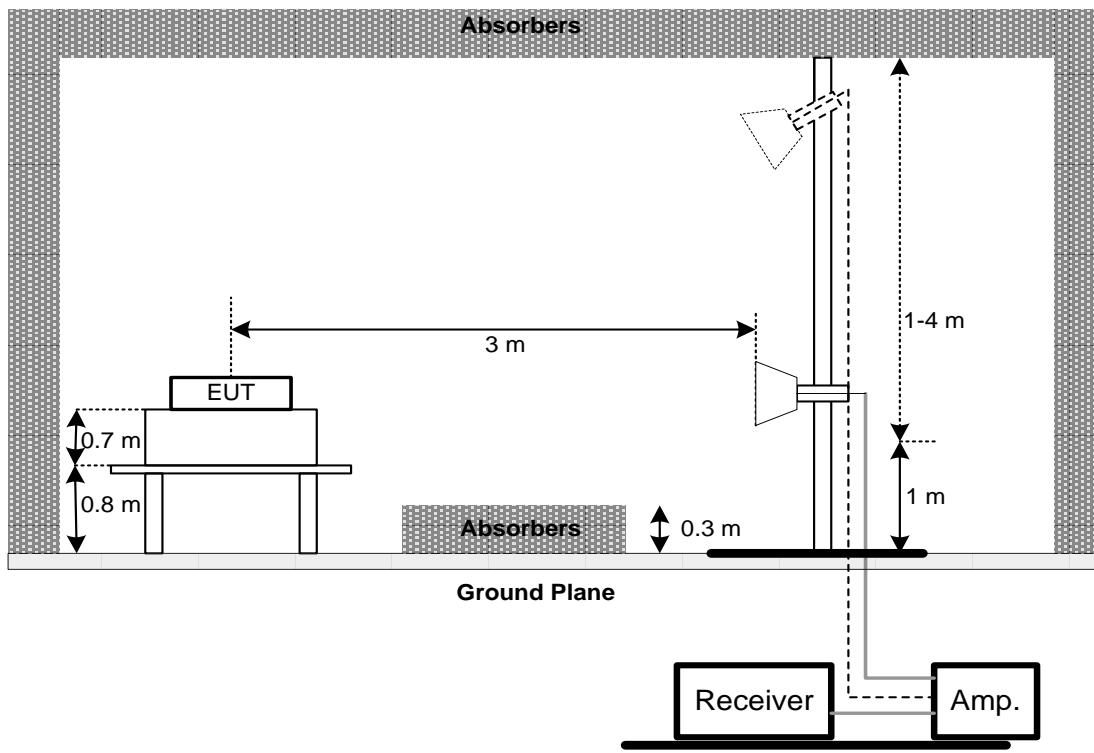
4.3 DEVIATION FROM TEST STANDARD

No deviation.

4.4 TEST SETUP

9 kHz to 30 MHz



30 MHz to 1 GHz**Above 1 GHz****4.5 EUT OPERATING CONDITIONS**

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULT – 30 MHZ TO 1 GHZ

Please refer to the APPENDIX B.

4.7 TEST RESULT – ABOVE 1 GHZ

Please refer to the APPENDIX C.

NOTE:

- (1) No limit: This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

5 NUMBER OF HOPPING CHANNEL

5.1 APPLIED PROCEDURES

FCC Part15 (15.247) , Subpart C			
Section	Test Item	Frequency Range (MHz)	Result
15.247(a)(1)(iii)	Number of Hopping Channel	2400-2483.5	PASS

Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> Operating Frequency Range
RBW	100 KHz
VBW	100 KHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

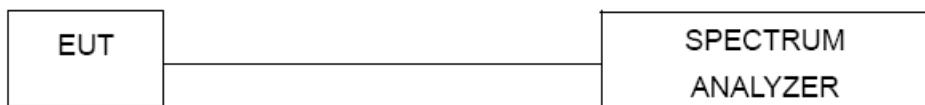
5.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting: RBW=100KHz, VBW=100KHz, Sweep time = Auto.

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

5.6 TEST RESULTS

Please refer to the APPENDIX D.

6 AVERAGE TIME OF OCCUPANCY

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C

Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(1)(iii)	Average Time of Occupancy	0.4sec	2400-2483.5	PASS

6.2 TEST PROCEDURE

- a. The transmitter output (antenna port) was connected to the spectrum analyzer
- b. Set RBW of spectrum analyzer to 1MHz and VBW to 1MHz.
- c. Use a video trigger with the trigger level set to enable triggering only on full pulses.
- d. Sweep Time is more than once pulse time.
- e. Set the center frequency on any frequency would be measure and set the frequency span to zero span.
- f. Measure the maximum time duration of one single pulse.
- g. Set the EUT for DH5, DH3 and DH1 packet transmitting.
- h. Measure the maximum time duration of one single pulse.
- i. Measure the maximum time duration of one single pulse.

A Period Time = (channel number)*0.4

For Normal Mode (79 Channel):

DH1 Time Solt: Reading * (1600/2)*31.6/(channel number)

DH3 Time Solt: Reading * (1600/2)*31.6/(channel number)

DH5 Time Solt: Reading * (1600/2)*31.6/(channel number)

For AFH Mode (20 Channel):

DH1 Time Solt: Reading * (1600/2)*8/(channel number)

DH3 Time Solt: Reading * (1600/4)*8/(channel number)

DH5 Time Solt: Reading * (1600/6)*8/(channel number)

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

6.6 TEST RESULTS

Please refer to the APPENDIX E.

7 Hopping Channel Separation Measurement

7.1 APPLIED PROCEDURES / LIMIT

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.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> Measurement Bandwidth or Channel Separation
RBW	30 KHz
VBW	100 KHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

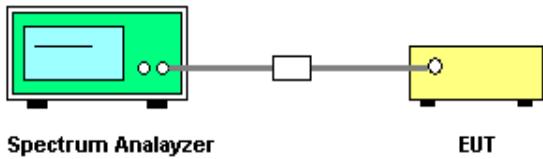
7.2 TEST PROCEDURE

- The EUT must have its hopping function enabled
- Span = wide enough to capture the peaks of two adjacent channels
Resolution (or IF) Bandwidth (RBW) \geq 1% of the span
Video (or Average) Bandwidth (VBW) \geq RBW
Sweep = Auto
Detector function = Peak
Trace = Max Hold

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 TEST RESULTS

Please refer to the APPENDIX F.

8 BANDWIDTH TEST

8.1 APPLIED PROCEDURES

FCC Part15 (15.247) , Subpart C		
Section	Test Item	Frequency Range (MHz)
15.247(a)(2)	Bandwidth	2400-2483.5

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> Measurement Bandwidth or Channel Separation
RBW	30 KHz (20dB Bandwidth) / 30 KHz (Channel Separation)
VBW	100 KHz (20dB Bandwidth) / 100 KHz (Channel Separation)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

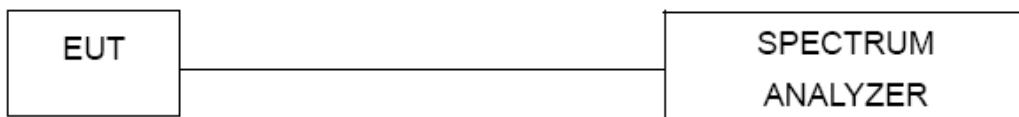
8.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting: RBW= 30KHz, VBW=100KHz, Sweep Time = Auto.

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

8.6 TEST RESULTS

Please refer to the APPENDIX G.

9 OUTPUT POWER TEST

9.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(1)	Peak Output Power	1 Watt or 30dBm (hopping channel >75) 0.125Watt or 21dBm (hopping channel <75)	2400-2483.5	PASS

9.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting: RBW= 3MHz, VBW= 3MHz, Sweep time = Auto.

9.3 DEVIATION FROM STANDARD

No deviation.

9.4 TEST SETUP



9.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

9.6 TEST RESULTS

Please refer to the APPENDIX H.

10 ANTENNA CONDUCTED SPURIOUS EMISSION

10.1 APPLIED PROCEDURES / LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced 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 that the transmitter demonstrates compliance with the peak conducted power limits.

10.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW= 100KHz, VBW=100KHz, Sweep time = Auto.
- c. Offset=antenna gain+cable loss

10.3 DEVIATION FROM STANDARD

No deviation.

10.4 TEST SETUP



10.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

10.6 TEST RESULTS

Please refer to the APPENDIX I.

11 LIST OF MEASURING EQUIPMENTS

AC Power Line Conducted Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	TWO-LINE V-NETWORK	R&S	ENV216	101050	2019/3/18	2020/3/16
2	Test Cable	EMCI	EMCCFD300-BM-BMR-6000	170715	2019/8/9	2020/8/7
3	EMI Test Receiver	R&S	ESR7	101433	2018/12/5	2019/12/4
4	Measurement Software	EZ	EZ_EMC (Version NB-03A)	N/A	N/A	N/A

Radiated Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Preamplifier	EMCI	EMC02325	980217	2019/4/15	2020/4/13
2	Preamplifier	EMCI	EMC2654045	980030	2019/2/2	2020/2/1
3	Test Cable	EMCI	EMC104-SM-SM-8000	8m	2019/4/15	2020/4/13
4	Test Cable	EMCI	EMC104-SM-SM-800	150207	2019/4/15	2020/4/13
5	Test Cable	EMCI	EEMC104-SM-SM-3000	151205	2019/4/15	2020/4/13
6	MXE EMI Receiver	Agilent	N9038A	MY55420127	2019/3/26	2020/3/24
7	Signal Analyzer	Agilent	N9010A	MY52220990	2019/4/17	2020/4/15
8	Horn Ant	SCHWARZBECK	BBHA 9120D	9120D-1342	2019/5/3	2020/5/1
9	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	9168-548	2019/3/22	2020/3/20
10	5dB Attenuator	EMCI	EMCI-N-6-05	AT-N0623	2019/3/22	2020/3/20

Number of Hopping Frequency						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP40	100129	2019/5/23	2020/5/22

Average Time of Occupancy						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP40	100129	2019/5/23	2020/5/22

Hopping Channel Separation						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP40	100129	2019/5/23	2020/5/22

Bandwidth						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP40	100129	2019/5/23	2020/5/22

Output Power						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP40	100129	2019/5/23	2020/5/22
2	Power Meter	Anritsu	ML2495A	1128008	2018/12/6	2019/12/5
3	Power Sensor	Anritsu	MA2411B	1126001	2018/12/6	2019/12/5

Antenna conducted Spurious Emission						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP40	100129	2019/5/23	2020/5/22

Remark: "N/A" denotes no model name, no serial no. or no calibration specified.
All calibration period of equipment list is one year.

12 EUT TEST PHOTO

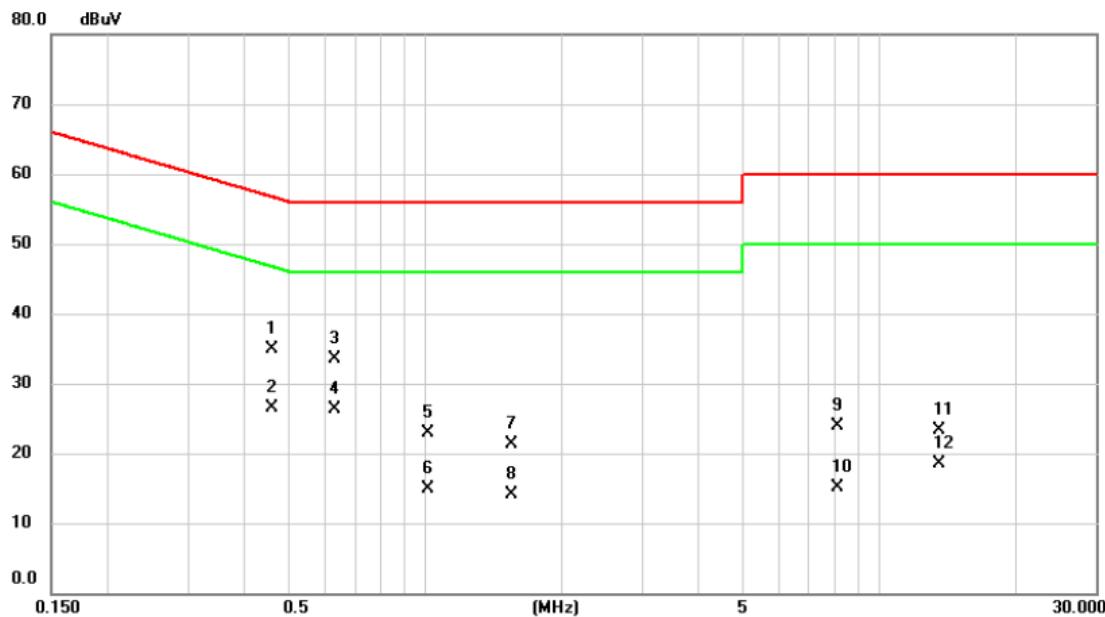
Please refer to document Appendix No.: TP-1803T076A-1 (APPENDIX-TEST PHOTOS).

13 EUT PHOTOS

Please refer to document Appendix No.: EP-1803T076A-1 (APPENDIX-EUT PHOTOS).

APPENDIX A AC POWER LINE CONDUCTED EMISSIONS

Test Mode	TX Mode 2441MHz _CH39_1Mbps	Tested Date	2019/5/7
Test Voltage	AC 120V/60Hz	Phase	Line

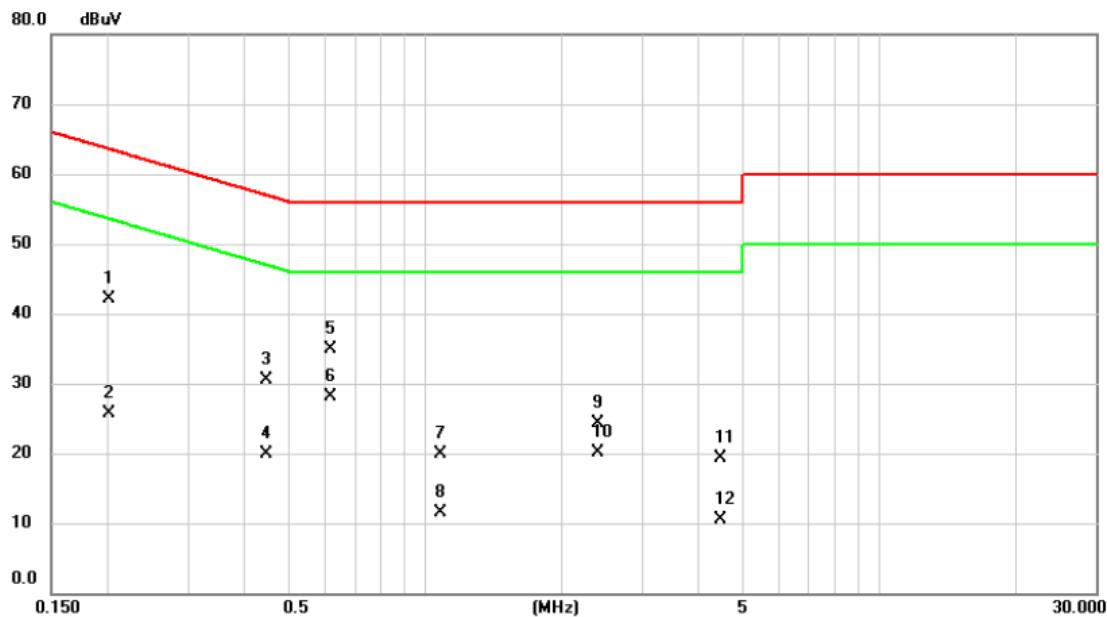


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.4582	25.28	9.58	34.86	56.73	-21.87	QP	
2		0.4582	16.95	9.58	26.53	46.73	-20.20	AVG	
3		0.6315	23.84	9.59	33.43	56.00	-22.57	QP	
4	*	0.6315	16.64	9.59	26.23	46.00	-19.77	AVG	
5		1.0117	13.26	9.62	22.88	56.00	-33.12	QP	
6		1.0117	5.21	9.62	14.83	46.00	-31.17	AVG	
7		1.5518	11.70	9.65	21.35	56.00	-34.65	QP	
8		1.5518	4.49	9.65	14.14	46.00	-31.86	AVG	
9		8.0880	14.01	9.81	23.82	60.00	-36.18	QP	
10		8.0880	5.33	9.81	15.14	50.00	-34.86	AVG	
11		13.5600	13.50	9.87	23.37	60.00	-36.63	QP	
12		13.5600	8.58	9.87	18.45	50.00	-31.55	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode 2441MHz _CH39_1Mbps	Tested Date	2019/5/7
Test Voltage	AC 120V/60Hz	Phase	Neutral



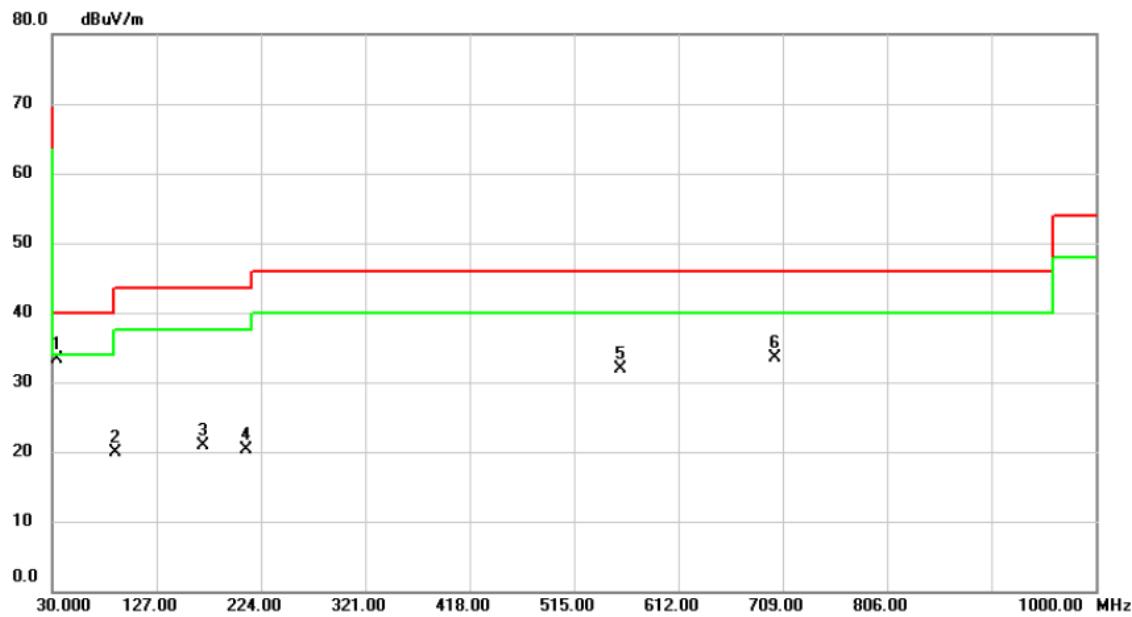
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.2017	32.42	9.63	42.05	63.54	-21.49	QP	
2		0.2017	16.06	9.63	25.69	53.54	-27.85	AVG	
3		0.4470	20.82	9.63	30.45	56.93	-26.48	QP	
4		0.4470	10.31	9.63	19.94	46.93	-26.99	AVG	
5		0.6180	25.17	9.64	34.81	56.00	-21.19	QP	
6	*	0.6180	18.40	9.64	28.04	46.00	-17.96	AVG	
7		1.0837	10.15	9.66	19.81	56.00	-36.19	QP	
8		1.0837	1.75	9.66	11.41	46.00	-34.59	AVG	
9		2.3955	14.50	9.73	24.23	56.00	-31.77	QP	
10		2.3955	10.34	9.73	20.07	46.00	-25.93	AVG	
11		4.4700	9.53	9.79	19.32	56.00	-36.68	QP	
12		4.4700	0.72	9.79	10.51	46.00	-35.49	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value - Limit Value.

APPENDIX B RADIATED EMISSIONS - 30 MHZ TO 1 GHZ

Test Mode	TX Mode 2441MHz _CH39_1Mbps	Tested Date	2018/5/7
Test Voltage	AC 120V/60Hz	Polarization	Vertical



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	34.8500	42.33	-9.01	33.32	40.00	-6.68	peak	
2		88.2000	33.45	-13.56	19.89	43.50	-23.61	peak	
3		169.6800	29.83	-8.85	20.98	43.50	-22.52	peak	
4		210.4200	31.06	-10.69	20.37	43.50	-23.13	peak	
5		558.6500	33.66	-1.73	31.93	46.00	-14.07	peak	
6		701.2400	32.19	1.30	33.49	46.00	-12.51	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode 2441MHz _CH39_1Mbps	Tested Date	2018/5/7
Test Voltage	AC 120V/60Hz	Polarization	Horizontal



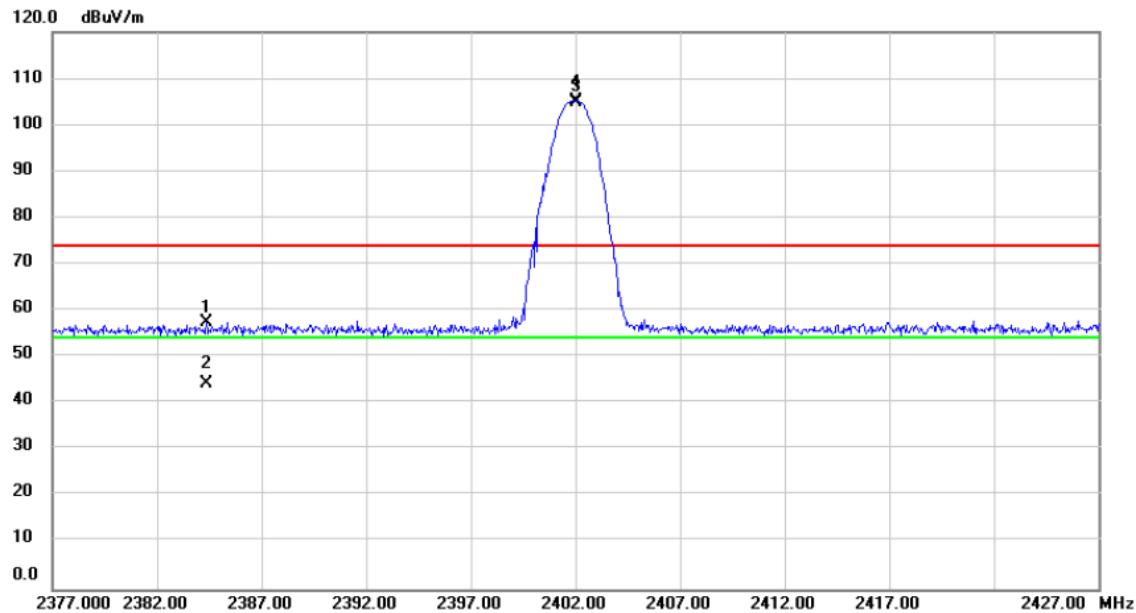
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
MHz		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		43.5800	29.93	-8.32	21.61	40.00	-18.39	peak	
2		87.2300	36.16	-13.44	22.72	40.00	-17.28	peak	
3		109.5400	34.46	-11.29	23.17	43.50	-20.33	peak	
4		148.3400	29.78	-8.65	21.13	43.50	-22.37	peak	
5		276.3800	29.66	-7.88	21.78	46.00	-24.22	peak	
6	*	558.6500	31.34	-1.73	29.61	46.00	-16.39	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value - Limit Value.

APPENDIX C RADIATED EMISSIONS - ABOVE 1 GHZ

Test Mode	TX Mode 2402MHz _CH00_1Mbps	Tested Date	2019/5/7
Test Voltage	AC 120V/60Hz	Polarization	Horizontal

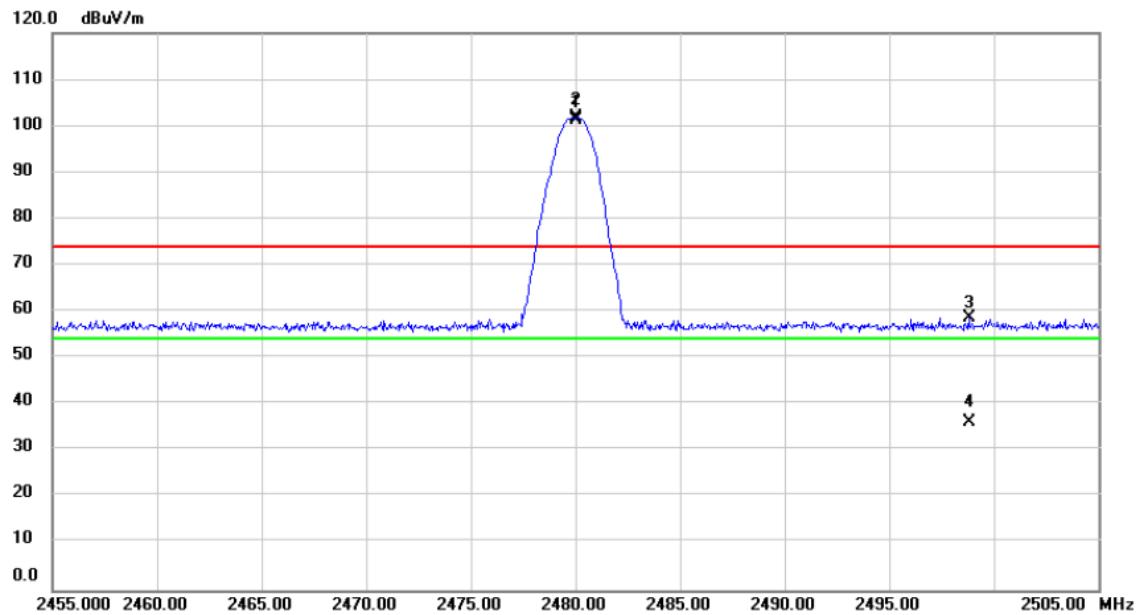


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2384.350	26.57	30.85	57.42	74.00	-16.58	peak	
2		2384.350	13.26	30.85	44.11	54.00	-9.89	AVG	
3	X	2402.000	74.16	30.91	105.07	74.00	31.07	peak	No Limit
4	*	2402.000	73.82	30.91	104.73	54.00	50.73	AVG	No Limit

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode 2480MHz _CH78_1Mbps	Tested Date	2019/5/7
Test Voltage	AC 120V/60Hz	Polarization	Horizontal

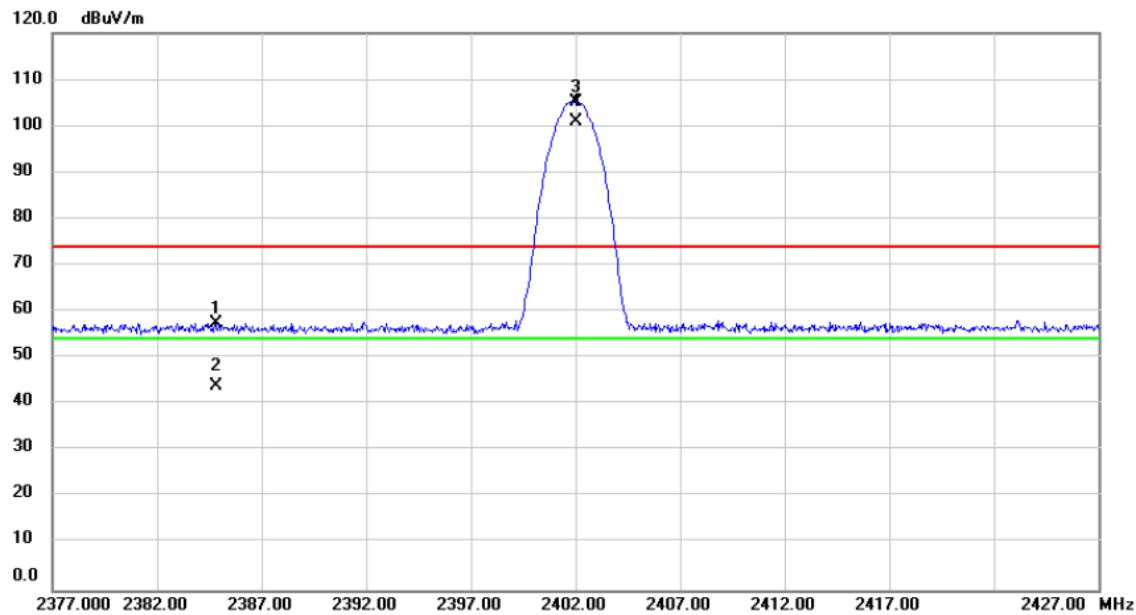


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Comment
			Level	Factor	ment			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	X	2480.000	70.60	31.17	101.77	74.00	27.77	peak
2	*	2480.000	70.18	31.17	101.35	54.00	47.35	AVG
3		2498.800	27.47	31.23	58.70	74.00	-15.30	peak
4		2498.800	4.87	31.23	36.10	54.00	-17.90	AVG

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode 2402MHz _CH00_3Mbps	Tested Date	2019/5/7
Test Voltage	AC 120V/60Hz	Polarization	Horizontal

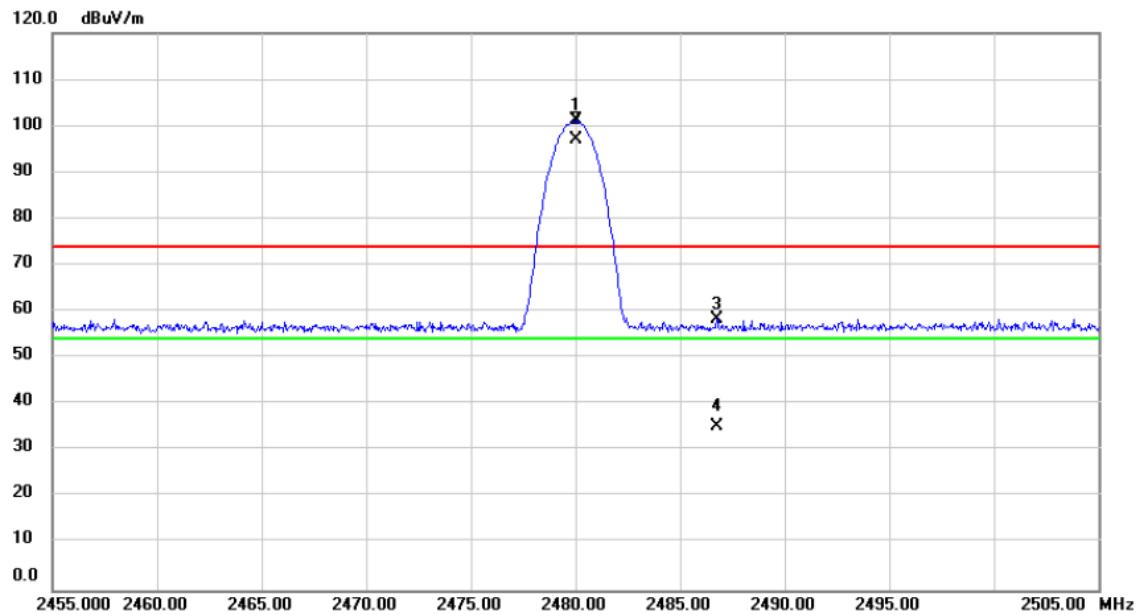


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2384.800	26.74	30.85	57.59	74.00	-16.41	peak	
2		2384.800	13.19	30.85	44.04	54.00	-9.96	AVG	
3	X	2402.000	74.27	30.91	105.18	74.00	31.18	peak	No Limit
4	*	2402.000	70.13	30.91	101.04	54.00	47.04	AVG	No Limit

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode 2480MHz _CH78_3Mbps	Tested Date	2019/5/7
Test Voltage	AC 120V/60Hz	Polarization	Horizontal

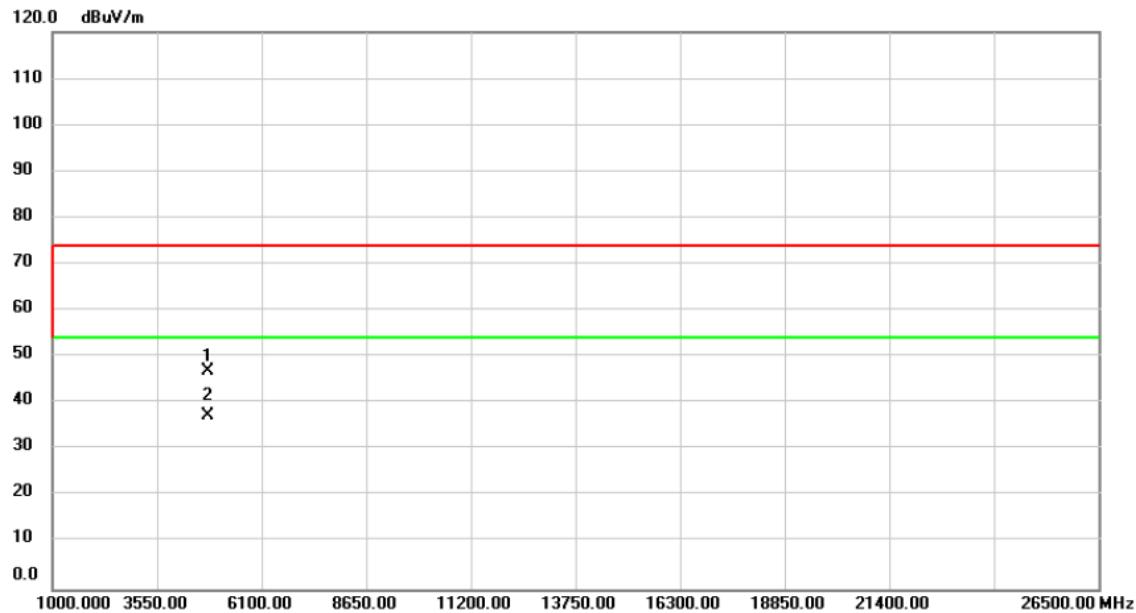


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Comment
			Level	Factor	ment			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	X	2480.000	70.01	31.17	101.18	74.00	27.18	peak
2	*	2480.000	66.03	31.17	97.20	54.00	43.20	AVG
3		2486.750	27.05	31.19	58.24	74.00	-15.76	peak
4		2486.750	4.08	31.19	35.27	54.00	-18.73	AVG

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode 2402MHz _CH00_1Mbps	Tested Date	2019/5/7
Test Voltage	AC 120V/60Hz	Polarization	Vertical

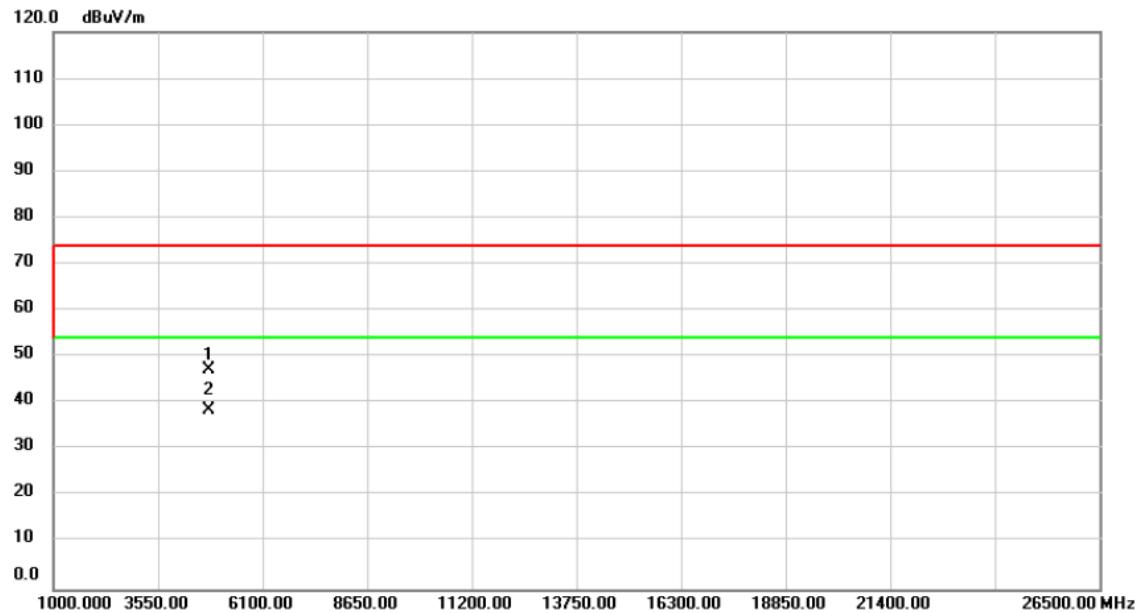


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1		4804.000	58.57	-11.59	46.98	74.00	-27.02	peak	
2	*	4804.000	49.05	-11.59	37.46	54.00	-16.54	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode 2402MHz _CH00_1Mbps	Tested Date	2019/5/7
Test Voltage	AC 120V/60Hz	Polarization	Horizontal

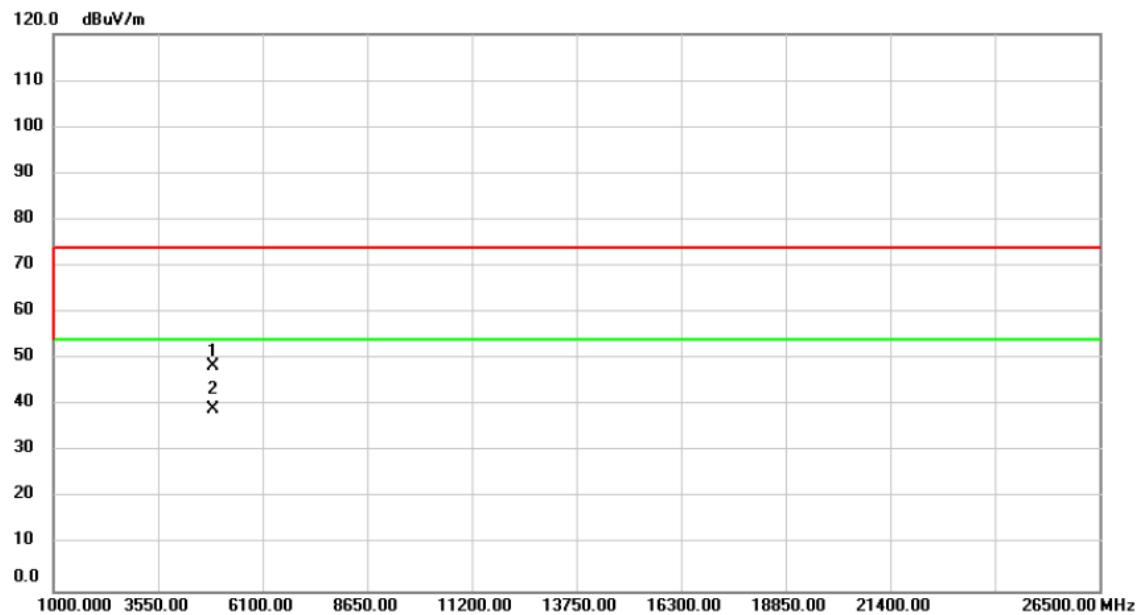


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1		4804.000	58.86	-11.59	47.27	74.00	-26.73	peak	
2	*	4804.000	50.12	-11.59	38.53	54.00	-15.47	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode 2441MHz _CH39_1Mbps	Tested Date	2019/5/7
Test Voltage	AC 120V/60Hz	Polarization	Vertical

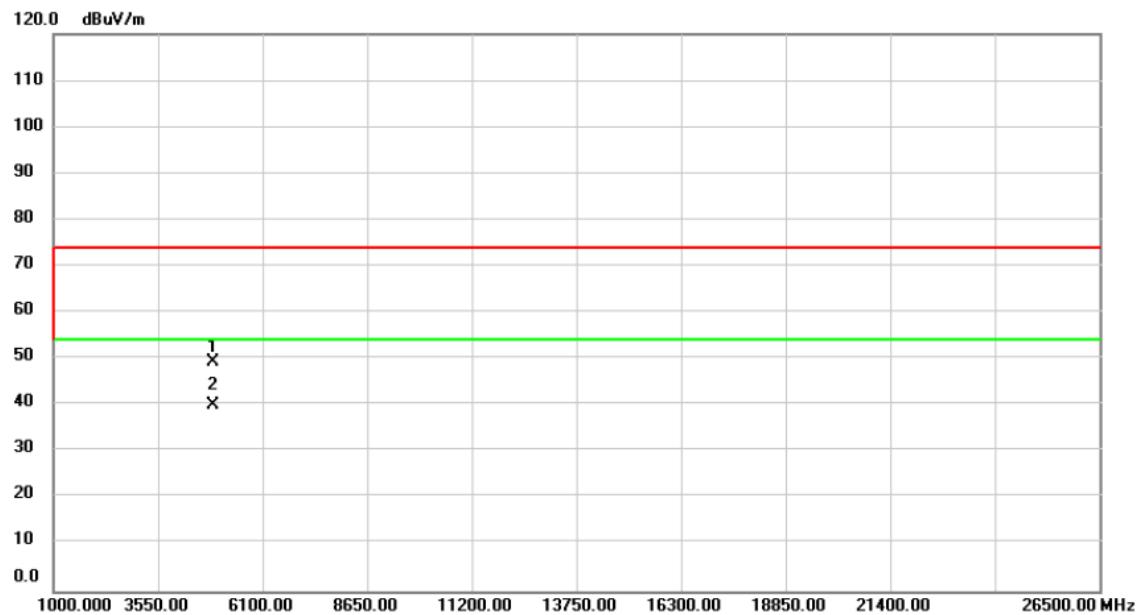


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1		4882.000	59.88	-11.52	48.36	74.00	-25.64	peak	
2	*	4882.000	50.66	-11.52	39.14	54.00	-14.86	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode 2441MHz _CH39_1Mbps	Tested Date	2019/5/7
Test Voltage	AC 120V/60Hz	Polarization	Horizontal

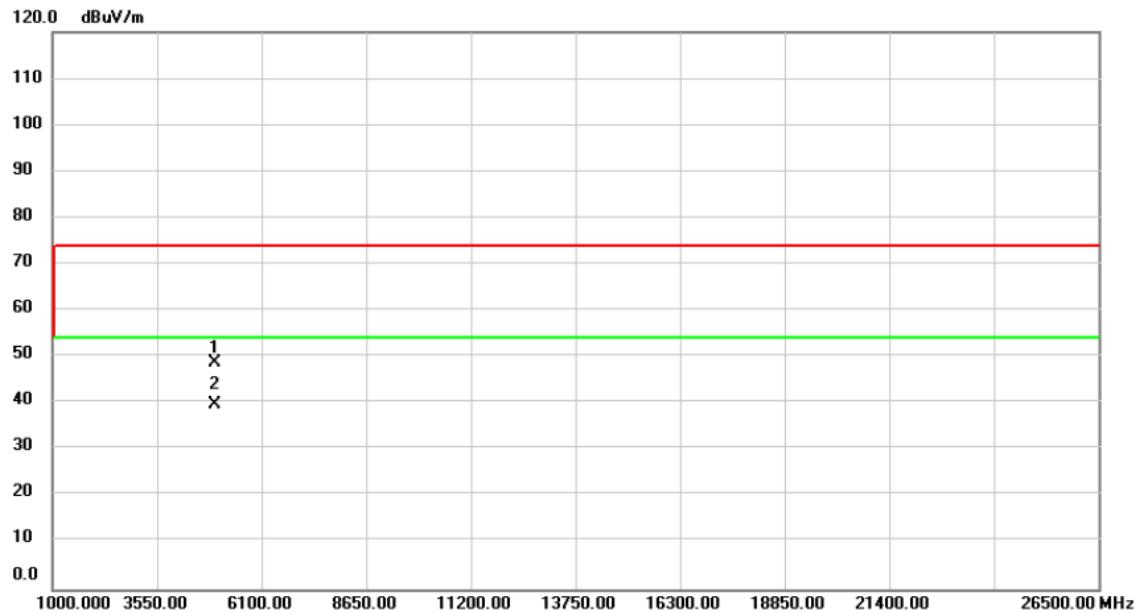


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over
			Level	Factor	ment		
		MHz	dBuV	dB	dBuV/m	dB	Detector
1		4882.000	60.78	-11.52	49.26	74.00	-24.74 peak
2	*	4882.000	51.65	-11.52	40.13	54.00	-13.87 AVG

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode 2480MHz _CH78_1Mbps	Tested Date	2019/5/7
Test Voltage	AC 120V/60Hz	Polarization	Vertical

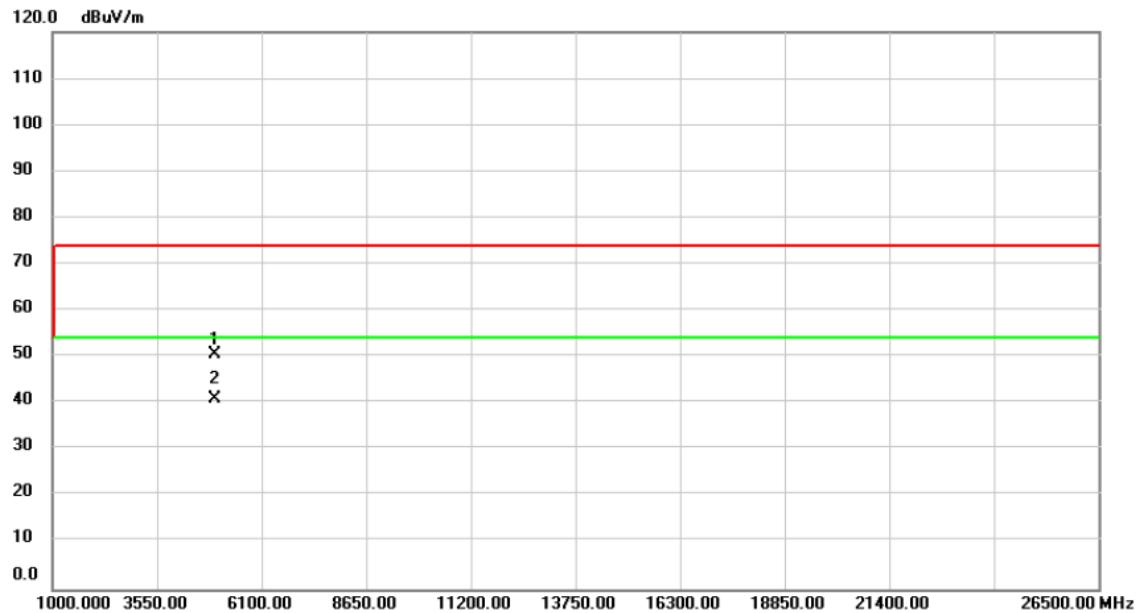


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over
			Level	Factor	ment		
		MHz	dBuV	dB	dBuV/m	dB	Detector
1		4960.000	60.13	-11.43	48.70	74.00	-25.30
2	*	4960.000	51.04	-11.43	39.61	54.00	-14.39
							AVG

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode 2480MHz _CH78_1Mbps	Tested Date	2019/5/7
Test Voltage	AC 120V/60Hz	Polarization	Horizontal

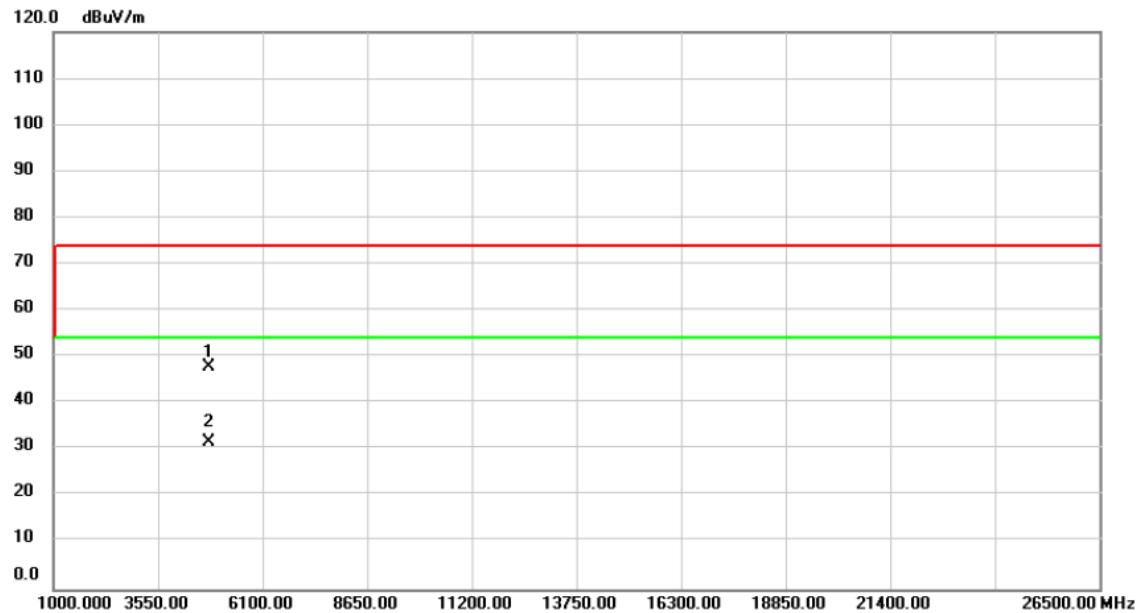


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1		4960.000	61.94	-11.43	50.51	74.00	-23.49	peak	
2	*	4960.000	52.46	-11.43	41.03	54.00	-12.97	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode 2402MHz _CH00_3Mbps	Tested Date	2019/5/7
Test Voltage	AC 120V/60Hz	Polarization	Vertical

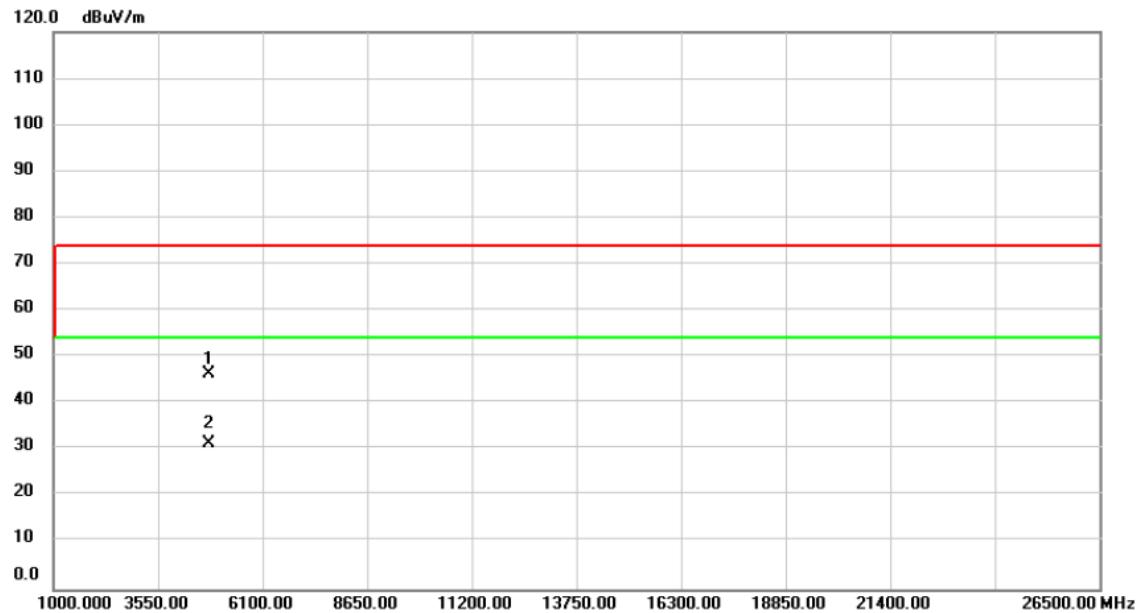


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over
			Level	Factor	ment		
		MHz	dBuV	dB	dBuV/m	dB	Detector
1		4804.000	59.36	-11.59	47.77	74.00	-26.23 peak
2	*	4804.000	43.26	-11.59	31.67	54.00	-22.33 AVG

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode 2402MHz _CH00_3Mbps	Tested Date	2019/5/7
Test Voltage	AC 120V/60Hz	Polarization	Horizontal

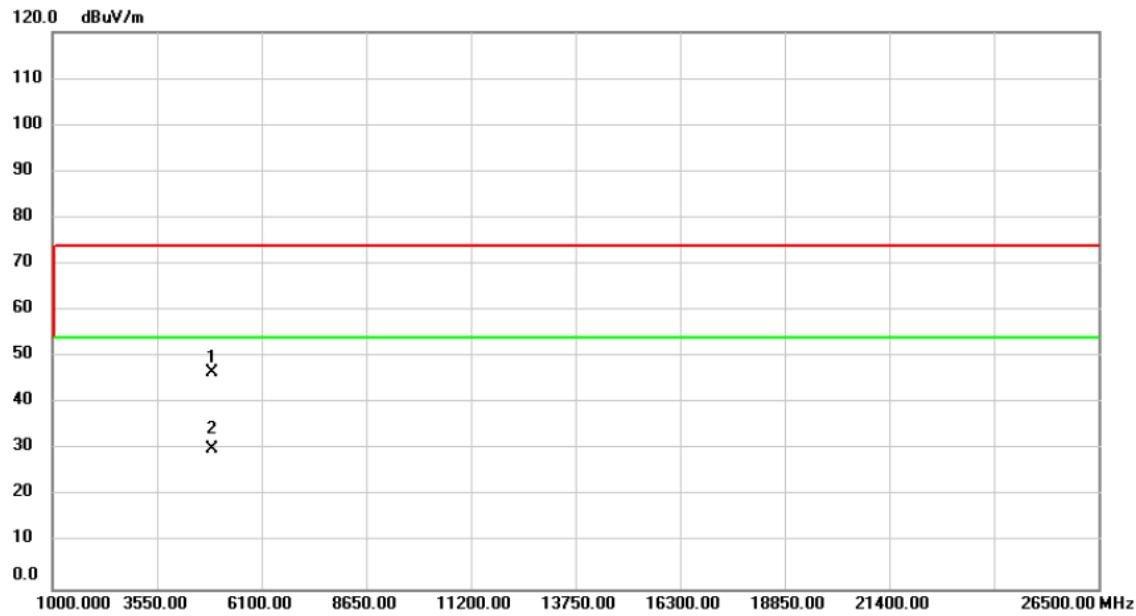


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1		4804.000	57.97	-11.59	46.38	74.00	-27.62	peak	
2	*	4804.000	42.82	-11.59	31.23	54.00	-22.77	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode 2441MHz _CH39_3Mbps	Tested Date	2019/5/7
Test Voltage	AC 120V/60Hz	Polarization	Vertical

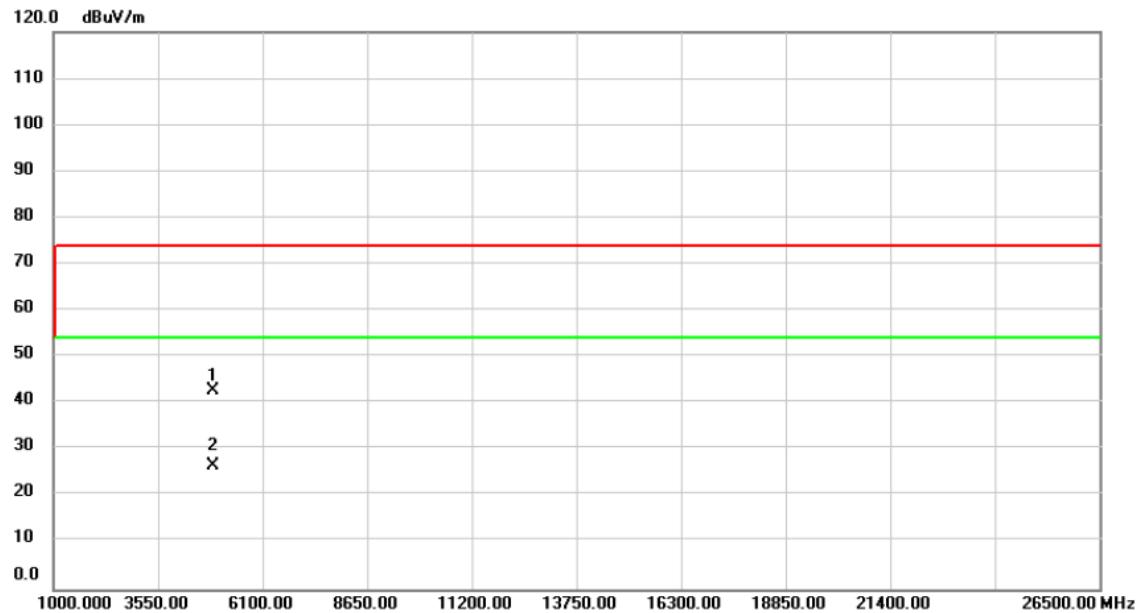


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1		4882.000	58.29	-11.52	46.77	74.00	-27.23	peak	
2	*	4882.000	41.74	-11.52	30.22	54.00	-23.78	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode 2441MHz _CH39_3Mbps	Tested Date	2019/5/7
Test Voltage	AC 120V/60Hz	Polarization	Horizontal

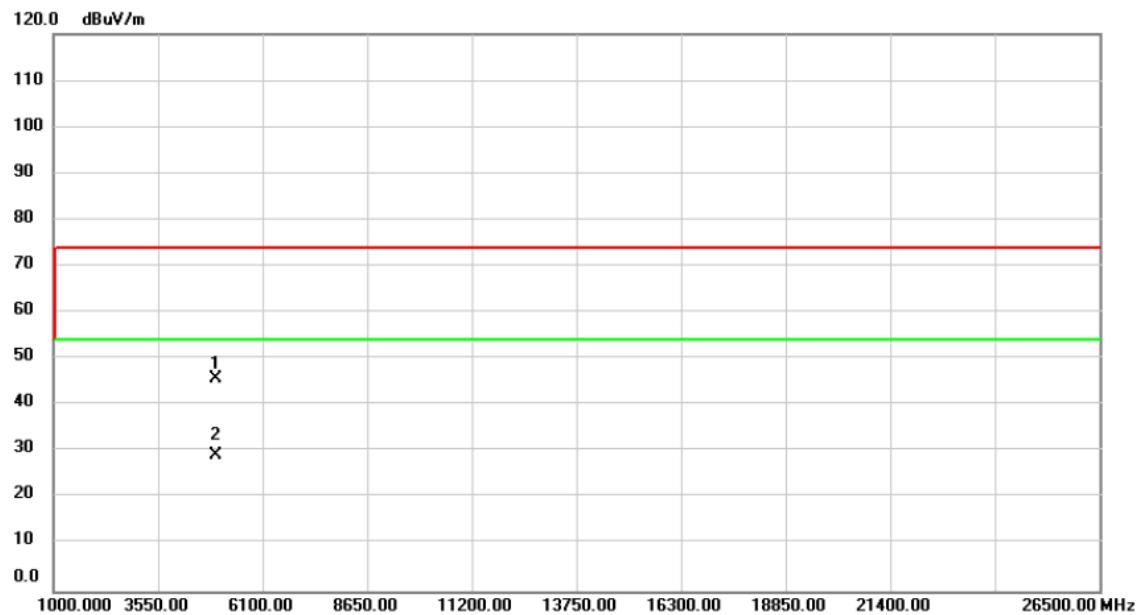


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1		4882.000	54.33	-11.52	42.81	74.00	-31.19	peak	
2	*	4882.000	37.95	-11.52	26.43	54.00	-27.57	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode 2480MHz _CH78_3Mbps	Tested Date	2019/5/7
Test Voltage	AC 120V/60Hz	Polarization	Vertical

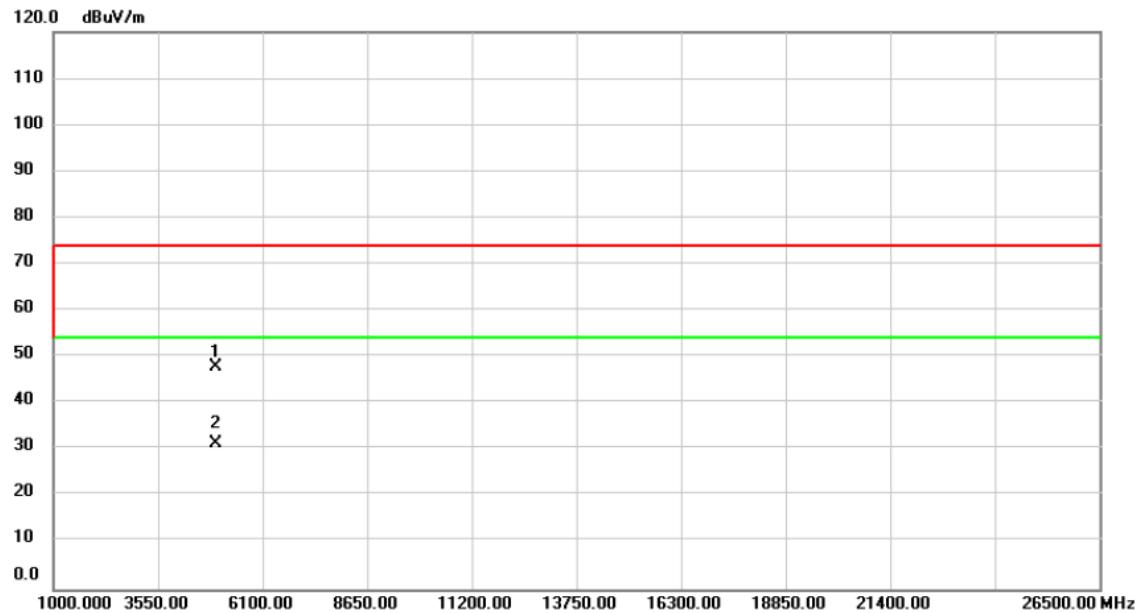


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1		4960.000	57.22	-11.43	45.79	74.00	-28.21	peak	
2	*	4960.000	40.81	-11.43	29.38	54.00	-24.62	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode 2480MHz _CH78_3Mbps	Tested Date	2019/5/7
Test Voltage	AC 120V/60Hz	Polarization	Horizontal



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1		4960.000	59.24	-11.43	47.81	74.00	-26.19	peak	
2	*	4960.000	42.75	-11.43	31.32	54.00	-22.68	AVG	

REMARKS:

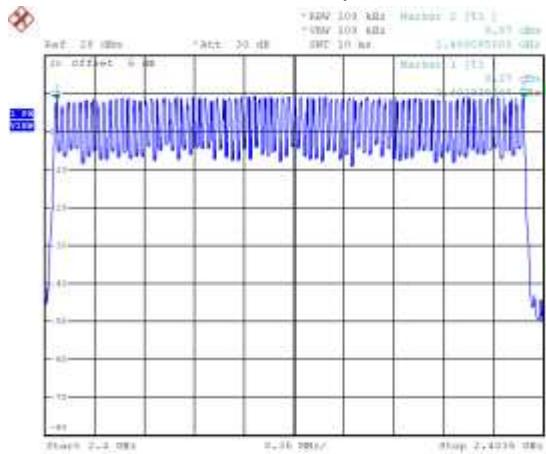
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX D NUMBER OF HOPPING CHANNEL

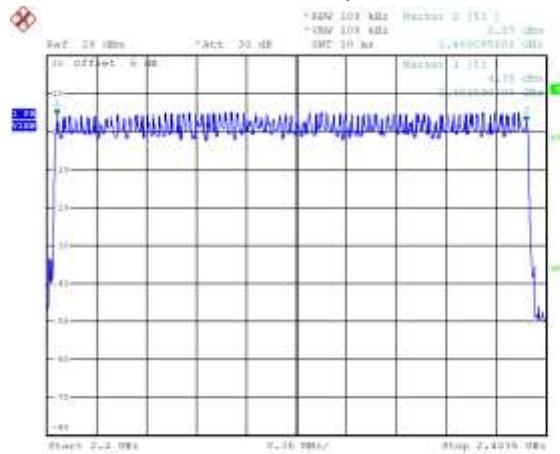
Test Mode	1/3Mbps
Test Voltage	AC 120V/60Hz

Test Mode	Number of Hopping Channel	≥ Limit	Test Result
1 Mbps	79	15	Pass
3 Mbps	79	15	Pass

1 Mbps



3 Mbps



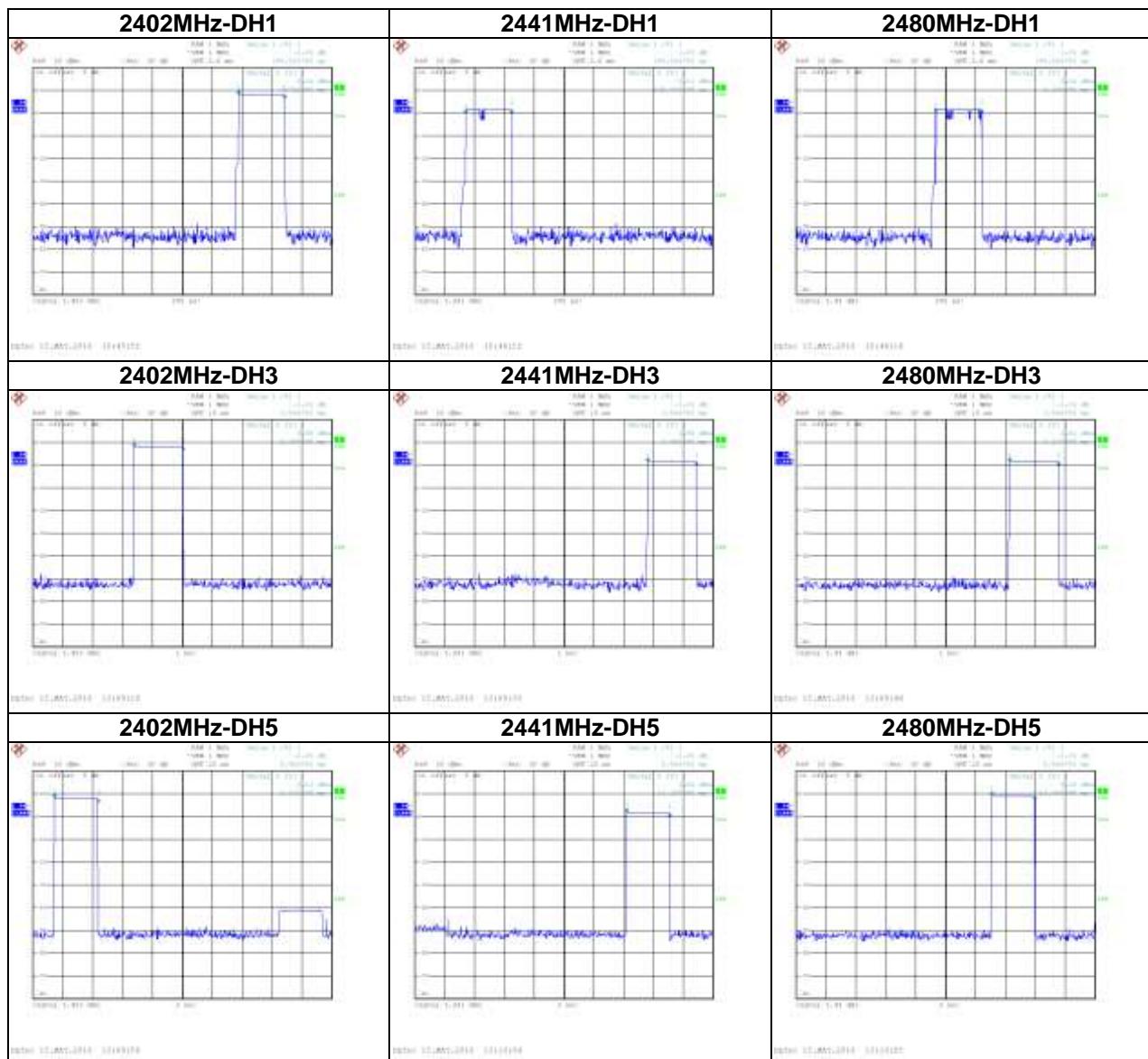
Date: 15.MAY.2018 12:56:22

Date: 15.MAY.2018 14:03:59

APPENDIX E AVERAGE TIME OF OCCUPANCY

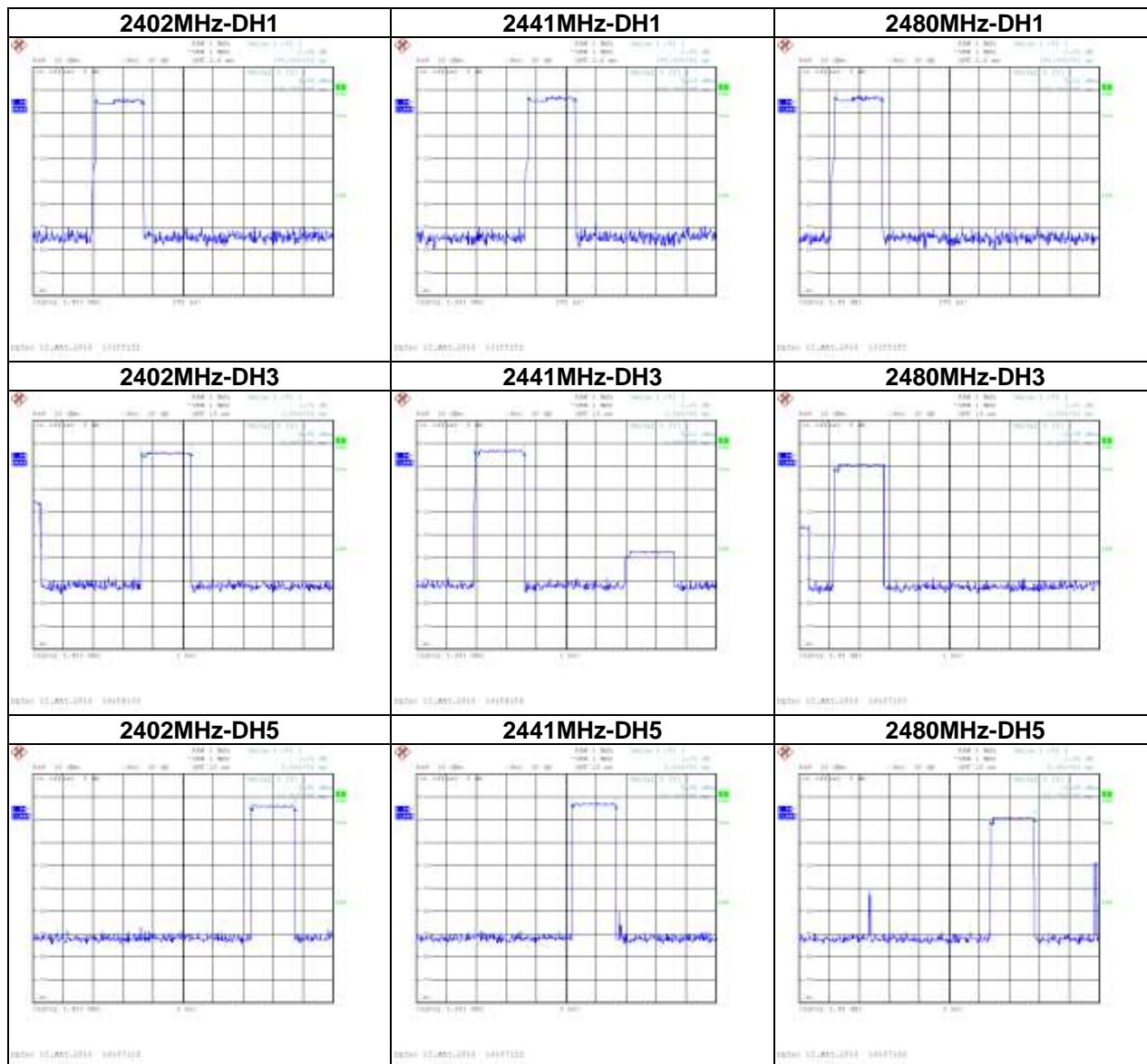
Test Mode :	TX Mode_1Mbps
Test Voltage	AC 120V/60Hz

Data Packet	Frequency (MHz)	Pulse Duration (ms)	Dwell Time (s)	Limits (s)	Test Result
DH5	2402 MHz	2.9200	0.3115	0.4000	Pass
DH3	2402 MHz	1.6400	0.2624	0.4000	Pass
DH1	2402 MHz	0.3850	0.1232	0.4000	Pass
DH5	2441 MHz	2.8800	0.3072	0.4000	Pass
DH3	2441 MHz	1.6400	0.2624	0.4000	Pass
DH1	2441 MHz	0.3850	0.1232	0.4000	Pass
DH5	2480 MHz	2.8800	0.3072	0.4000	Pass
DH3	2480 MHz	1.6400	0.2624	0.4000	Pass
DH1	2480 MHz	0.3850	0.1232	0.4000	Pass



Test Mode :	TX Mode_3Mbps
Test Voltage	AC 120V/60Hz

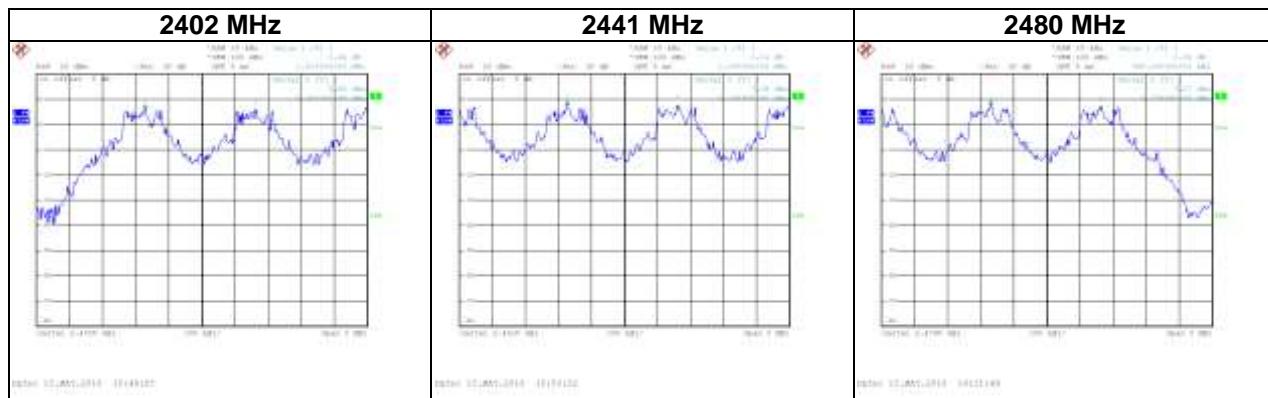
Data Packet	Frequency	Pulse Duration(ms)	Dwell Time(s)	Limits(s)	Test Result
DH5	2402 MHz	2.9200	0.3115	0.4000	Pass
DH3	2402 MHz	1.6400	0.2624	0.4000	Pass
DH1	2402 MHz	0.3900	0.1248	0.4000	Pass
DH5	2441 MHz	2.9200	0.3115	0.4000	Pass
DH3	2441 MHz	1.6400	0.2624	0.4000	Pass
DH1	2441 MHz	0.3900	0.1248	0.4000	Pass
DH5	2480 MHz	2.9200	0.3115	0.4000	Pass
DH3	2480 MHz	1.6400	0.2624	0.4000	Pass
DH1	2480 MHz	0.3900	0.1248	0.4000	Pass



APPENDIX F HOPPING CHANNEL SEPARATION MEASUREMENT

Test Mode :	Hopping on _1Mbps
Test Voltage	AC 120V/60Hz

Frequency (MHz)	Channel Separation (MHz)	2/3 of 20dB Bandwidth (MHz)	Test Result
2402	1.004	0.734	Pass
2441	1.005	0.685	Pass
2480	0.996	0.691	Pass



Test Mode :	Hopping on _3Mbps
Test Voltage	AC 120V/60Hz

Frequency (MHz)	Channel Separation (MHz)	2/3 of 20dB Bandwidth (MHz)	Test Result
2402	0.996	0.895	Pass
2441	1.000	0.885	Pass
2480	0.996	0.888	Pass



APPENDIX G BANDWIDTH

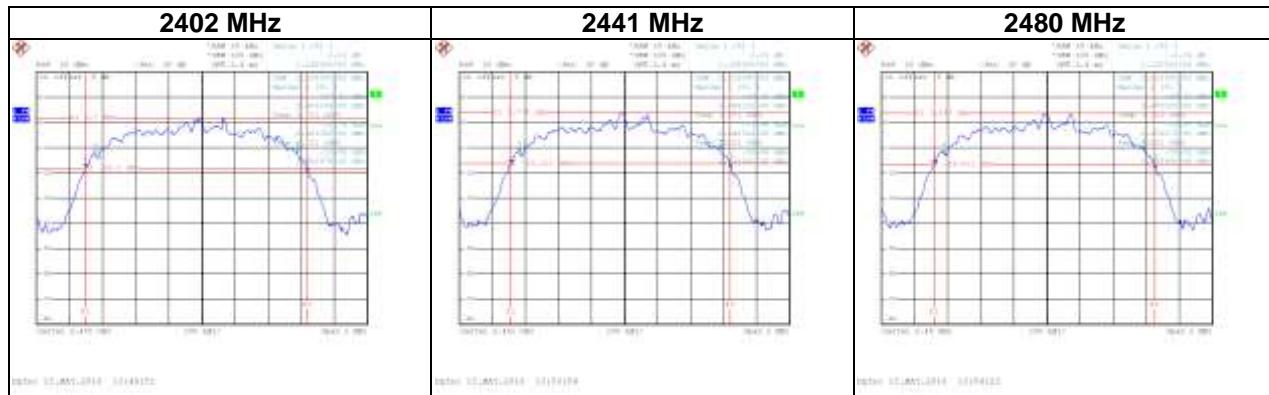
Test Mode :	TX Mode _1Mbps
Test Voltage	AC 120V/60Hz

Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied BW (MHz)	Test Result
2402	1.101	0.956	Pass
2441	1.028	0.960	Pass
2480	1.036	0.984	Pass



Test Mode :	TX Mode _3Mbps
Test Voltage	AC 120V/60Hz

Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied BW (MHz)	Test Result
2402	1.342	1.220	Pass
2441	1.328	1.216	Pass
2480	1.332	1.212	Pass



APPENDIX H OUTPUT POWER

Test Mode :	TX Mode _1Mbps
Test Voltage	AC 120V/60Hz

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	8.40	0.0069	21.00	0.1250	Pass
2441	9.28	0.0085	21.00	0.1250	Pass
2480	9.31	0.0085	21.00	0.1250	Pass



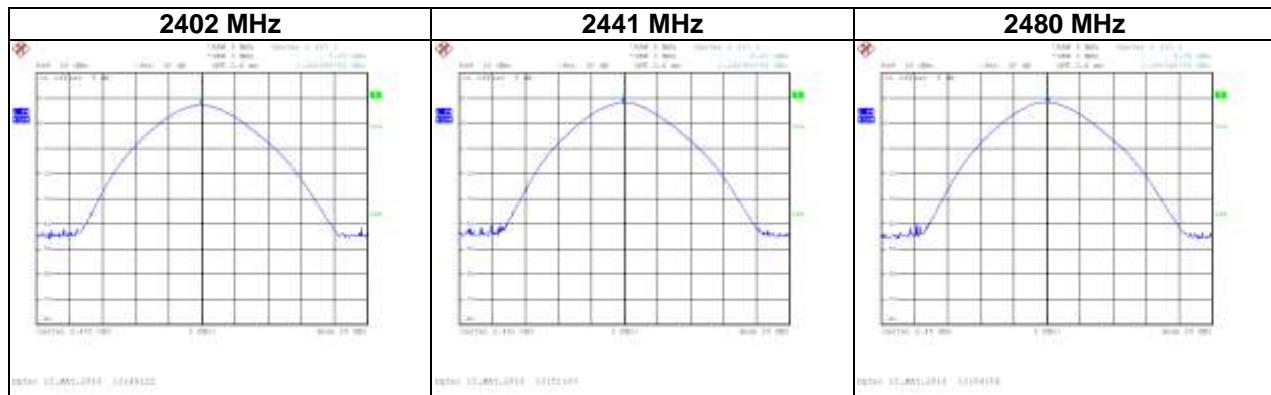
Test Mode :	TX Mode _2Mbps
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	6.67	0.0046	21.00	0.1250	Pass
2441	7.60	0.0058	21.00	0.1250	Pass
2480	7.76	0.0060	21.00	0.1250	Pass



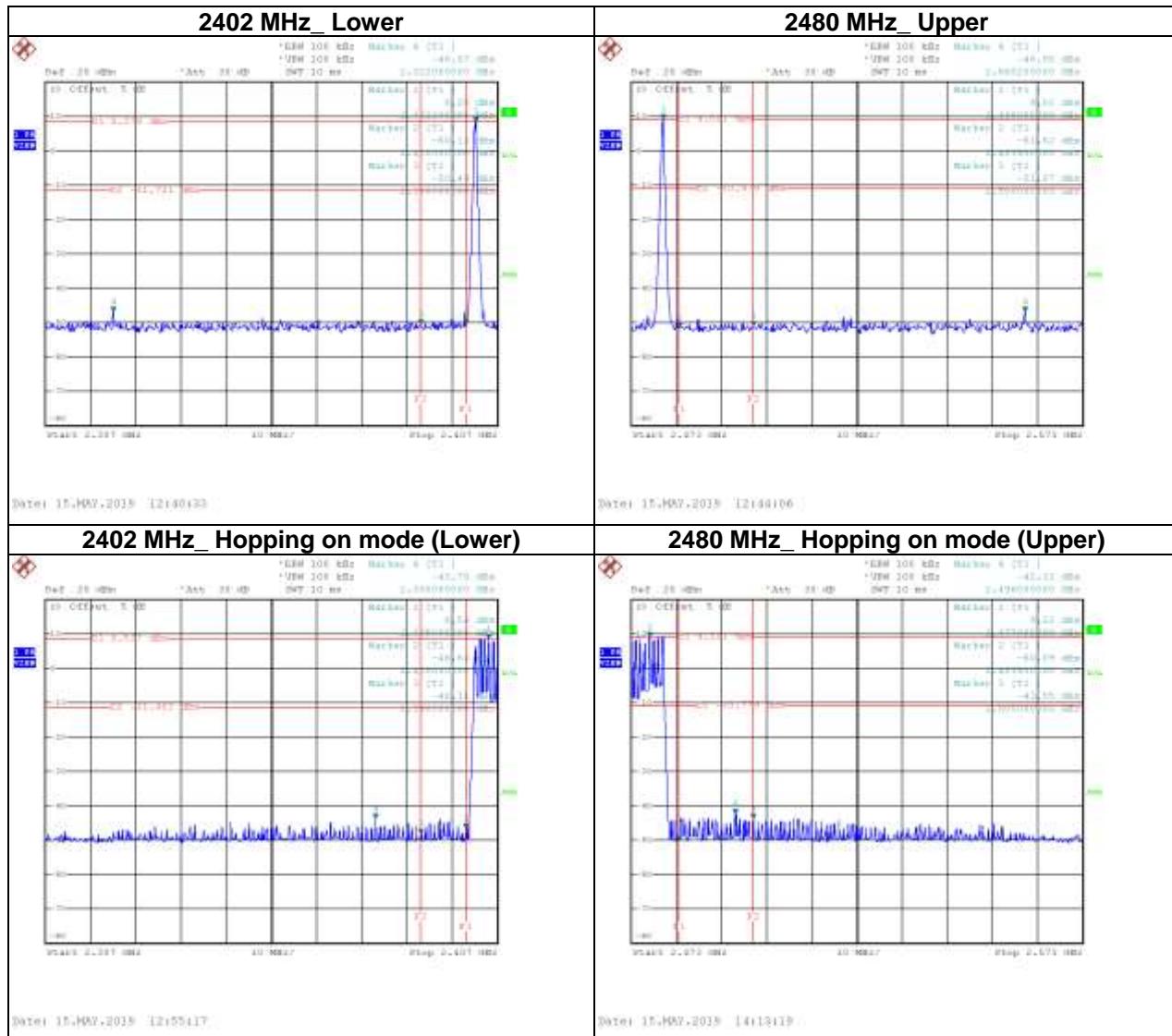
Test Mode :	TX Mode _3Mbps
Test Voltage	AC 120V/60Hz

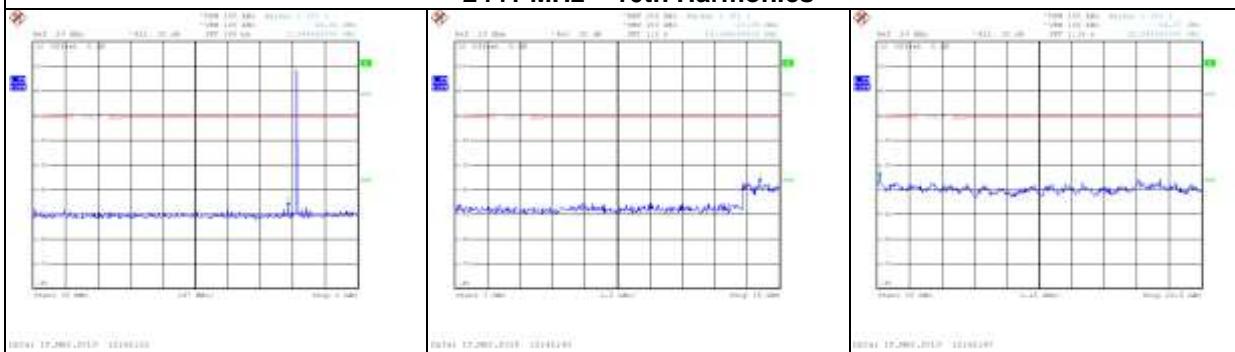
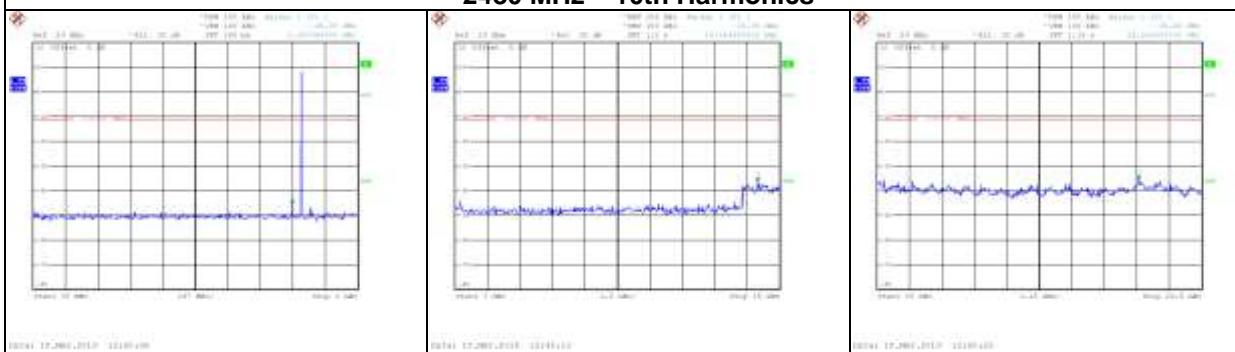
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	7.37	0.0055	21.00	0.1250	Pass
2441	8.22	0.0066	21.00	0.1250	Pass
2480	8.35	0.0068	21.00	0.1250	Pass



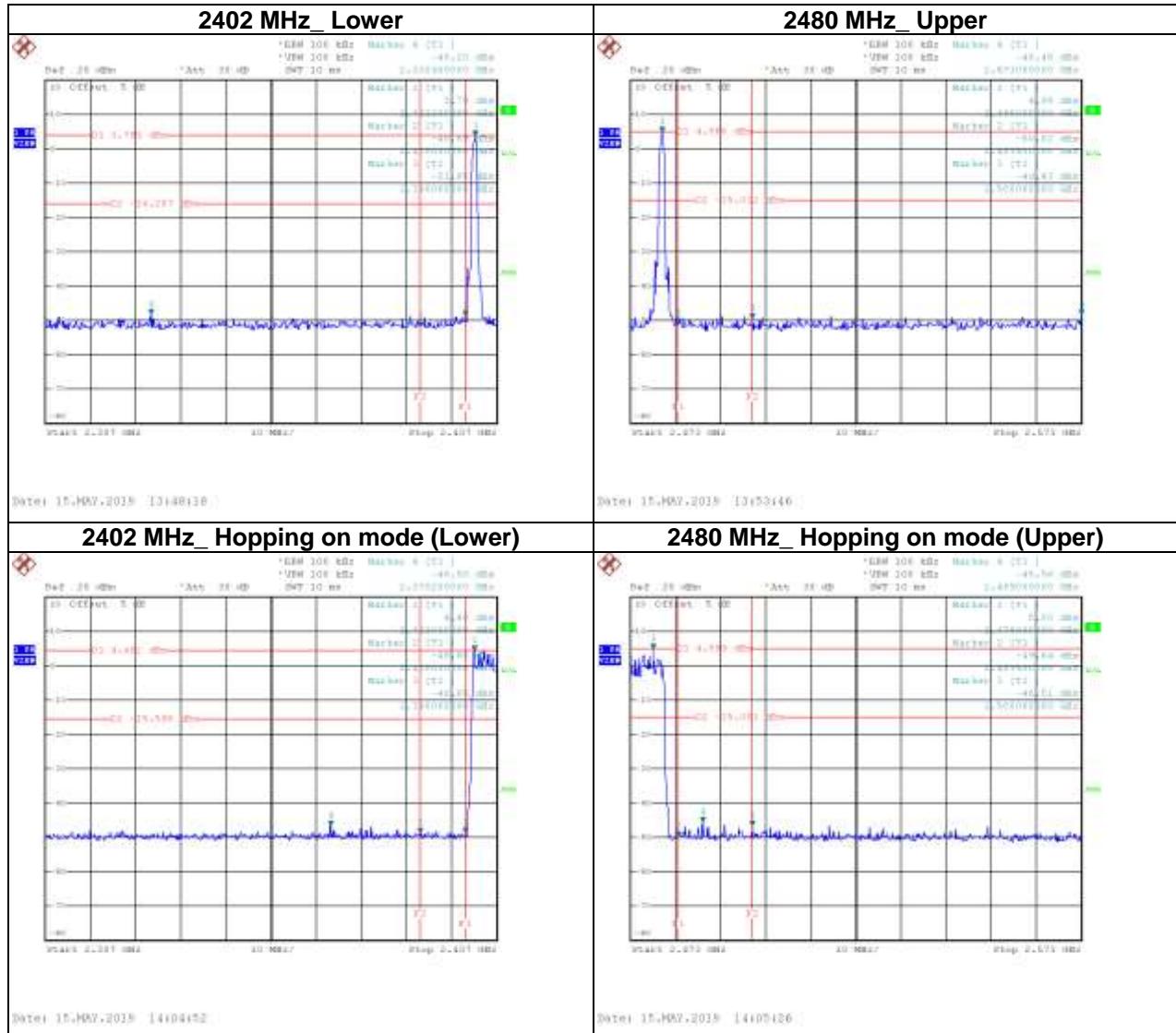
APPENDIX I ANTENNA CONDUCTED SPURIOUS EMISSION

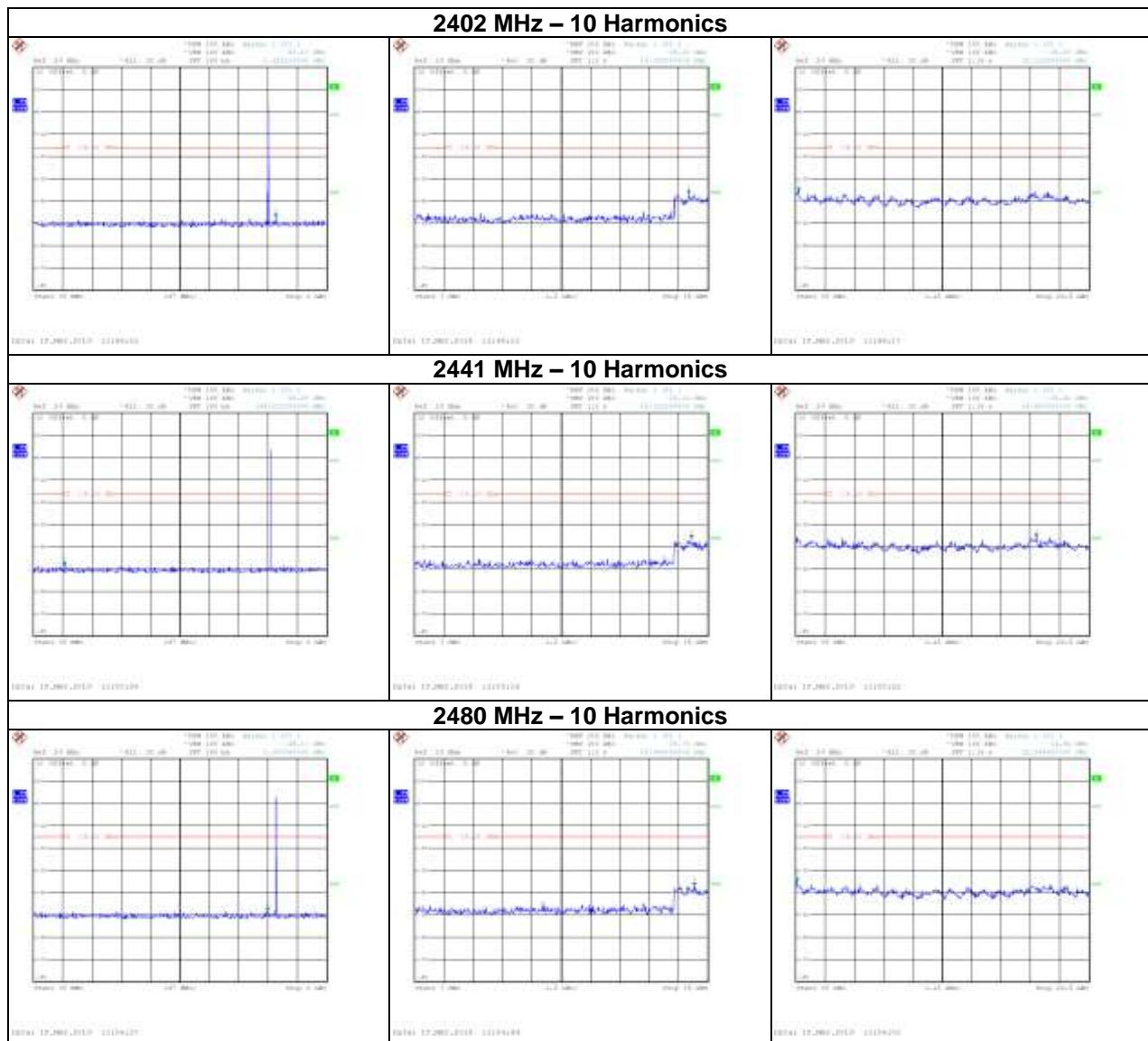
Test Mode	1Mbps
Test Voltage	AC 120V/60Hz



2402 MHz – 10th Harmonics**2441 MHz – 10th Harmonics****2480 MHz – 10th Harmonics**

Test Mode	3Mbps
Test Voltage	AC 120V/60Hz





End of Test Report