FCC   TEST   REPORT(Bluetooth)

for

WeiHeng Digital Company Limited

Table PC

Model Number: CNB14002IS

Serial Number: N140** (The first "*" Express the country,

The second "*"express the serial number)

FCC ID: 2ACH9-CNB14002IS

Prepared for : WeiHeng Digital Company Limited

Address : Rm732, 3rd session, Build B, Mingyou Industrial Products Exhibitionand Purchasing Center, Baoyuan Road, Bao'an District, Shenzhen, China

Prepared by : Keyway Testing Technology Co., Ltd.

Address : Building 1, Baishun Industrial Zone, Zhangmutou Town, Dongguan, Guangdong, China

Tel: 86-769-8718 2258
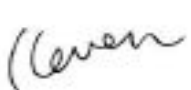Fax: 86-769-8718 1058

Report No.   : 16KWE074021F
Date of Test : Jul. 08~Jul.14, 2016
Date of Report : Jul. 15, 2016

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Keyway Testing Technology Co., Ltd.

Applicant: **Address:**	WeiHeng Digital Company Limited Rm732, 3rd session, Build B, Mingyou Industrial Products Exhibitionand Purchasing Center, Baoyuan Road, Bao'an District, Shenzhen, China
Manufacturer: **Address:**	Jiangxi Wei Heng Digital Company Limited XinYu National High-tech Industrial Development Zone,Xinyu，Jiangxi, China
E.U.T:	Table PC
Model Number:	CNB14002IS
Serial Model:	N140** (The first "*" Express the country,The second "*"express the serial number)
Trade Name: N/A	**Serial No.:** ------
Date of Receipt: Jul. 07, 2016	**Date of Test:** Jul. 08~Jul.14, 2016
Test Specification:	FCC Part 15, Subpart C Section 15.247: 2015 ANSI C63.10:2013
Test Result:	The equipment under test was found to be compliance with the requirements of the standards applied.

Issue Date: Jul. 15, 2016

Tested by:	Reviewed by:	Approved by:
Keven Wu / Engineer	Mike Xu / Supervisor	Andy Gao / Supervisor

Other Aspects:
  None.

Abbreviations: OK/P=passed   fail/F=failed   n.a/N=not applicable   E.U.T=equipment under tested

This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Keyway Testing Technology Co., Ltd.

1. TEST SUMMARY

Test Items	Test Requirement	Result
Conducted Emissions	15.207	PASS
Radiated Emissions	15.205(a)/15.209	PASS
20dB Bandwidth	15.247(a)(1)	PASS
Frequency Separation	15.247(a)(1)	PASS
Maximum Peak Output Power	15.247(b)(1)	PASS
Number of Hopping Frequency	15.247(a)(1)(iii)	PASS
Dwell time	15.247(a)(1)(iii)	PASS
Emissions from out of band	15.247(d)	PASS
Antenna Requirement	15.203	PASS

2.GENERAL PRODUCT INFORMATION

2.1. Product Function

Refer to Technical Construction Form and User Manual.

2.2. Description of Device (EUT)

Product Name:	Table PC
Model No.:	CNB14002IS
Serial Model:	N140** (The first "*" Express the country,The second "*"express the serial number)
Model Difference	All the models are the same circuit and RF module, except the model names and colour.
Operation Frequency:	2402MHz ~2480MHz
Channel numbers:	79 Channels
Channel spacing	1MHz
Modulation technology:	BT(1Mbps): GFSK BT EDR(2Mbps): π/4-DQPSK BT EDR(3Mbps): 8-DPSK
Bit Rate of Transmitter	1Mbps/2Mbps/3Mbps
Antenna Type:	FPCB antenna
Antenna gain:	2.0dBi
Power supply:	DC 3.8V or DC 5V from adapter
Adapter:	Model:KSAS0150500300HU INPUT:100-240V~50/60Hz 0.4A OUTPUT:5V,3A

2.3. Difference between Model Numbers

None.

2.4. Independent Operation Modes

The basic operation modes are:

2.4.1. EUT work BT mode and Test mode as below:

Pretest Mode	Description
Mode 1	CH00
Mode 2	CH39
Mode 3	CH78
Mode 4	BT link

2.5. Test Supporting System

.
N/A

2.6. Test Facilities

Lab Qualifications :   944 Shielded Room built by ETS-Lindgren, USA
Date of completion: March 28, 2011

966 Chamber built by ETS-Lindgren, USA
Date of completion: March 28, 2011

Certificated by TUV Rheinland, Germany.
Registration No.: UA 50207153
Date of registration: July 13, 2011

Certificated by UL, USA
Registration No.: 100567-237
Date of registration: September 1, 2011

Certificated by Intertek
Registration No.: 2011-RTL-L1-31
Date of registration: October 11, 2011

Certificated by Industry Canada
Registration No.: 9868A
Date of registration: December 8, 2011

Certificated by FCC, USA
Registration No.: 370994
Date of registration: February 21, 2012

Certificated by CNAS China
Registration No.: CNAS L5783
Date of registration: August 8, 2012

Name of Firm   :   Keyway Testing Technology Co., Ltd.

Site Location   :   Building 1, Baishun Industrial Zone, Zhangmutou
Town, Dongguan, Guangdong, China

2.7. List of Test and Measurement Instruments

2.7.1. For conducted emission at the mains terminals test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESCI	101156	Apr. 09,16	Apr. 09,17
Artificial Mains Network	Rohde&Schwarz	ENV216	101315	Apr. 09,16	Apr. 09,17
RF Cable	FUJIKURA	3D-2W	944 Cable	Apr. 09,16	Apr. 09,17

2.7.2. For radiated emission test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESCI	101156	Apr. 09,16	Apr. 09,17
Bilog Antenna	ETS-LINDGREEN	3142D	135452	Apr. 09,16	Apr. 09,17
Spectrum Analyzer	Agilent	E4411B	MY4511304	Apr. 09,16	Apr. 09,17
3m Semi-anechoic Chamber	ETS-LINDGREEN	966	KW01	Apr. 09,16	Apr. 09,17
Signal Amplifier	SONOMA	310	187016	Apr. 09,16	Apr. 09,17
Signal Amplifier	Agilent	8449B	3008A00251	Apr. 09,16	Apr. 09,17
RF Cable	IMRO	IMRO-400	966 Cable 1#	N/A	N/A
MULTI-DEVICE Controller	ETS-LINDGREEN	2090	126913	N/A	N/A
Horn Antenna	SCHWARZBECK	BBHA9170	9170-068	Apr. 09,16	Apr. 09,17
Spectrum Analyzer	Agilent	E4408B	MY44211125	Apr. 09,16	Apr. 09,17
High Pass filter	Micro	HPM50111	324216	Apr. 09,16	Apr. 09,17
Constant temperature and humidity box	GF	GTH-800-40-1P	MAA9906-005	Apr. 09,16	Apr. 09,17
Attenuation	MCE	24-10-34	BN9258	Apr. 02,16	Apr. 02,17
Loop Antenna	ARA	PLA-1030/B	1029	Apr. 02,16	Apr. 02,17

3. TEST SET-UP AND OPERATION MODES

3.1. Principle of Configuration Selection

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the Operating Instructions.

3.2. Block Diagram of Test Set-up

System Diagram of Connections between EUT and Simulators

EUT

(EUT: Table PC)

3.3. Test Operation Mode and Test Software

None.

3.4. Special Accessories and Auxiliary Equipment

Adapter:	Model:KSAS0150500300HU INPUT:100-240V~50/60Hz 0.4A OUTPUT:5V,3A

3.5. Countermeasures to Achieve EMC Compliance

None.

3.6. Test Environment:

Ambient conditions in the test laboratory:

Items	Actual
Temperature (℃)	21~23
Humidity (%RH)	50~65

4. MAXIMUM PEAK OUTPUT POWER

4.1. Limits

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247 (b)(i)	Peak Output Power	0.125 w or 20.96dBm	2400-2483.5	PASS

4.2. 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 > the 20 dB bandwidth of the emission being measured
Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel
VBW $\geq$ RBW

Sweep = auto
Detector function = peak
Trace = max hold

4.3. Test setup

Test data:

1Mbps			
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)
CH00	2402	1.791	30
CH39	2441	2.924	30
CH78	2480	2.783	30
2Mbps			
CH00	2402	-0.565	20.96
CH39	2441	1.021	20.96
CH78	2480	0.861	20.96
3Mbps			
CH00	2402	0.301	20.96
CH39	2441	1.473	20.96
CH78	2480	1.345	20.96

CH00 -1Mbps

CH39 -1Mbps

CH78 -1Mbps

CH00 -2Mbps

CH39 -2Mbps

```
☼ Agilent                                                    L     │ Freq/Channel
                                              Mkr1  2.440875 GHz    ├─────────────
 Ref 15 dBm        #Atten 15 dB                     1.021 dBm       │  Center Freq
 Peak                                                              │ 2.44100000 GHz
 Log                                                               ├─────────────
 10                             1                                  │   Start Freq
 dB/                            ◇                                  │ 2.43600000 GHz
                                                                   ├─────────────
                                                                   │    Stop Freq
                                                                   │ 2.44600000 GHz
                                                                   ├─────────────
                                                                   │     CF Step
 M1 S2                                                             │ 1.00000000 MHz
 S3 FC                                                             │ Auto      Man
   AA                                                              ├─────────────
                                                                   │  Freq Offset
                                                                   │ 0.00000000 Hz
                                                                   ├─────────────
                                                                   │ Signal Track
                                                                   │ On        Off
                                                                   ├─────────────
 Center 2.441 GHz                         Span 10 MHz              │  Scale Type
 #Res BW 3 MHz      #VBW 3 MHz     Sweep 4 ms (401 pts)            │ Log       Lin
```

CH78 -2Mbps

```
☼ Agilent                                                    L     │ Freq/Channel
                                              Mkr1  2.479825 GHz    ├─────────────
 Ref 15 dBm        #Atten 15 dB                     0.861 dBm       │  Center Freq
 Peak                                                              │ 2.48000000 GHz
 Log                                                               ├─────────────
 10                             1                                  │   Start Freq
 dB/                            ◇                                  │ 2.47500000 GHz
                                                                   ├─────────────
                                                                   │    Stop Freq
                                                                   │ 2.48500000 GHz
                                                                   ├─────────────
                                                                   │     CF Step
 M1 S2                                                             │ 1.00000000 MHz
 S3 FC                                                             │ Auto      Man
   AA                                                              ├─────────────
                                                                   │  Freq Offset
                                                                   │ 0.00000000 Hz
                                                                   ├─────────────
                                                                   │ Signal Track
                                                                   │ On        Off
                                                                   ├─────────────
 Center 2.48 GHz                          Span 10 MHz              │  Scale Type
 #Res BW 3 MHz      #VBW 3 MHz     Sweep 4 ms (401 pts)            │ Log       Lin
```

CH00 -3Mbps

CH39 -3Mbps

CH78 -3Mbps

5. EMISSION TEST RESULTS

5.1. Conducted Emission at the Mains Terminals Test

5.1.1. Limit 15.207 limits

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	Quasi-peak	Average
0.15-0.5 0.5-5 5-30	66 to 56 56 60	56 to 46 46 50

5.1.2. Test Setup

The EUT was put on a wooden table which was 0.8 m high above the ground and connected to the AC mains through the Artificial Mains Network (AMN). Where the mains cable supplied by the manufacture was longer than 0.8 m, the excess was folded back and forth parallel to the cable at the center so as to form a bundle no longer than 0.4 m.

The EUT was kept 0.4 m from any other earthed conducting surface. Both sides of AC line were checked to find out the maximum conducted emission levels according to the test procedure during the conducted emission test.

The frequency range from 150 kHz to 30 MHz was investigated.

The bandwidth of the test receiver was set at 9 kHz.

Pretest for all mode, The test data of the worst case condition(s) was reported on the following page.
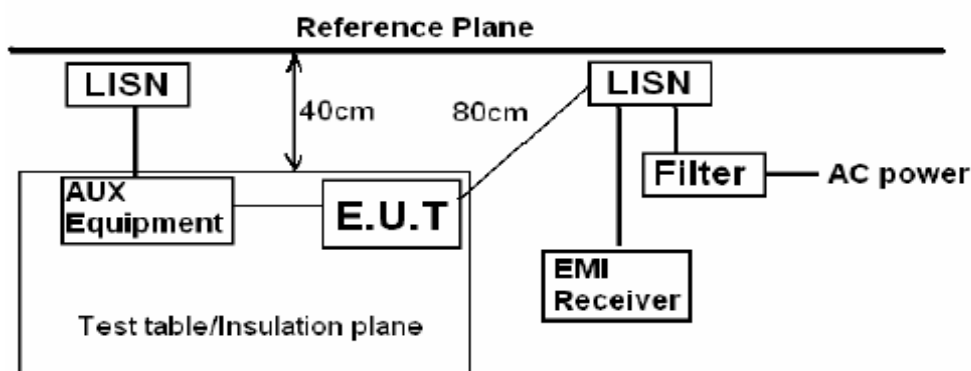
Remark:
E.U.T: Equipment Under Test
LISN: Line Impedence Stabilization Network
Test table height=0.8m

5.1.3. Test result

EUT：	Table PC	Model Name ：	CNB14002IS
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 5.0V form Adapter AC 120V/60Hz	Test Mode：	Mode 4
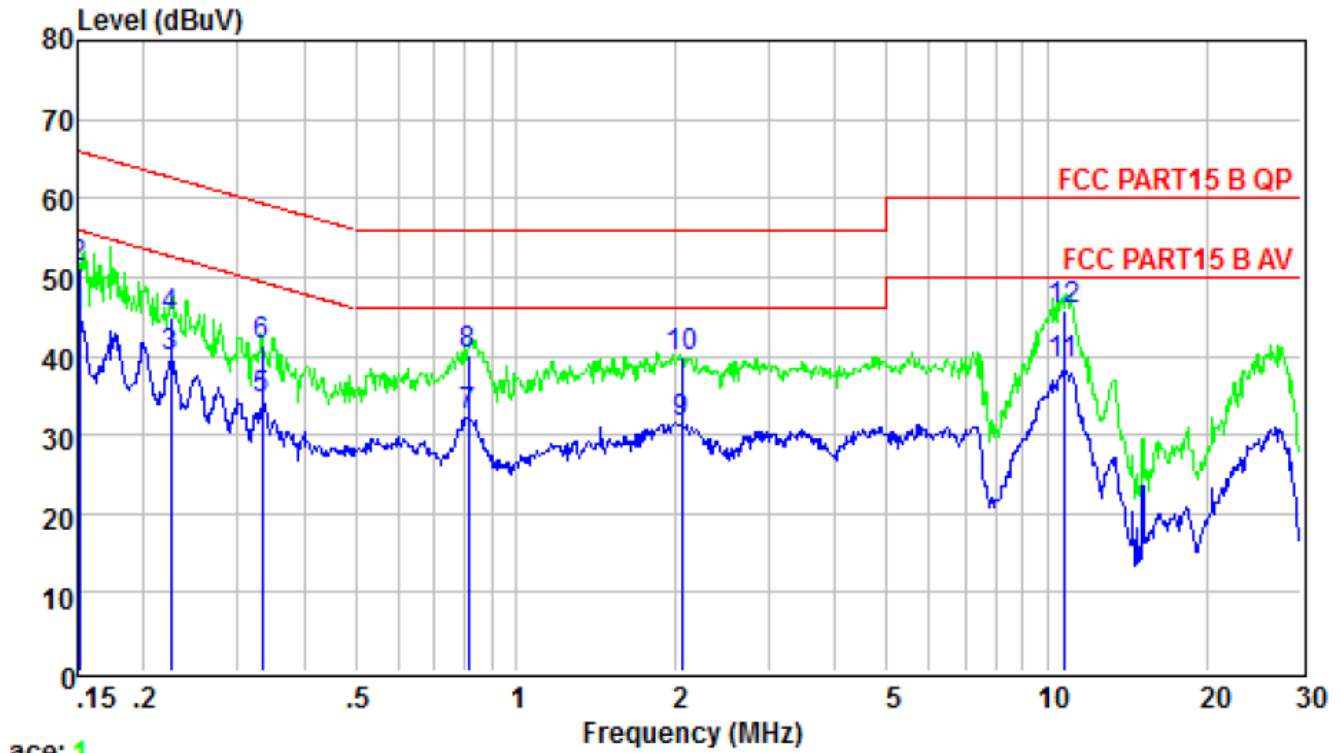
	Freq	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	
1	0.151	44.79	55.96	-11.17	Average
2	0.151	51.17	65.96	-14.79	QP
3	0.224	39.73	52.66	-12.93	Average
4	0.224	45.03	62.66	-17.63	QP
5	0.334	34.48	49.35	-14.87	Average
6	0.334	41.45	59.35	-17.90	QP
7	0.813	32.56	46.00	-13.44	Average
8	0.813	40.20	56.00	-15.80	QP
9	2.055	31.61	46.00	-14.39	Average
10	2.055	39.86	56.00	-16.14	QP
11	10.733	38.89	50.00	-11.11	Average
12	10.733	45.83	60.00	-14.17	QP

EUT：	Table PC	Model Name ：	CNB14002IS
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 5.0V form Adapter AC 120V/60Hz	Test Mode：	Mode 4

Trace: 3
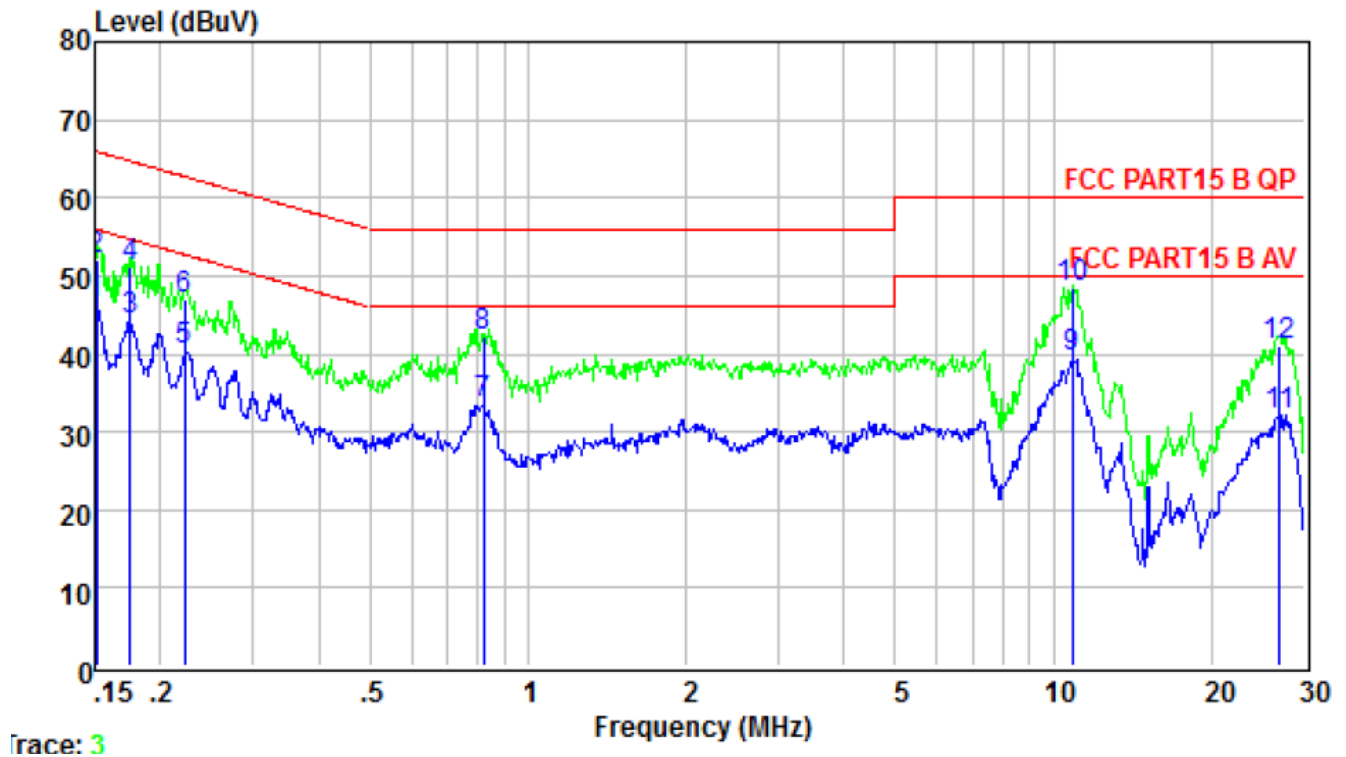
	Freq	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	
1	0.151	46.34	55.96	-9.62	Average
2	0.151	52.12	65.96	-13.84	QP
3	0.175	44.26	54.72	-10.46	Average
4	0.175	51.09	64.72	-13.63	QP
5	0.222	40.43	52.74	-12.31	Average
6	0.222	47.03	62.74	-15.71	QP
7	0.822	33.73	46.00	-12.27	Average
8	0.822	42.10	56.00	-13.90	QP
9	10.847	39.55	50.00	-10.45	Average
10	10.847	48.34	60.00	-11.66	QP
11	26.841	32.01	50.00	-17.99	Average
12	26.841	41.09	60.00	-18.91	QP

EUT：	Table PC	Model Name ：	CNB14002IS
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 5.0V form Adapter AC 240V/60Hz	Test Mode：	Mode 4

ace: 5
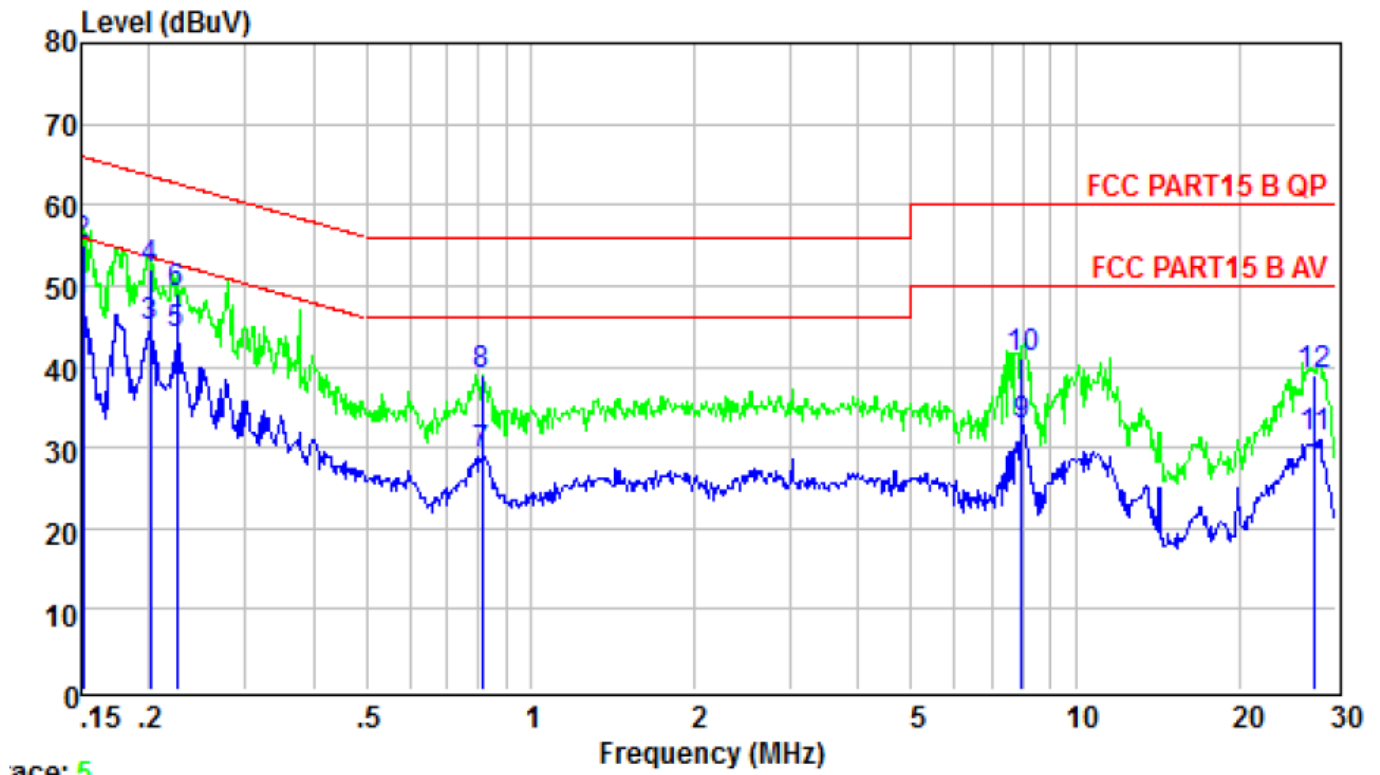
	Freq	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	
1	0.151	48.06	55.96	-7.90	Average
2	0.151	55.00	65.96	-10.96	QP
3	0.201	44.86	53.58	-8.72	Average
4	0.201	51.98	63.58	-11.60	QP
5	0.224	43.93	52.66	-8.73	Average
6	0.224	49.04	62.66	-13.62	QP
7	0.813	29.27	46.00	-16.73	Average
8	0.813	38.93	56.00	-17.07	QP
9	7.977	32.58	50.00	-17.42	Average
10	7.977	40.94	60.00	-19.06	QP
11	27.416	31.30	50.00	-18.70	Average
12	27.416	38.92	60.00	-21.08	QP

EUT：	Table PC	Model Name ：	CNB14002IS
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 5.0V form Adapter AC 240V/60Hz	Test Mode：	Mode 4

ace: 7
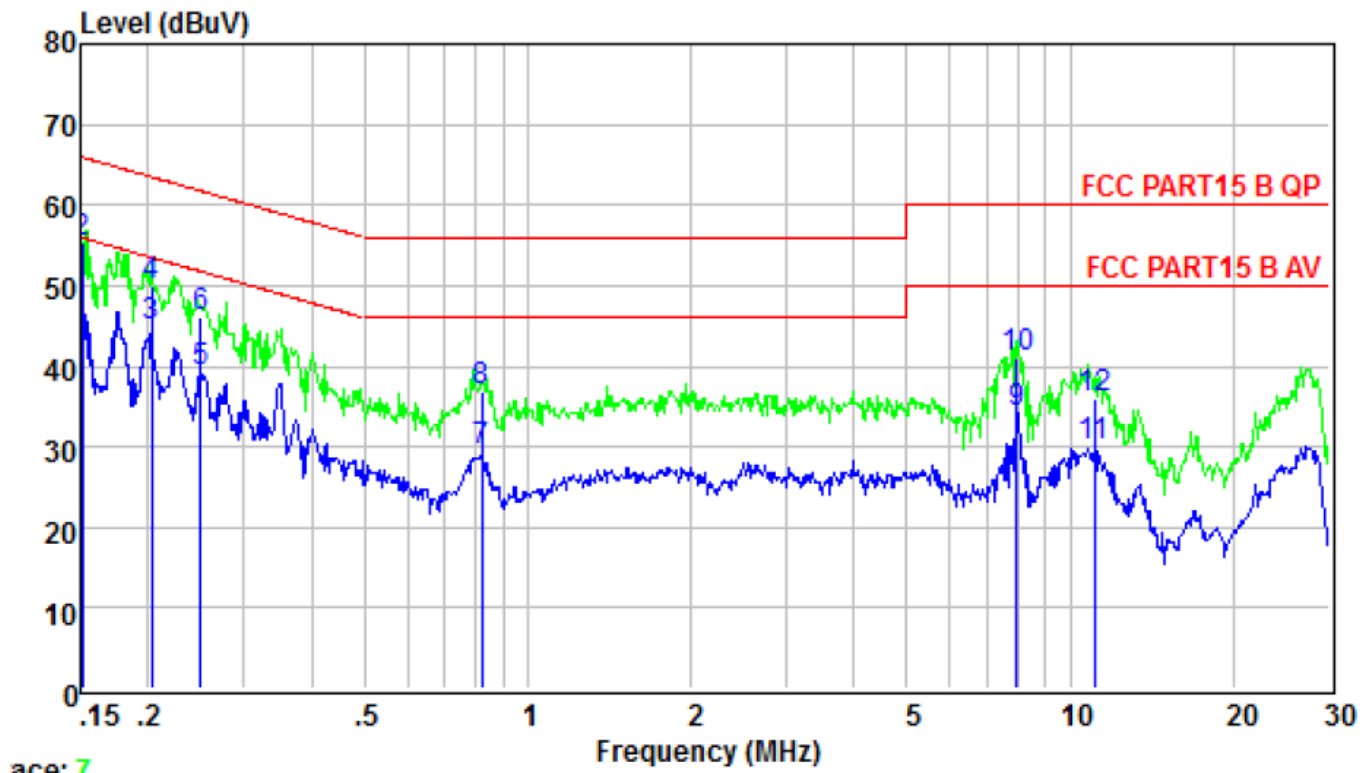
```
                                   Limit    Over
                 Freq    Level     Line    Limit   Remark

                 MHz     dBuV      dBuV      dB

          1     0.151    51.50     55.96    -4.46   Average
          2     0.151    55.30     65.96   -10.66   QP
          3     0.203    44.97     53.49    -8.52   Average
          4     0.203    50.03     63.49   -13.46   QP
          5     0.249    39.16     51.78   -12.62   Average
          6     0.249    46.09     61.78   -15.69   QP
          7     0.822    29.31     46.00   -16.69   Average
          8     0.822    37.01     56.00   -18.99   QP
          9     7.977    34.10     50.00   -15.90   Average
         10     7.977    41.09     60.00   -18.91   QP
         11    11.080    30.01     50.00   -19.99   Average
         12    11.080    36.02     60.00   -23.98   QP
```

5.2. Radiated Emission Test

5.2.1. Limit 15.209 limits

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		µV/m	dB(µV)/m
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(µV)/m (Peak) 54.0 dB(µV)/m (Average)	

5.2.2. Restricted bands of operation

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1]0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

5.2.3. Test setup

The EUT was placed on a turn table which was 0.8 m above the ground blow 1G and 1.5m above 1G. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was set 3 m away from the receiving antenna which was mounted on an antenna tower. The measuring antenna moved up and down to find out the maximum emission level. It moved from 1 m to 4 m for both horizontal and vertical polarizations.

The EUT was tested in the Chamber Site. It was pre-scanned with a Peak detector from the spectrum, and all the final readings from the test receiver were measured with the Quasi-Peak detector.

The bandwidth of the EMI test receiver is set at 120kHz for frequency range from 30MHz to 1000 MHz.

The bandwidth of the Spectrum's VBW is set at 3MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure above 1GHz, the EUT was placed on a turn table which was 1.5 m above the ground, for all test, used peak detector.

The frequency range from 30MHz to 10th harmonic (25GHz) are checked. and no any emissions were found from 18GHz to 25 GHz, So the radiated emissions from 18GHz to 25GHz were not record.

Notes: 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading-Preamp Factor.

2. Measurement Uncertainty: ±3.2 dB at a level of confidence of 95%.

3. For emissions above 1GHz, if peak level comply with average limit, then the average level is deemed to comply with average limit.

4. For emissions below 1GHz, pretest for all mode, The test data of the worst case condition(s) was reported on the following pages.
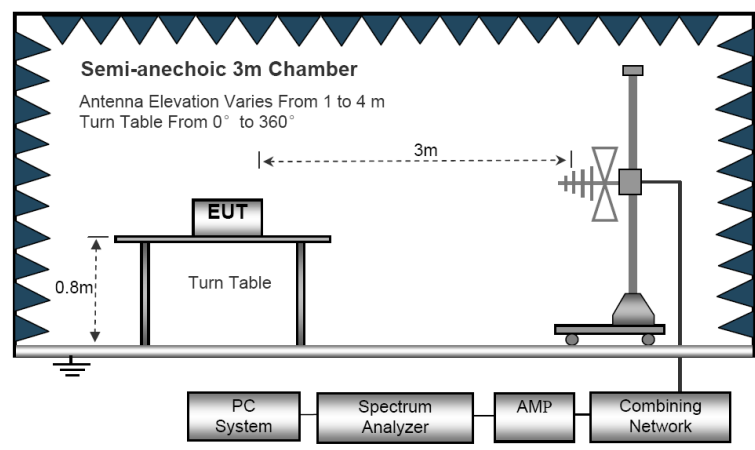
5.EUT Pre-scan X/Y/Z orientation, only worst case is presented in the report (Z orientation).

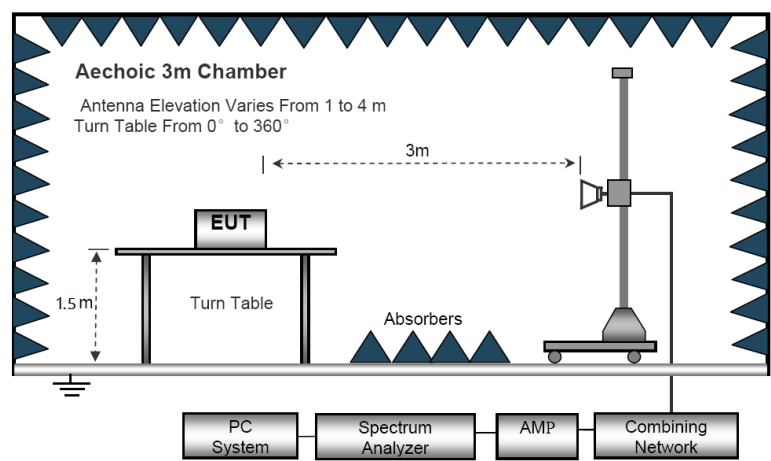6.We pretest all modulation, The worst was GFSK, the worst data was show in the report.

Radiated Emission Test-Up Frequency Below 30MHz
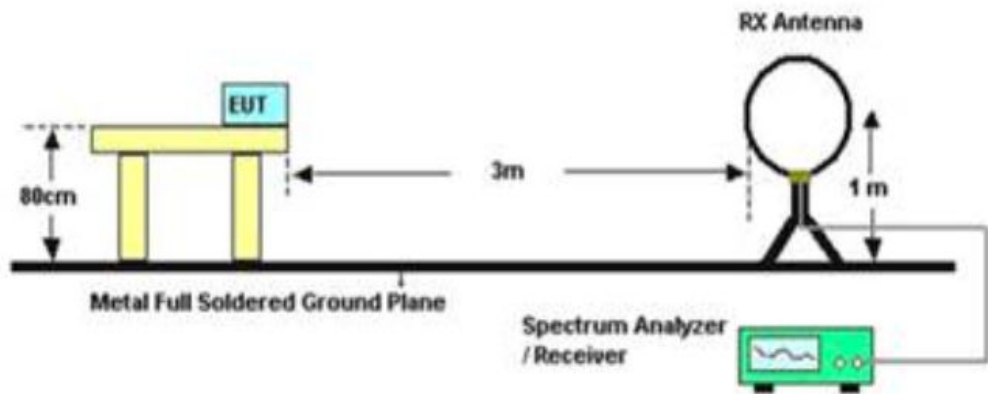
30MHz- 1GHz

Above 1GHz

EUT：	Table PC	Model Name ：	CNB14002IS
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010hPa	Test Mode：	TX
Test Voltage ：	DC 3.8V		

Below 30MHz

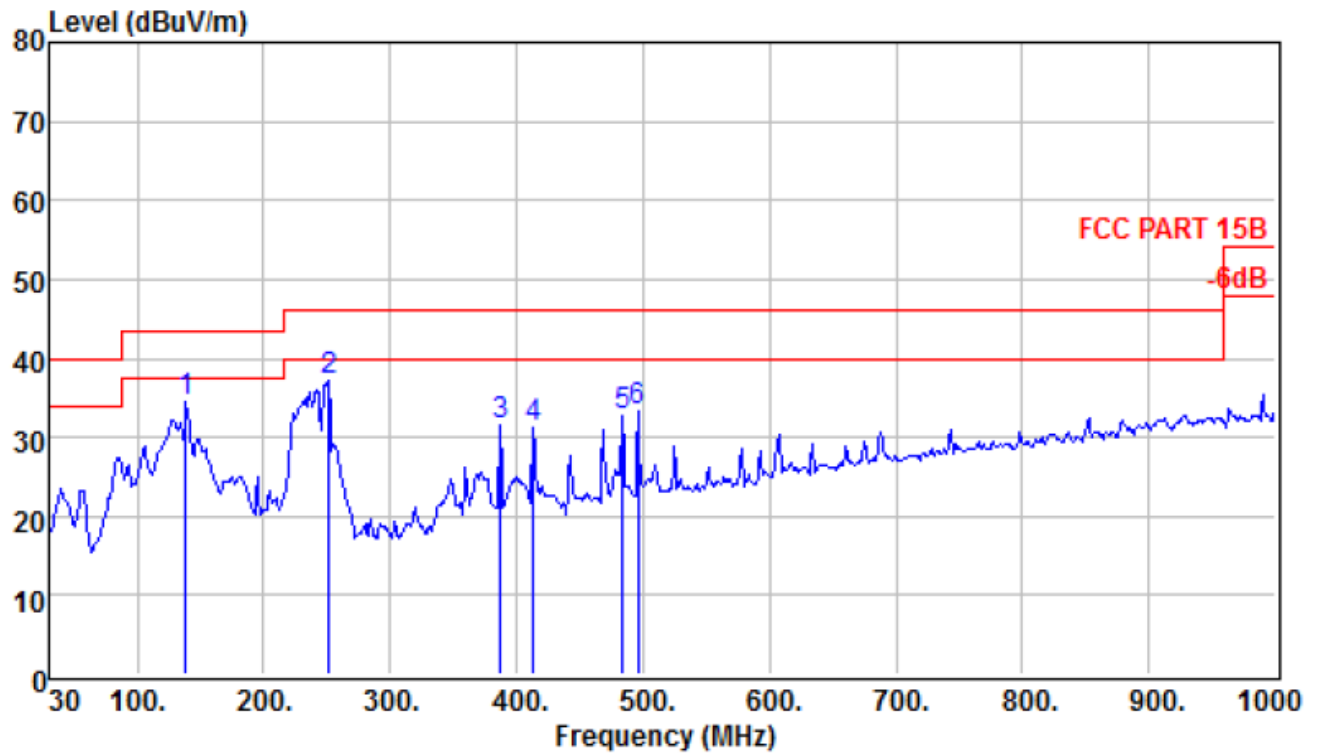| Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
--	--	--	--	P
--	--	--	--	P

Note:

   The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

   Distance extrapolation factor =40 log (specific distance/test distance)(dB);

   **Limit line = specific limits(dBuv) + distance extrapolation factor.**

EUT：	Table PC	Model Name ：	CNB14002IS
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010hPa	Test Mode：	TX
Test Voltage ：	3.8V		

30- 1GHz

Vertical


```
              Read Preamp  CableAntenna          Limit   Over
        Freq  Level Factor  Loss Factor   Level   Line   Limit Remark

        MHz    dBuV     dB     dB   dB/m dBuV/m dBuV/m     dB
      ─────────────────────────────────────────────────────────────
 1  138.640  56.24  31.21   1.22   8.39  34.64  43.50  -8.86 QP
 2  251.160  53.51  30.97   1.70  12.90  37.14  46.00  -8.86 QP
 3  386.960  43.55  30.62   2.27  16.24  31.44  46.00 -14.56 QP
 4  413.150  42.55  30.63   2.48  16.72  31.12  46.00 -14.88 QP
 5  483.960  42.16  30.59   2.77  18.44  32.78  46.00 -13.22 QP
 6  495.600  42.38  30.59   2.77  18.63  33.19  46.00 -12.81 QP
```
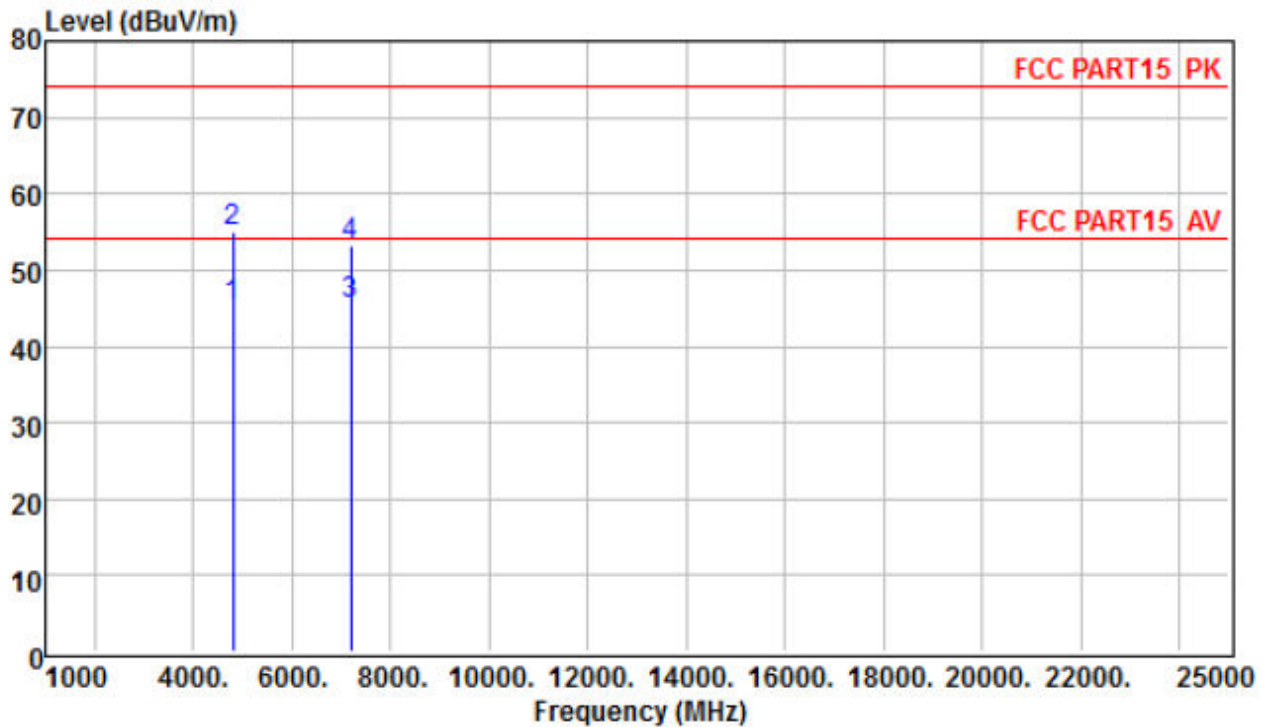
Horizontal
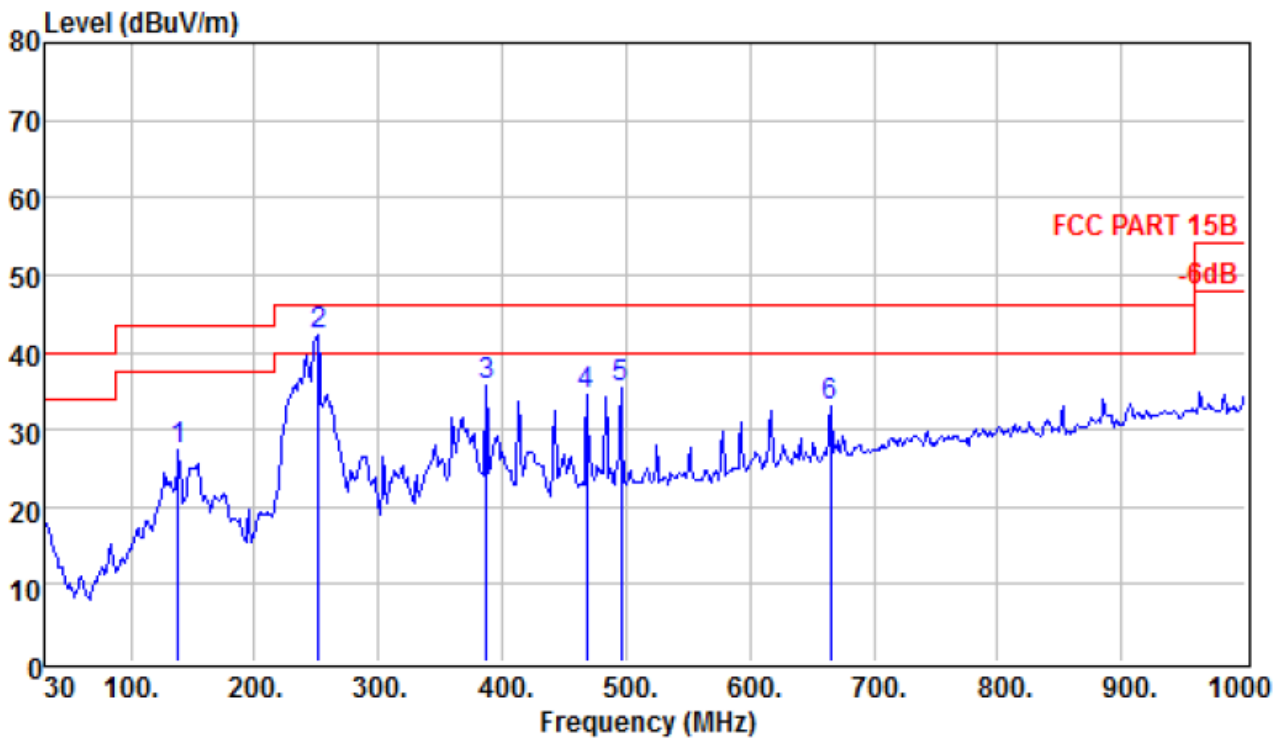
	Freq	Read Level	Preamp Factor	Cable Loss	Antenna Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB/m	dBuV/m	dBuV/m	dB	
1	138.640	49.00	31.21	1.22	8.39	27.40	43.50	-16.10	QP
2 !	251.160	58.66	30.97	1.70	12.90	42.29	46.00	-3.71	QP
3	386.960	47.88	30.62	2.27	16.24	35.77	46.00	-10.23	QP
4	468.440	44.35	30.60	2.69	18.12	34.56	46.00	-11.44	QP
5	495.600	44.45	30.59	2.77	18.63	35.26	46.00	-10.74	QP
6	665.350	38.27	30.80	3.69	21.77	32.93	46.00	-13.07	QP

NOTE:
Absolute Level= ReadingLevel+antenna Factor+cable loss-preamp factor,
Over Limit= Absolute Level – Limit
1Mbps (Middle channel) is the worst mode, only worst data is presented in the report.

Above 1GHz

EUT：	Table PC	Model Name ：	CNB14002IS
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010hPa	Test Mode：	TX-2402
Test Voltage ：	DC 3.8V		

Vertical

	Freq MHz	Read Level dBuV	Preamp Factor dB	Cable Loss dB	Antenna Factor dB/m	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Remark
1	4804.000	27.94	27.49	11.96	32.94	45.35	54.00	-8.65	Average
2	4804.000	37.75	27.49	11.96	32.94	55.16	74.00	-18.84	Peak
3	7206.000	31.65	27.94	16.61	25.28	45.60	54.00	-8.40	Average
4	7206.000	39.34	27.94	16.61	25.28	53.29	74.00	-20.71	Peak

Horizontal
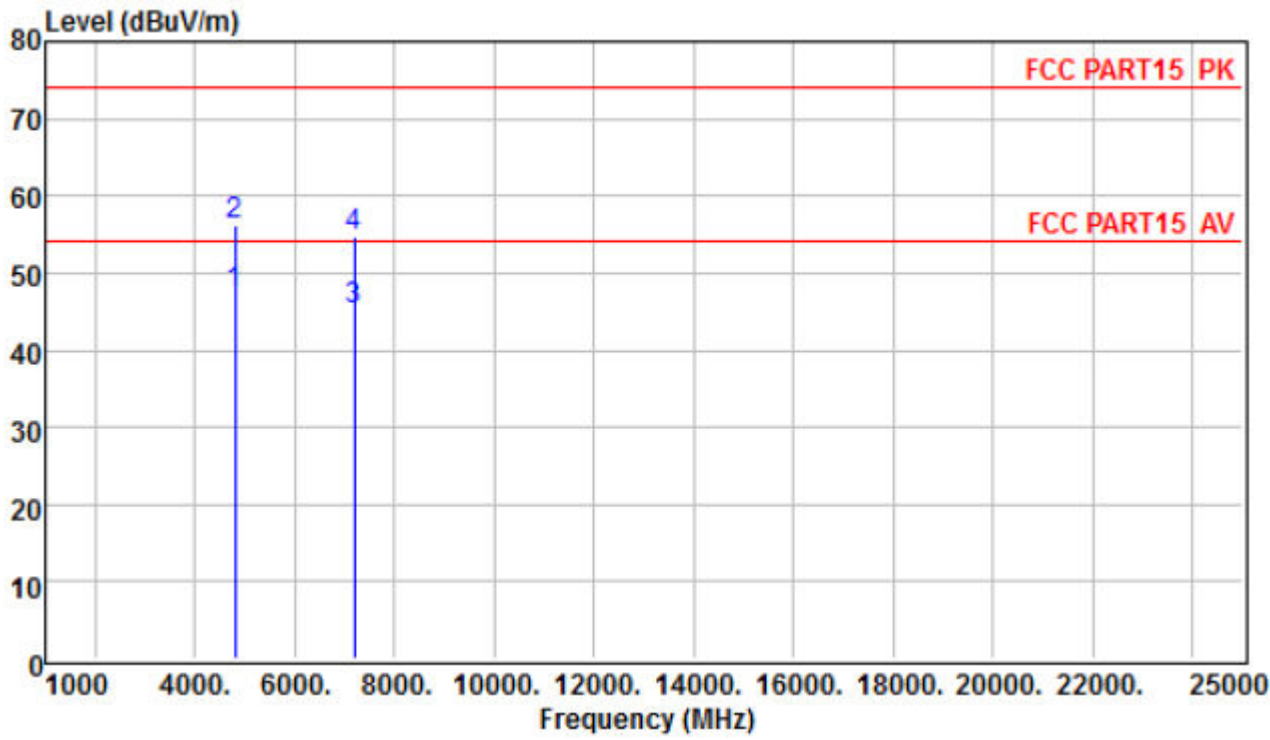
	Freq	Read Level	Preamp Factor	Cable Loss	Antenna Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB/m	dBuV/m	dBuV/m	dB	
1	4804.000	29.94	27.49	11.96	32.94	47.35	54.00	-6.65	Average
2	4804.000	38.92	27.49	11.96	32.94	56.33	74.00	-17.67	Peak
3	7206.000	31.11	27.94	16.61	25.28	45.06	54.00	-8.94	Average
4	7206.000	40.76	27.94	16.61	25.28	54.71	74.00	-19.29	Peak

EUT：	Table PC	Model Name ：	CNB14002IS
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010hPa	Test Mode：	TX-2441
Test Voltage ：	DC 3.8V		
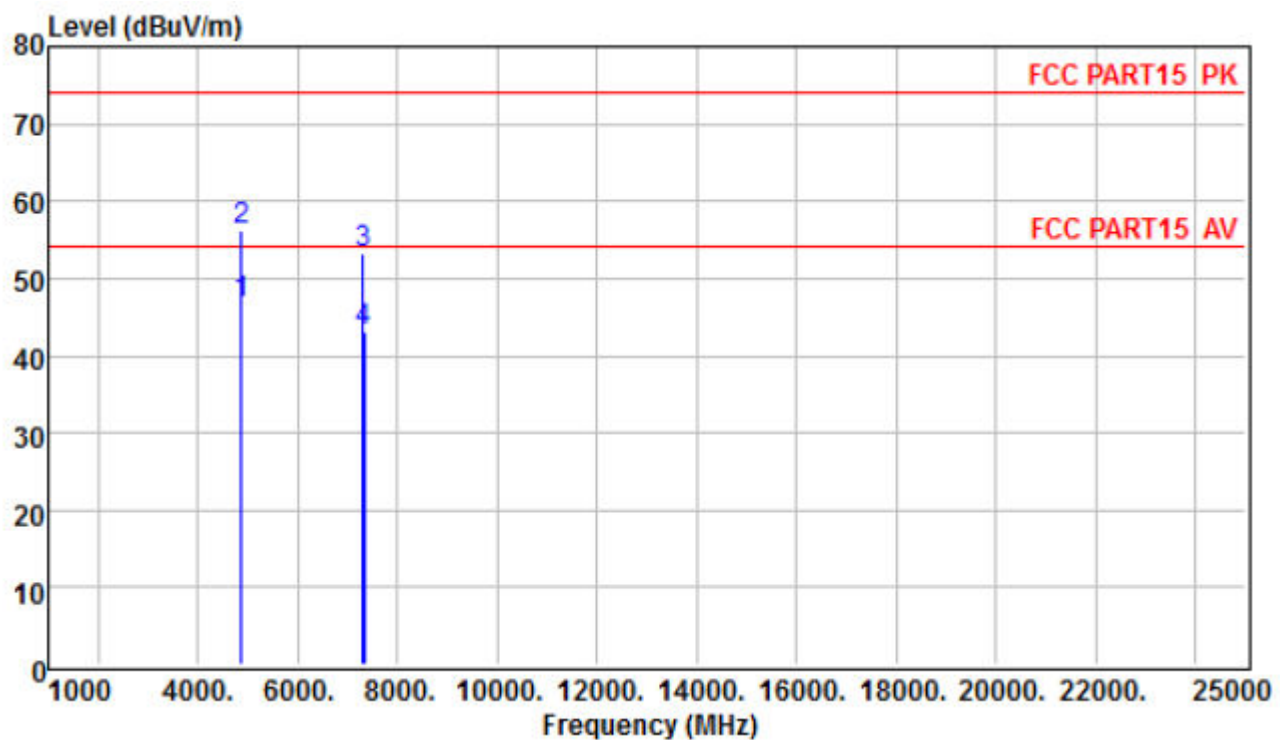
Vertical

	Freq	Read Level	Preamp Factor	Cable Loss	Antenna Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB/m	dBuV/m	dBuV/m	dB	
1	4882.000	30.07	27.53	12.14	32.11	46.79	54.00	-7.21	Average
2	4882.000	39.34	27.53	12.14	32.11	56.06	74.00	-17.94	Peak
3	7320.000	40.15	27.96	16.62	24.33	53.14	74.00	-20.86	Peak
4	7323.000	30.13	27.96	16.62	24.33	43.12	54.00	-10.88	Average

Horizontal
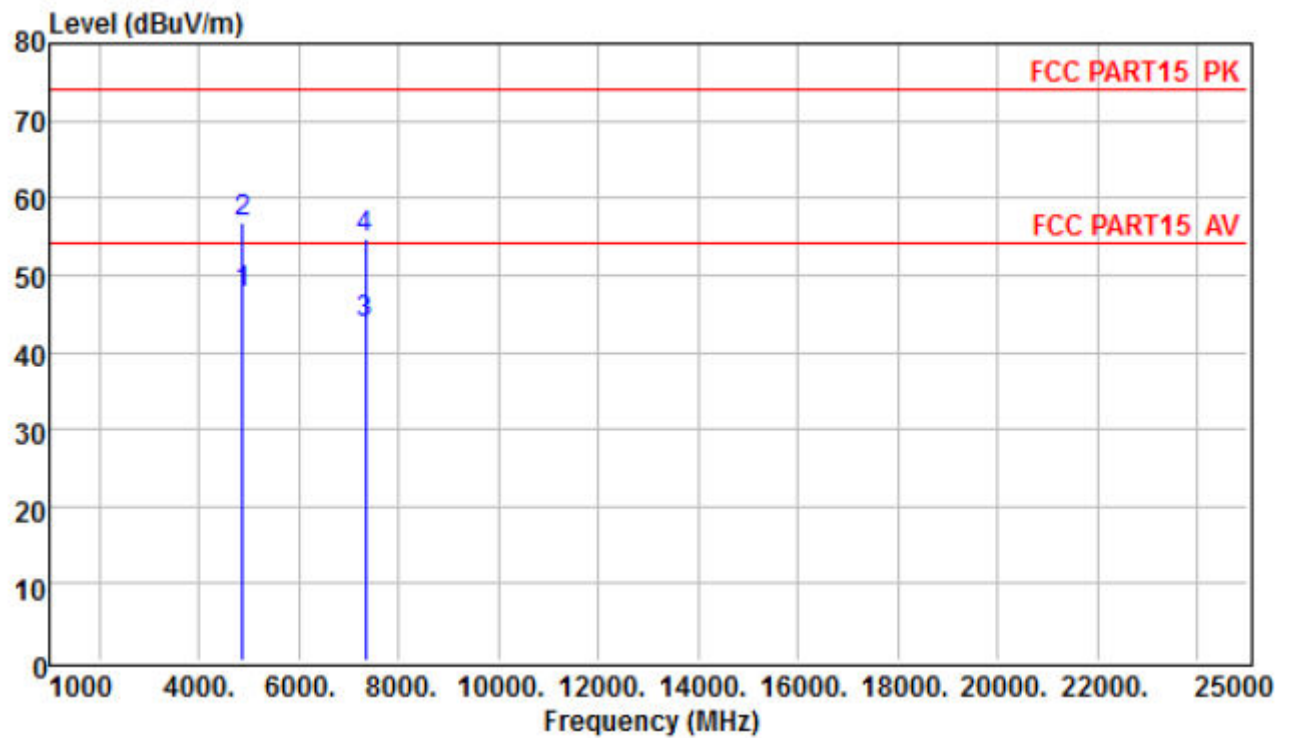
	Freq	Read Level	Preamp Factor	Cable Loss	Antenna Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB/m	dBuV/m	dBuV/m	dB	
1	4882.000	30.93	27.53	12.14	32.11	47.65	54.00	-6.35	Average
2	4882.000	40.07	27.53	12.14	32.11	56.79	74.00	-17.21	Peak
3	7323.000	30.81	27.96	16.62	24.33	43.80	54.00	-10.20	Average
4	7323.000	41.76	27.96	16.62	24.33	54.75	74.00	-19.25	Peak

EUT：	Table PC	Model Name ：	CNB14002IS
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010hPa	Test Mode：	TX-2480
Test Voltage ：	DC 3.8V		
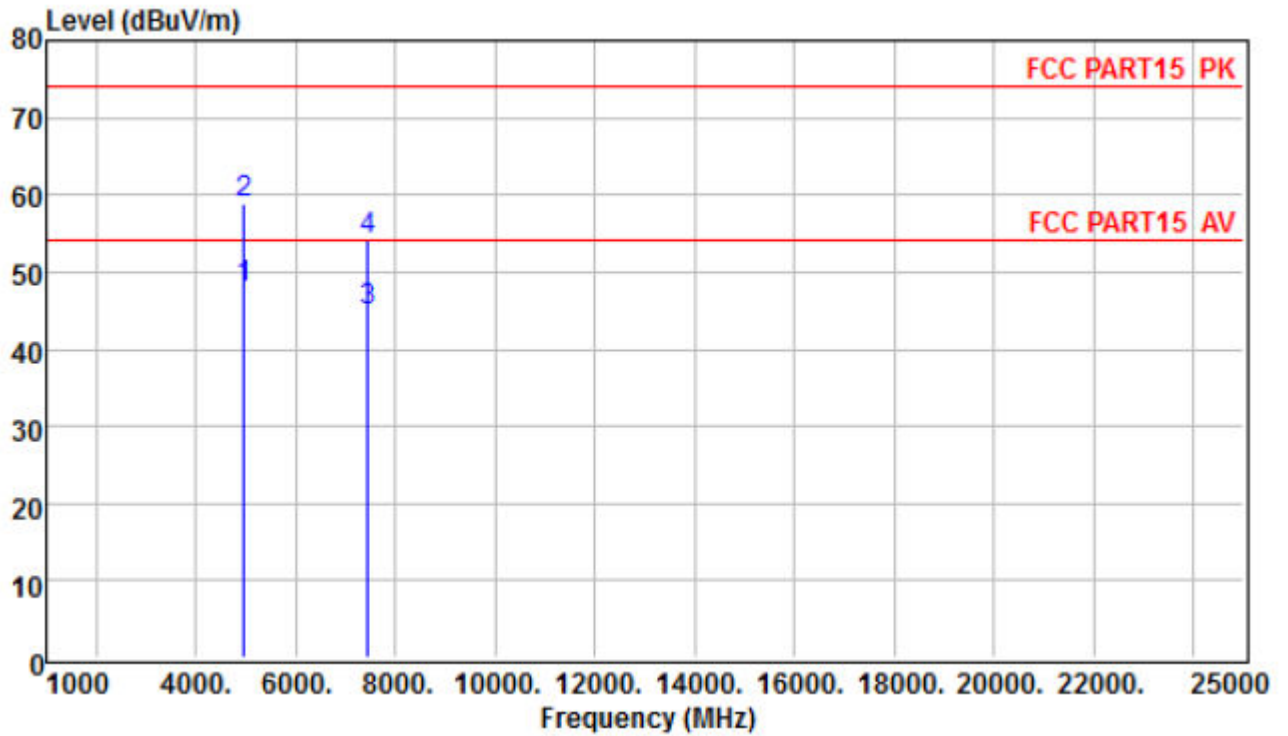
Vertical

	Freq	Read Level	Preamp Factor	Cable Loss	Antenna Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB/m	dBuV/m	dBuV/m	dB	
1	4960.000	31.68	27.58	12.36	31.32	47.78	54.00	-6.22	Average
2	4960.000	42.69	27.58	12.36	31.32	58.79	74.00	-15.21	Peak
3	7440.000	31.94	27.99	16.62	24.38	44.95	54.00	-9.05	Average
4	7440.000	41.19	27.99	16.62	24.38	54.20	74.00	-19.80	Peak

Horizontal
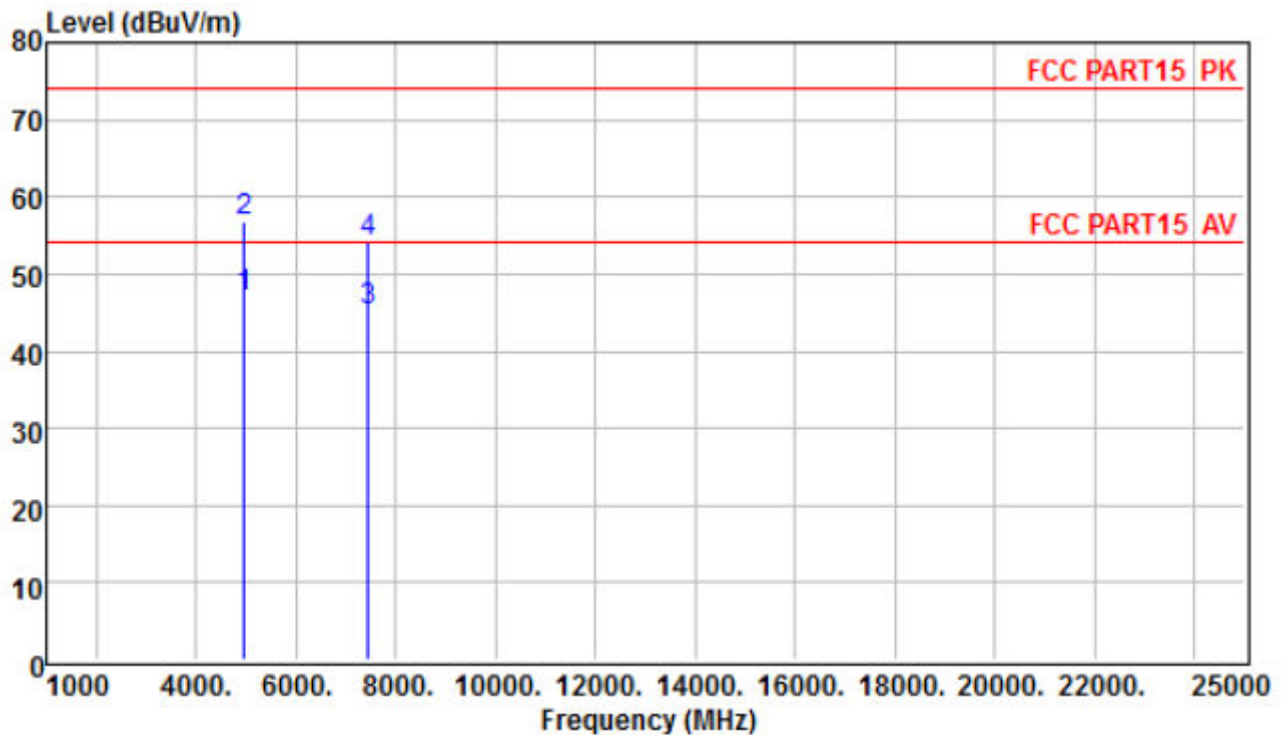
	Freq	Read Level	Preamp Factor	Cable Loss	Antenna Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB/m	dBuV/m	dBuV/m	dB	
1	4960.000	30.99	27.58	12.36	31.32	47.09	54.00	-6.91	Average
2	4960.000	40.68	27.58	12.36	31.32	56.78	74.00	-17.22	Peak
3	7440.000	32.08	27.99	16.62	24.38	45.09	54.00	-8.91	Average
4	7440.000	41.07	27.99	16.62	24.38	54.08	74.00	-19.92	Peak

NOTE:

Absolute Level= ReadingLevel+antenna Factor+cable loss-preamp factor,

Over Limit= Absolute Level – Limit

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has not to be reported.

1Mbps is the worst mode.

EUT Pre-scan X/Y/Z orientation, only worst case is presented in the report (Z orientation)

For radiated test as follows:

Frequency	Meter Reading	antenna Factor	cable loss	preamp factor	Emission Level	Limits	Margin	Detector Type	Comment
(MHz)	(dBµV)	(dB)	(dB)	(dB)	(dBµV/m)	(dBµV/m)	(dB)		
1Mbps					Non-hopping				
2390	36.75	30.44	8.94	26.32	49.81	74	-24.19	peak	Vertical
2390	36.83	30.44	8.94	26.32	49.89	74	-24.11	peak	Horizontal
2483.5	37.18	30.05	9.07	26.34	49.96	74	-24.04	peak	Vertical
2483.5	37.53	30.05	9.07	26.34	50.31	74	-23.69	peak	Horizontal
1Mbps					hopping				
2390	36.34	30.44	8.94	26.32	49.4	74	-24.6	peak	Vertical
2390	36.22	30.44	8.94	26.32	49.28	74	-24.72	peak	Horizontal
2483.5	37.65	30.05	9.07	26.34	50.43	74	-23.57	peak	Vertical
2483.5	37.31	30.05	9.07	26.34	50.09	74	-23.91	peak	Horizontal
2Mbps					Non-hopping				
2390	36.12	30.44	8.94	26.32	49.18	74	-24.82	peak	Vertical
2390	36.09	30.44	8.94	26.32	49.15	74	-24.85	peak	Horizontal
2483.5	37.23	30.05	9.07	26.34	50.01	74	-23.99	peak	Vertical
2483.5	37.42	30.05	9.07	26.34	50.2	74	-23.8	peak	Horizontal
2Mbps					hopping				
2390	36.65	30.44	8.94	26.32	49.71	74	-24.29	peak	Vertical
2390	35.39	30.44	8.94	26.32	48.45	74	-25.55	peak	Horizontal
2483.5	36.35	30.05	9.07	26.34	49.13	74	-24.87	peak	Vertical
2483.5	37.12	30.05	9.07	26.34	49.9	74	-24.1	peak	Horizontal
3Mbps					Non-hopping				
2390	36.73	30.44	8.94	26.32	49.79	74	-24.21	peak	Vertical
2390	34.43	30.44	8.94	26.32	47.49	74	-26.51	peak	Horizontal
2483.5	35.38	30.05	9.07	26.34	48.16	74	-25.84	peak	Vertical
2483.5	36.53	30.05	9.07	26.34	49.31	74	-24.69	peak	Horizontal
3Mbps					hopping				
2390	36.11	30.44	8.94	26.32	49.17	74	-24.83	peak	Vertical
2390	34.43	30.44	8.94	26.32	47.49	74	-26.51	peak	Horizontal
2483.5	35.12	30.05	9.07	26.34	47.9	74	-26.1	peak	Vertical
2483.5	36.35	30.05	9.07	26.34	49.13	74	-24.87	peak	Horizontal

If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.

Spurious Emission in Restricted Band:(1-25G)

All the modulation modes have been tested and all other emissions more than 20dB below the limit, the worst result was report as below:

Polar (H/V)	Frequency	Meter Reading	antenna Factor	cable loss	preamp factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1Mbps Non-hopping									
Vertical	3262.000	36.43	30.26	10.68	26.63	50.74	74	-23.26	Pk
Horizonta	3262.000	37.23	30.26	10.68	26.63	51.54	74	-22.46	PK
Vertical	4032.000	35.12	31.55	10.52	27.02	50.17	74	-23.83	Pk
Horizontal	4032.000	34.22	31.55	10.52	27.02	49.27	74	-24.73	PK
1Mbps hopping									
Vertical	3351.000	34.23	30.34	10.78	26.67	48.68	74	-25.32	Pk
Horizonta	3351.000	35.46	30.34	10.78	26.67	49.91	74	-24.09	PK
Vertical	4130.000	36.28	30.69	10.95	27.08	50.84	74	-23.16	Pk
Horizontal	4130.000	35.65	30.69	10.95	27.08	50.21	74	-23.79	PK

6. 20DB BANDWIDTH

6.1. Limits

According to FCC Section 15.247(a)(1), the 20dB bandwidth is known as the 99% emission bandwidth, or 20dB bandwidth(10*log1%=20dB)taking the RF output power

6.2. Test setup

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum, During the measurement, the Bluetooth module of the EUT is activated and controlled by the software, and is set to operate under test mode transmitting.

2. Set the spectrum analyzer:

Span: approximately 2 to 3 times the 20dB bandwidth, centered on a hopping channel

RBW ≥1% of the 20dB bandwidth

VBW ≥ RBW

Sweep=auto

Detector function=peak

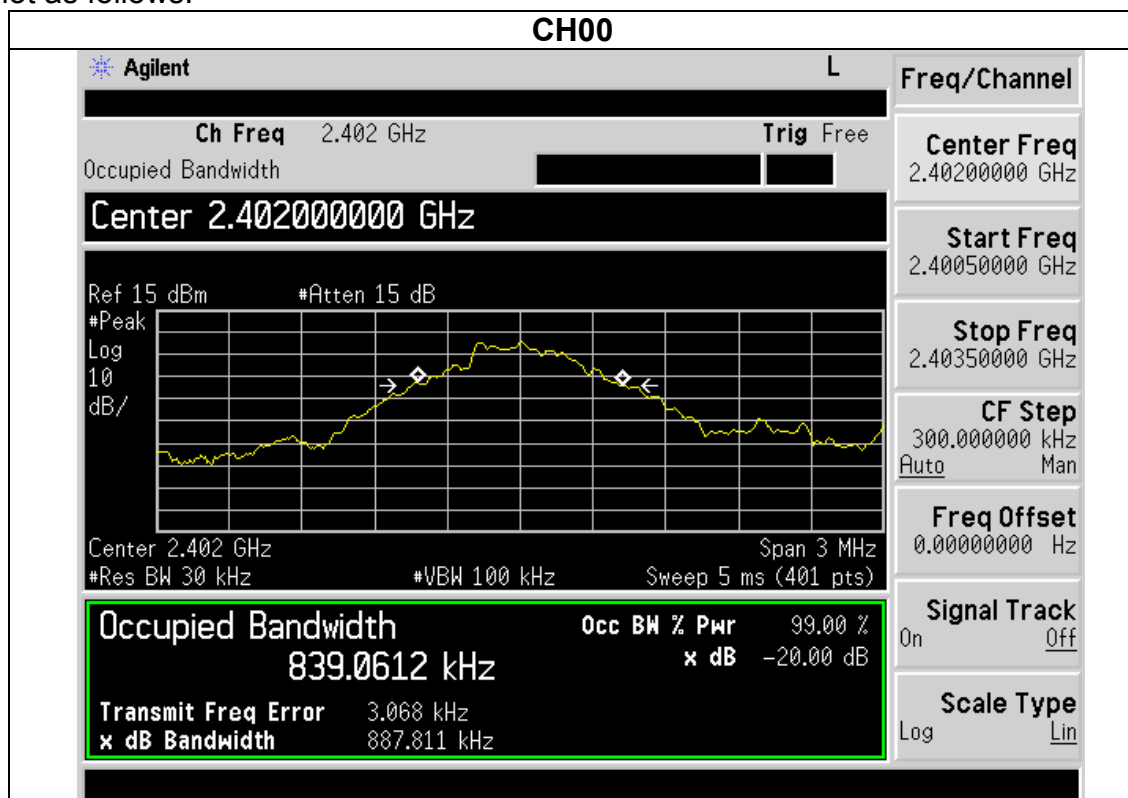Trace=max hold

Test data:

EUT：	Table PC	Model Name ：	CNB14002IS
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 3.8V
Test Mode ：	CH00 / CH39 /C78**(1Mbps)**		

Frequency	20dB Bandwidth (kHz)	Result
2402 MHz	887.811	**PASS**
2441 MHz	870.112	**PASS**
2480 MHz	873.553	**PASS**

Test plot as follows:
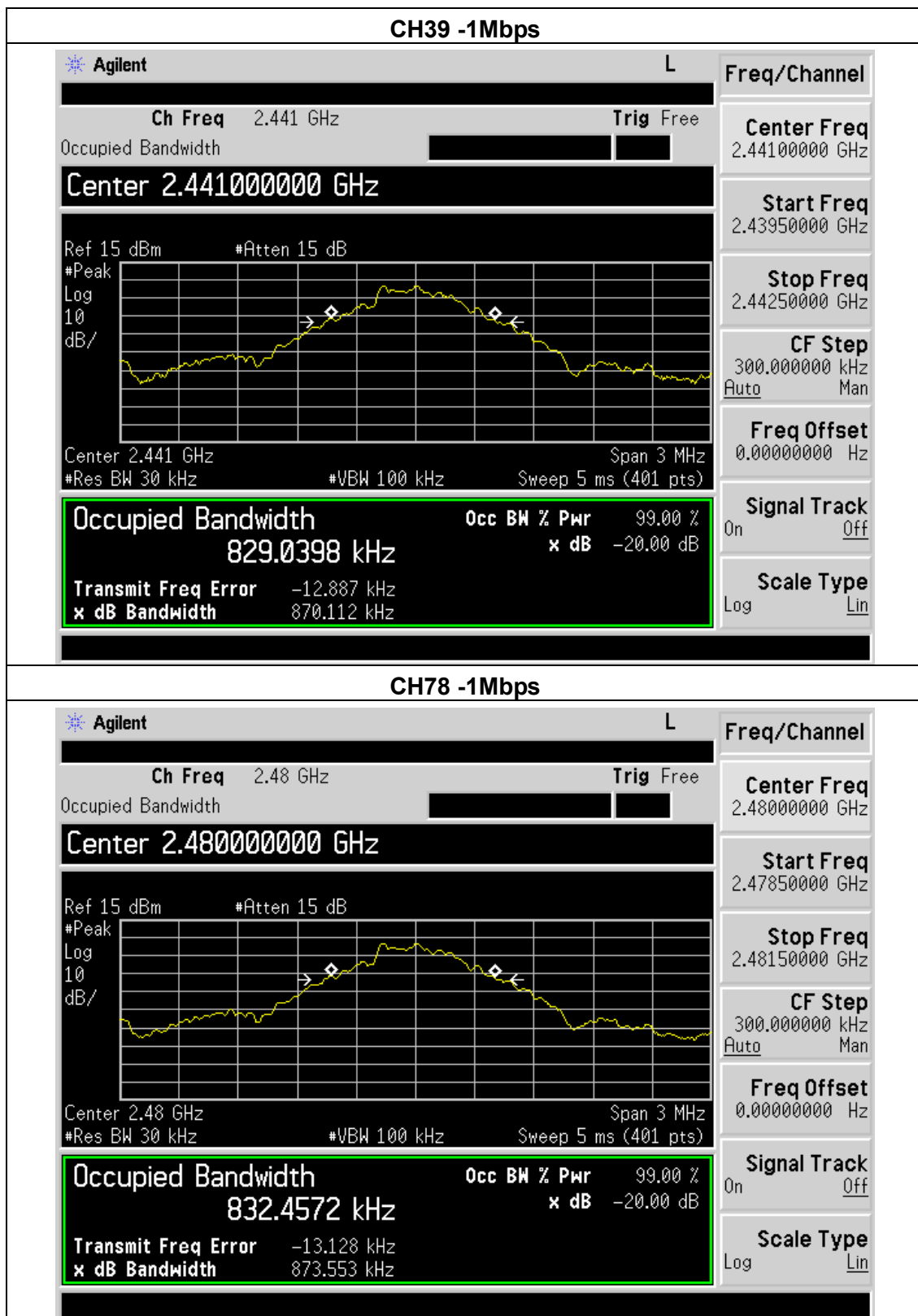
CH00

CH39 -1Mbps

CH78 -1Mbps

EUT：	Table PC	Model Name ：	CNB14002IS
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 3.8V
Test Mode ：	CH00 / CH39 /C78**(2Mbps)**		

Frequency	20dB Bandwidth (MHz)	Result
2402 MHz	1.202	**PASS**
2441 MHz	1.213	**PASS**
2480 MHz	1.204	**PASS**

CH00

CH39

Agilent   L   Freq/Channel

Ch Freq   2.441 GHz   Trig Free   **Center Freq**
Occupied Bandwidth   2.44100000 GHz

Center 2.441000000 GHz   **Start Freq**
                                                            2.43950000 GHz

Ref 15 dBm   #Atten 15 dB   **Stop Freq**
#Peak   2.44250000 GHz
Log
10   **CF Step**
dB/   300.000000 kHz
                                                            Auto   Man

Center 2.441 GHz   Span 3 MHz   **Freq Offset**
#Res BW 30 kHz   #VBW 100 kHz   Sweep 5 ms (401 pts) 0.00000000 Hz

Occupied Bandwidth   Occ BW % Pwr   99.00 %   **Signal Track**
        1.1608 MHz   x dB   −20.00 dB   On   Off

Transmit Freq Error   −14.273 kHz   **Scale Type**
x dB Bandwidth   1.213 MHz   Log   Lin

CH78

Agilent   L   Freq/Channel

Ch Freq   2.48 GHz   Trig Free   **Center Freq**
Occupied Bandwidth   2.48000000 GHz

                                                            Start Freq
                                                            2.47850000 GHz

Ref 15 dBm   #Atten 15 dB   **Stop Freq**
#Peak   2.48150000 GHz
Log
10   **CF Step**
dB/   300.000000 kHz
                                                            Auto   Man

Center 2.48 GHz   Span 3 MHz   **Freq Offset**
#Res BW 30 kHz   #VBW 100 kHz   Sweep 5 ms (401 pts) 0.00000000 Hz

Occupied Bandwidth   Occ BW % Pwr   99.00 %   **Signal Track**
        1.1688 MHz   x dB   −20.00 dB   On   Off

Transmit Freq Error   −2.236 kHz   **Scale Type**
x dB Bandwidth   1.204 MHz   Log   Lin

EUT：	Table PC	Model Name ：	CNB14002IS
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 3.8V
Test Mode ：	CH00 / CH39 /CH78**(3Mbps)**		

Frequency	20dB Bandwidth (MHz)	Result
2402 MHz	1.216	**PASS**
2441 MHz	1.207	**PASS**
2480 MHz	1.215	**PASS**

CH00

CH39

Agilent   L   Freq/Channel

Ch Freq   2.441 GHz   Trig Free   Center Freq
Occupied Bandwidth   2.44100000 GHz

Center 2.441000000 GHz   Start Freq
                                                                              2.43950000 GHz

Ref 15 dBm   #Atten 15 dB   Stop Freq
#Peak   2.44250000 GHz
Log
10   CF Step
dB/   300.000000 kHz
                                                                             Auto   Man

                                                                             Freq Offset
Center 2.441 GHz   Span 3 MHz   0.00000000 Hz
#Res BW 30 kHz   #VBW 100 kHz   Sweep 5 ms (401 pts)
                                                                             Signal Track
Occupied Bandwidth   Occ BW % Pwr   99.00 %   On   Off
          1.1418 MHz   x dB   −20.00 dB
                                                                             Scale Type
Transmit Freq Error   3.080 kHz   Log   Lin
x dB Bandwidth   1.207 MHz

CH78

Agilent   L   Freq/Channel

Ch Freq   2.48 GHz   Trig Free   Center Freq
Occupied Bandwidth   2.48000000 GHz

Center 2.480000000 GHz   Start Freq
                                                                             2.47850000 GHz

Ref 15 dBm   #Atten 15 dB   Stop Freq
#Peak   2.48150000 GHz
Log
10   CF Step
dB/   300.000000 kHz
                                                                            Auto   Man

                                                                            Freq Offset
Center 2.48 GHz   Span 3 MHz   0.00000000 Hz
#Res BW 30 kHz   #VBW 100 kHz   Sweep 5 ms (401 pts)
                                                                            Signal Track
Occupied Bandwidth   Occ BW % Pwr   99.00 %   On   Off
          1.1446 MHz   x dB   −20.00 dB
                                                                            Scale Type
Transmit Freq Error   1.544 kHz   Log   Lin
x dB Bandwidth   1.215 MHz

7. FREQUENCY SEPARATION

7.1. Limits

According to FCC Section 15.247(a)(1), Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

7.2. Test setup

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum, During the measurement, the Bluetooth module of the EUT is activated and controlled by the software, and is set to operate under test mode .

2. Set the spectrum analyzer:

Span: wide enough to capture the peaks of two adjacent channels

RBW ≥1% of the span(30KHz)

VBW ≥ RBW(100KHz)

Sweep=auto

Detector function=peak

Trace=max hold

Test data:

EUT：	Table PC	Model Name ：	CNB14002IS
Temperature：	24 ℃	Relative Humidity：	58%
Pressure：	1010hPa	Test Voltage ：	DC 3.8V
Test Mode ：	CH00 / CH39 /CH78**(1Mbps)**		

Frequency	Ch. Separation (MHz)	Limit (KHz)	Result
2402 MHz	1.005	887.811	**Complies**
2441 MHz	1.005	870.112	**Complies**
2480 MHz	1.000	873.553	**Complies**

Ch. Separation Limits: > 20dB bandwidth
Test plot as follows:
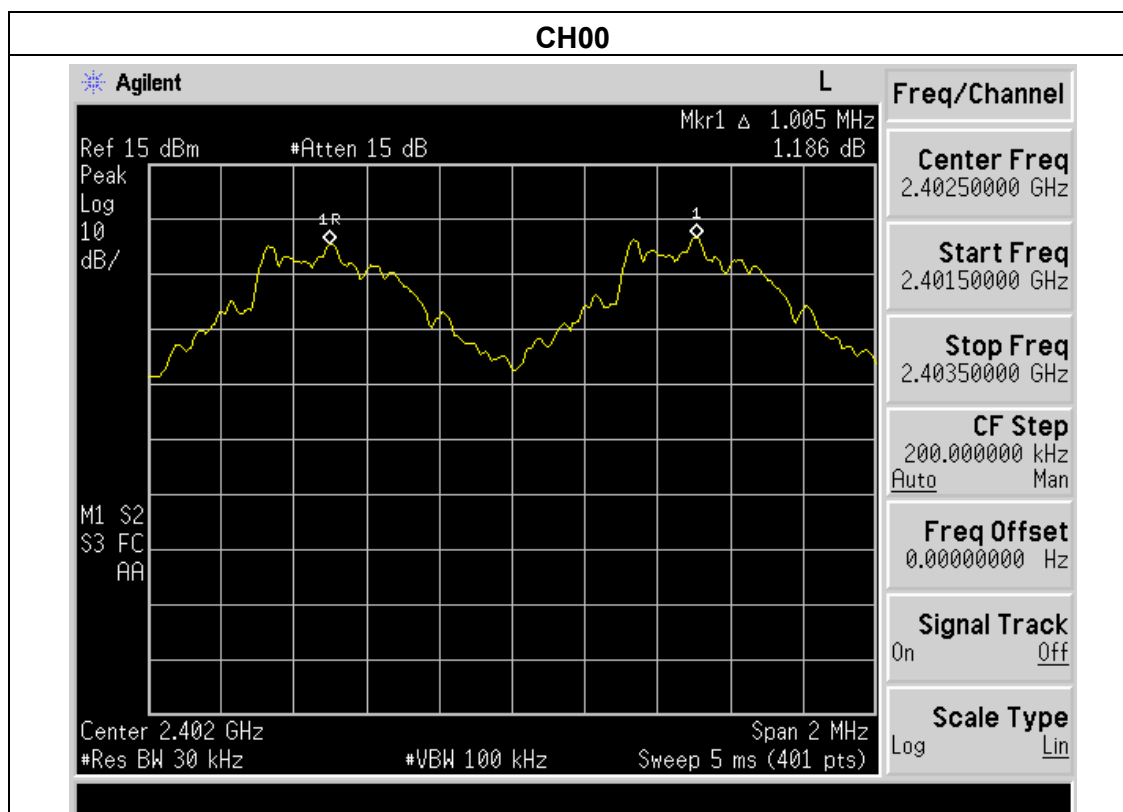
CH39
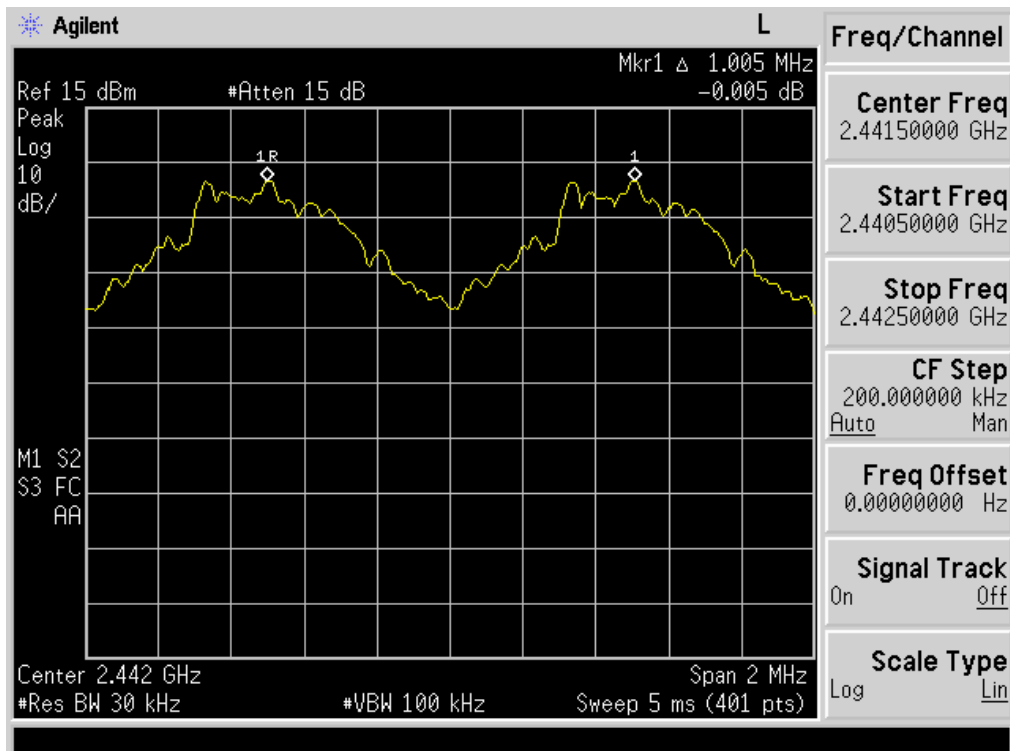
CH78
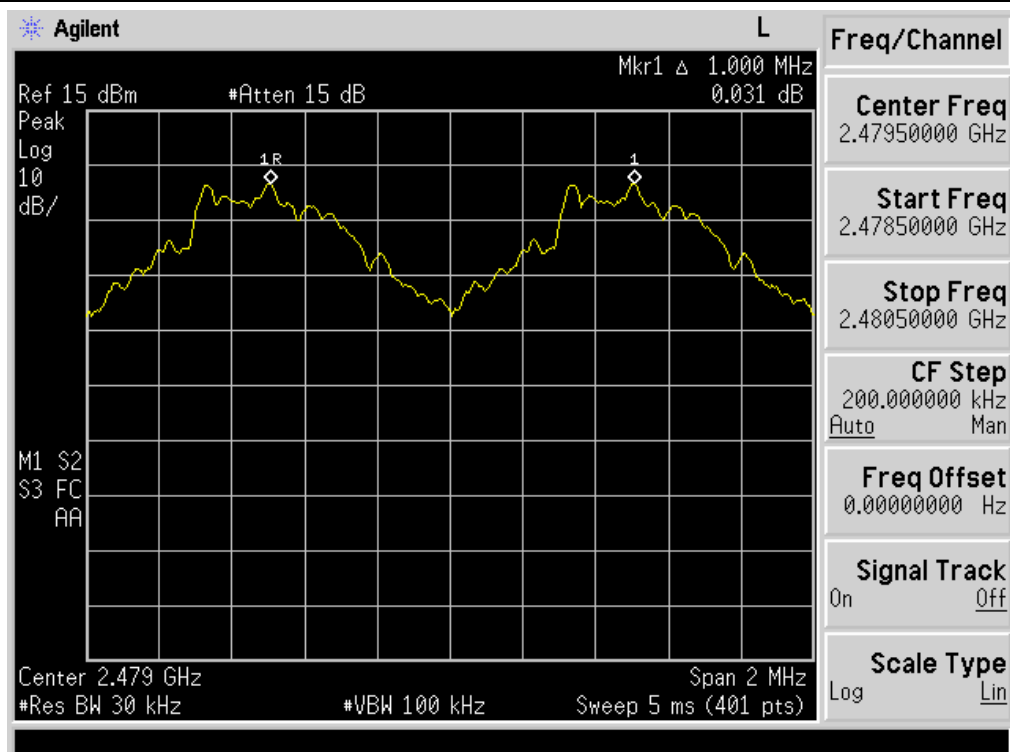
EUT：	Table PC	Model Name ：	CNB14002IS
Temperature：	24 ℃	Relative Humidity：	58%
Pressure：	1010 hPa	Test Voltage ：	DC 3.8V
Test Mode ：	CH00 / CH39 /CH78**(2Mbps)**		

Frequency	Ch. Separation (MHz)	Limit (KHz)	Result
2402 MHz	1.000	801.333	**Complies**
2441 MHz	1.000	808.667	**Complies**
2480 MHz	1.000	802.667	**Complies**

Ch. Separation Limits: >2/3 of 20dB bandwidth
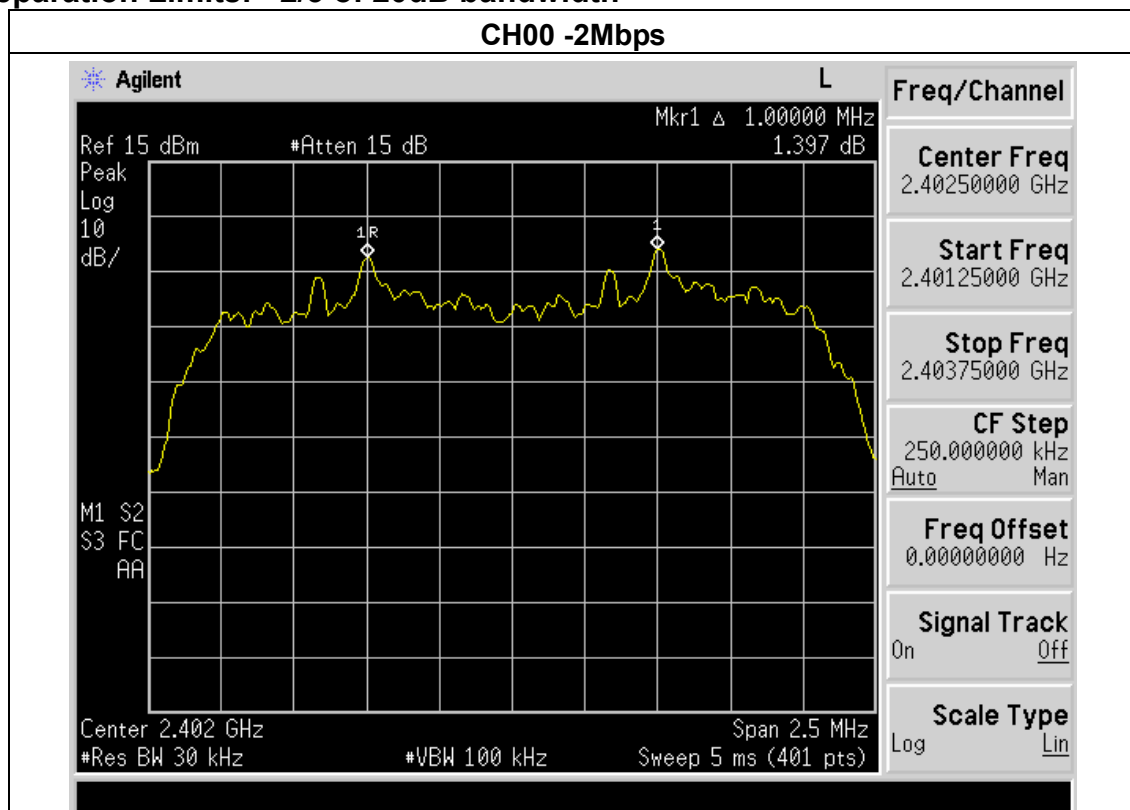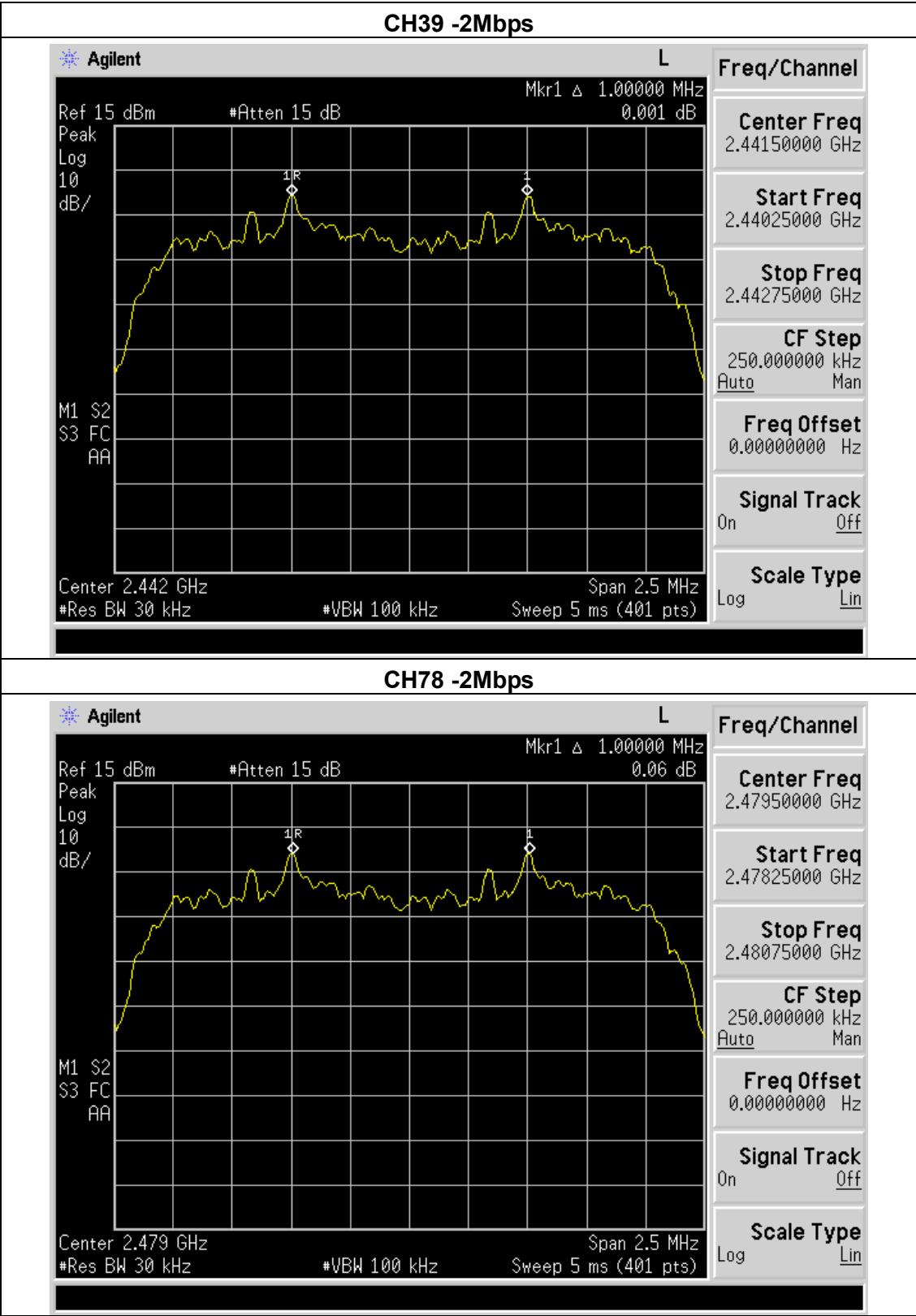
CH00 -2Mbps

CH39 -2Mbps

CH78 -2Mbps

EUT：	Table PC	Model Name ：	CNB14002IS
Temperature：	24 ℃	Relative Humidity：	58%
Pressure：	1010 hPa	Test Voltage ：	DC 3.8V
Test Mode ：	CH00 / CH39 /CH78**(3Mbps)**		

Frequency	Ch. Separation (MHz)	Limit (KHz)	Result
2402 MHz	1.000	810.667	**Complies**
2441 MHz	1.000	804.667	**Complies**
2480 MHz	1.000	810.000	**Complies**

Ch. Separation Limits: >2/3 of 20dB bandwidth

CH39 -3Mbps

CH78 -3Mbps
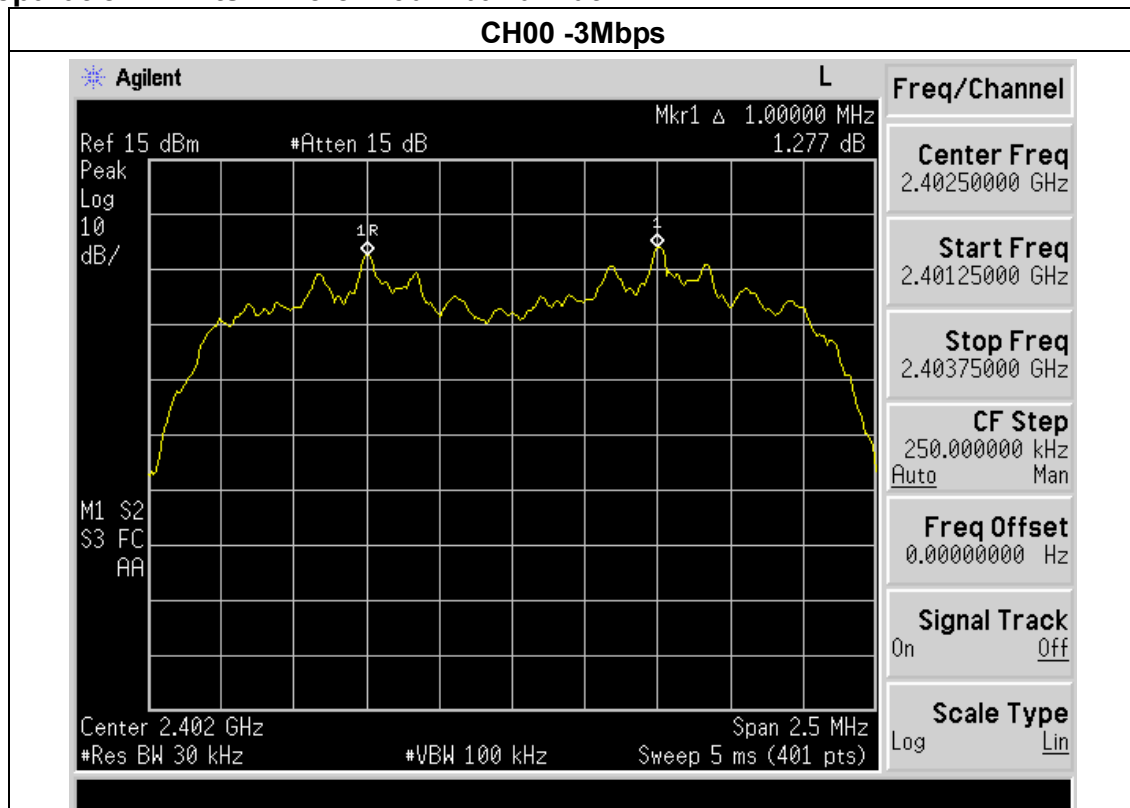
8. NUMBER OF HOPPING FREQUENCY

8.1. Limits

According to FCC Section 15.247(a)(1)(iii), Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels.

8.2. Test setup

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum, During the measurement, the Bluetooth module of the EUT is activated and controlled by the software, and is set to operate under test mode .

2. Set the spectrum analyzer:

Span: the frequency band of operation

RBW =100KHz

VBW=300KHz

Sweep=auto

Detector function=peak

Trace=max hold

EUT：	Table PC	Model Name ：	CNB14002IS
Temperature：	24 ℃	Relative Humidity：	58%
Pressure：	1010 hPa	Test Voltage ：	DC 3.8V
Test Mode ：	1M		

Test data:

Measured channel numbers	Limit	Result
79	≥15	PASS

Test plot as follows:
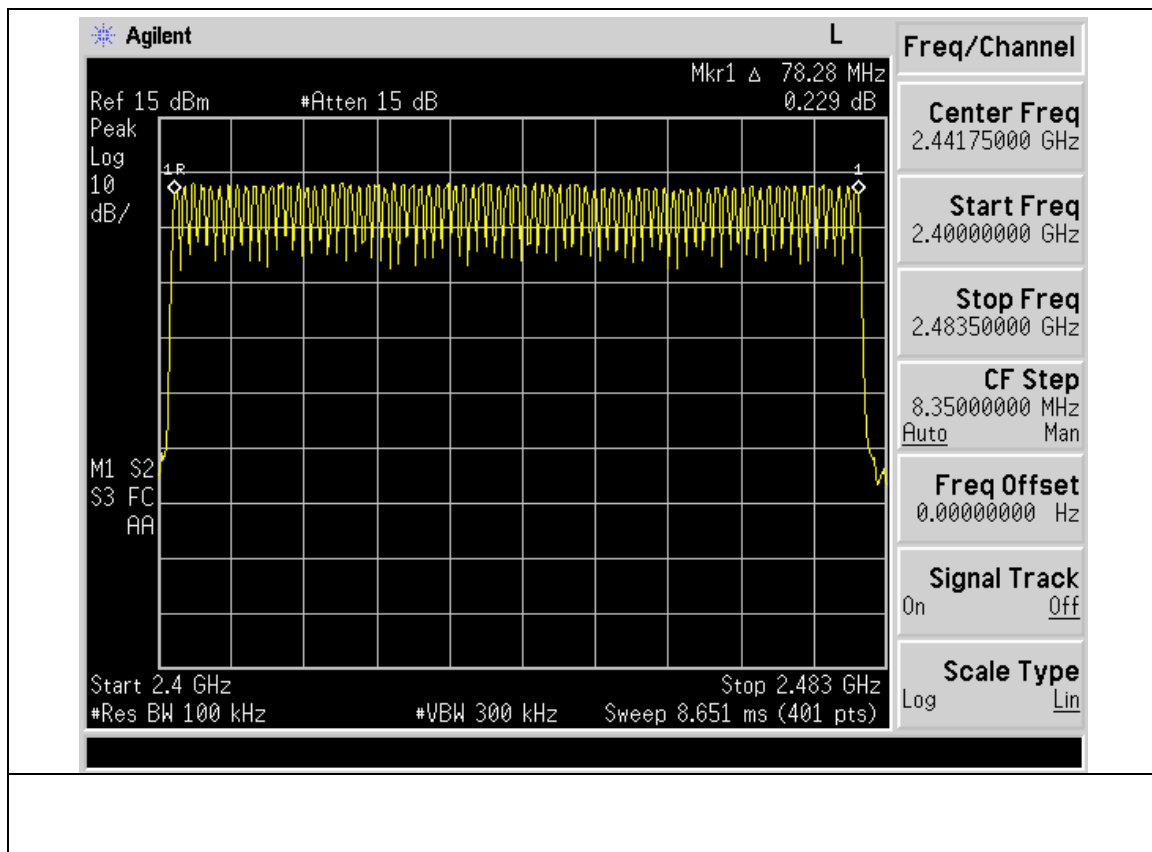
9. DWELL TIME

9.1. Limits

According to FCC Section 15.247(a)(1)(iii), 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.

9.2. Test setup

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum, During the measurement, the Bluetooth module of the EUT is activated and controlled by the software, and is set to operate under test mode power.

2. Set the spectrum analyzer:

Span= 0Hz,RBW =1000 kHz,VBW = 3000 kHz

Use a video trigger with the trigger level set to enable triggering only on full pulses.

Detector function=peak, Sweep Time is more than once pulse time.

Set the EUT for DH5, DH3 and DH1 packet transmitting

Measure the maximum time duration of one single pulse.

A Period Time = (channel number)*0.4
DH1 Time Slot: Reading * (1600/2)*31.6/(channel number)
DH3 Time Slot: Reading * (1600/4)*31.6/(channel number)
DH5 Time Slot: Reading * (1600/6)*31.6/(channel number)
For Example:
BT hopping rate is 1600 hops/s with 6 slots in 79 hopping channels.
With channel hopping rate (1600 / 6 / 79) in Occupancy Time Limit (0.4 x 79) (s),
Hops Over Occupancy Time comes to (1600 / 6 / 79) x (0.4 x 79) = 106.67 hops.
Dwell Time(s) = Hops Over Occupancy Time (hops) x Package Transfer Time

Test data:

Data Packet	Frequency	Pulse Duration	Dwell Time	Limits
		(ms)	(s)	(s)
DH1	2441 MHz	0.46	0.15	0.4
2DH1	2441 MHz	0.46	0.15	0.4
3DH1	2441 MHz	0.46	0.15	0.4

Test plot as follows as below:

CH39-DH1

CH39-2DH1

Marker	Trace	Type	X Axis	Amplitude
1R	(1)	Time	3.438 ms	-48.62 dBm
1Δ	(1)	Time	462.5 µs	0.172 dB

CH39-3DH1

Marker	Trace	Type	X Axis	Amplitude
1R	(1)	Time	3.55 ms	-47.81 dBm
1Δ	(1)	Time	462.5 µs	0.561 dB
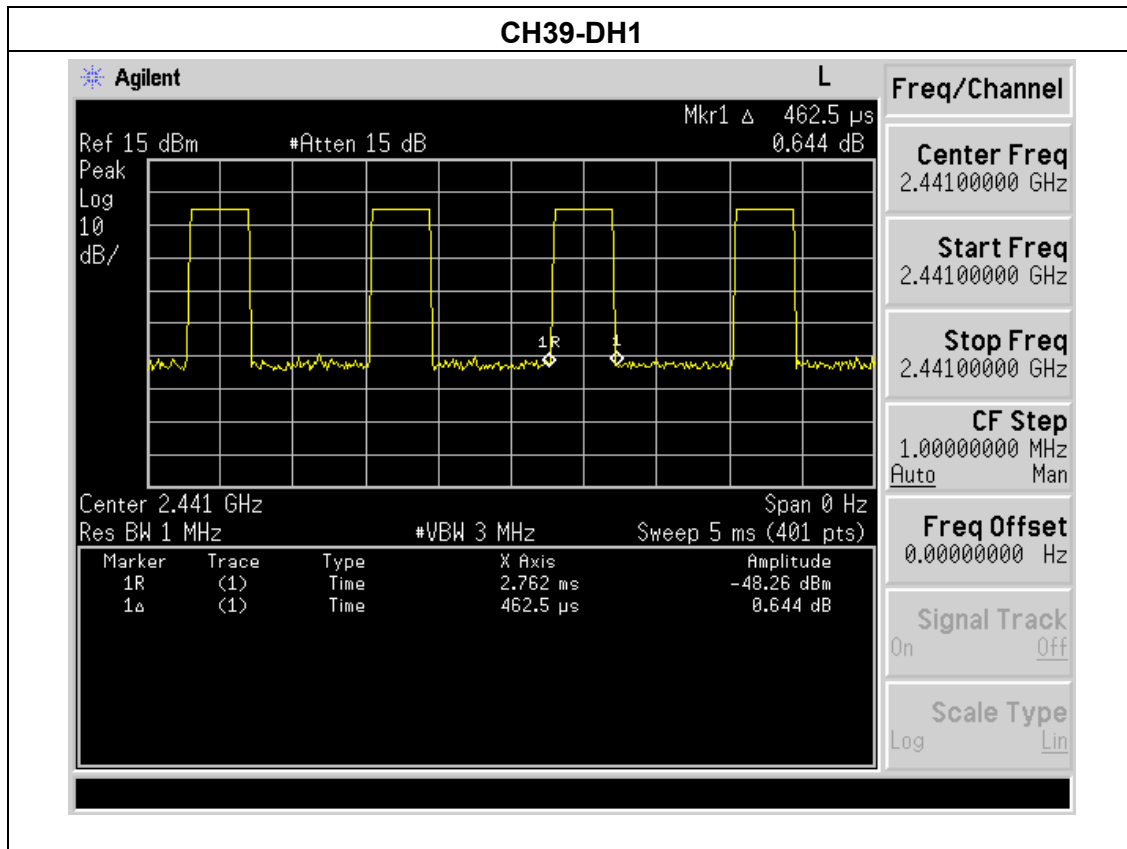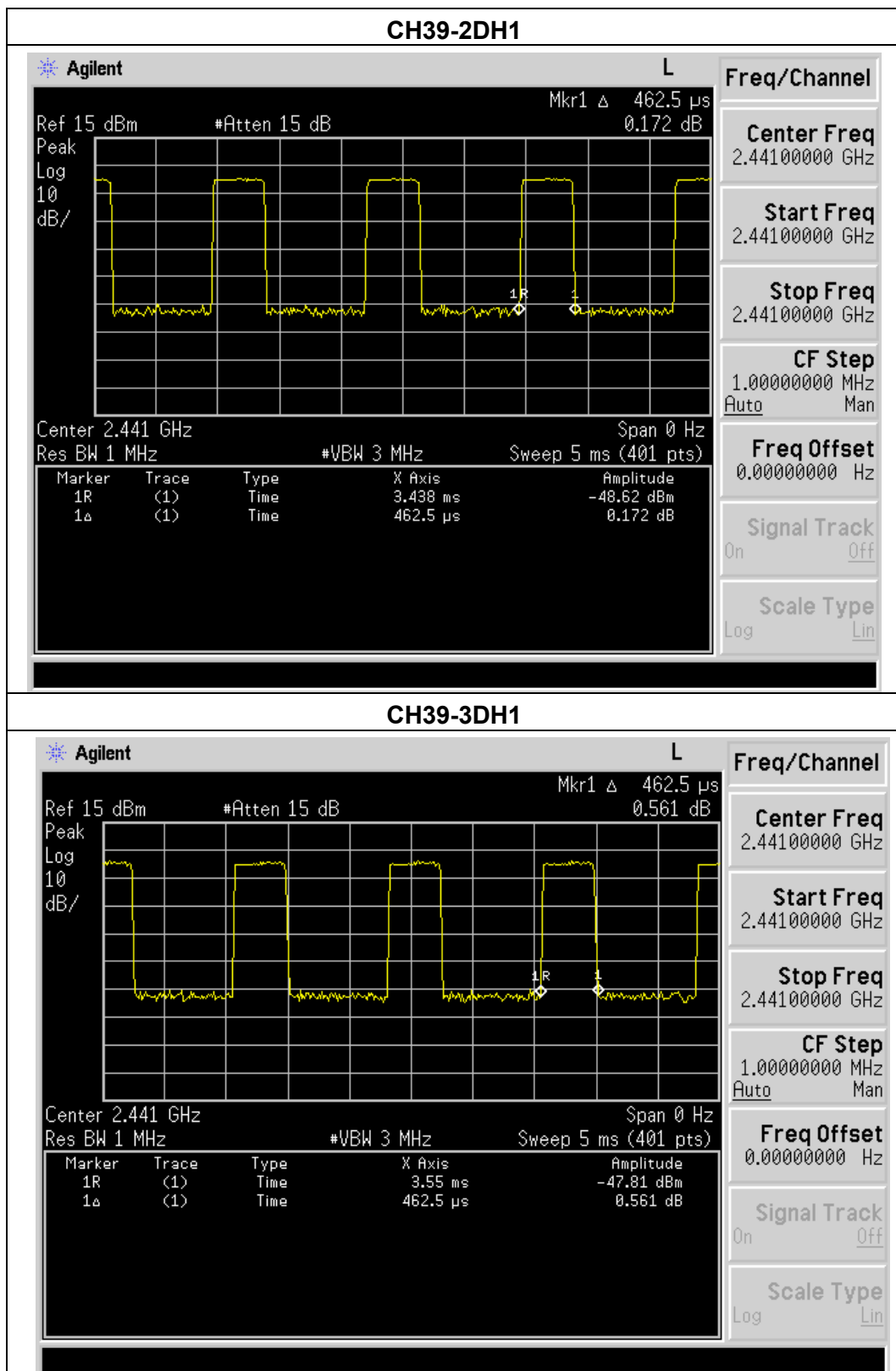
Data Packet	Frequency	Pulse Duration (ms)	Dwell Time (s)	Limits (s)
DH3	2441 MHz	1.70	0.27	0.4
2DH3	2441 MHz	1.71	0.27	0.4
3DH3	2441 MHz	1.73	0.28	0.4

CH39-DH3
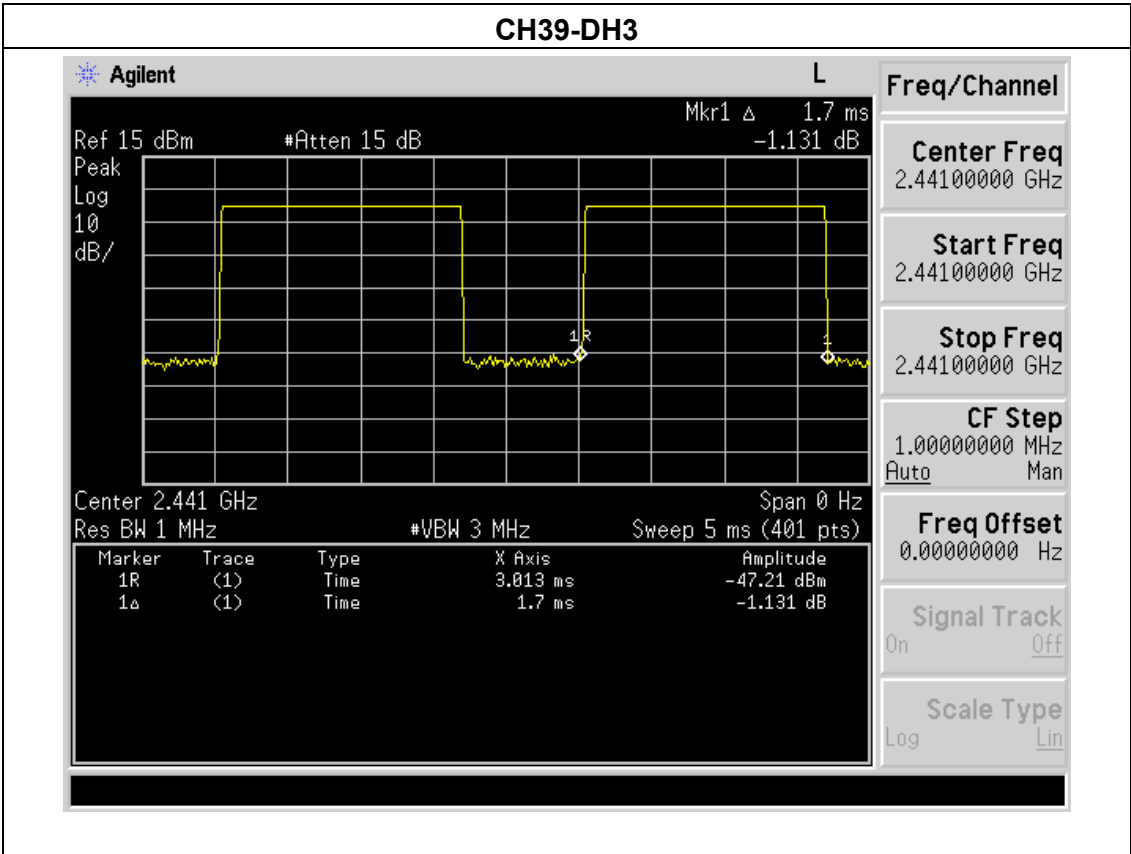
CH39-2DH3
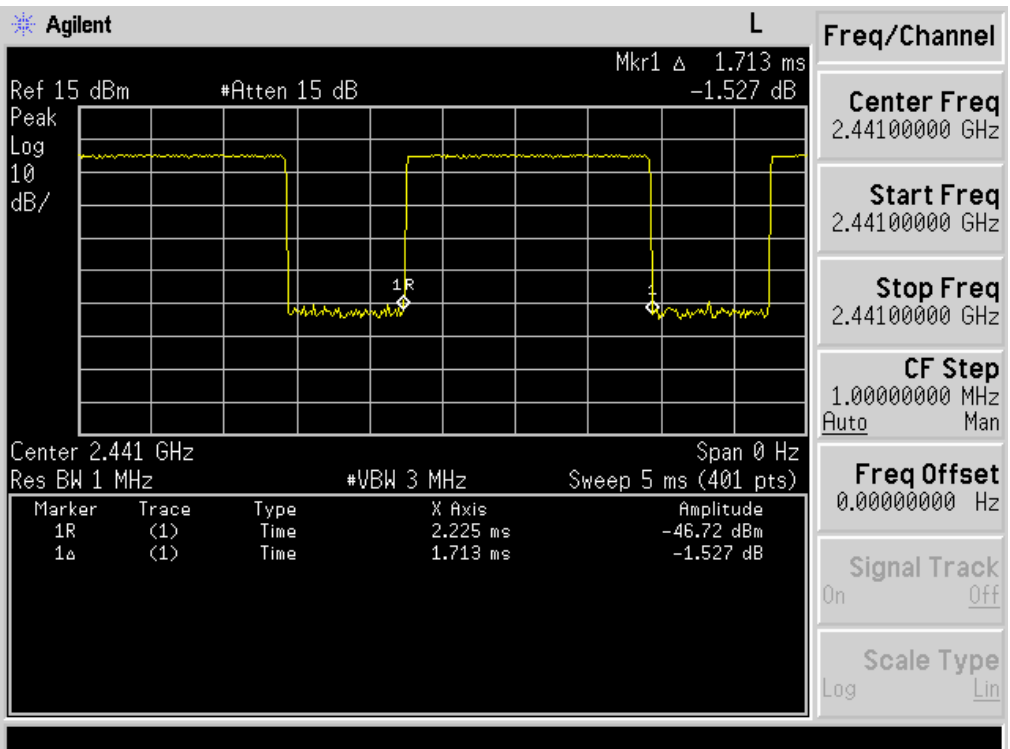
CH39-3DH3
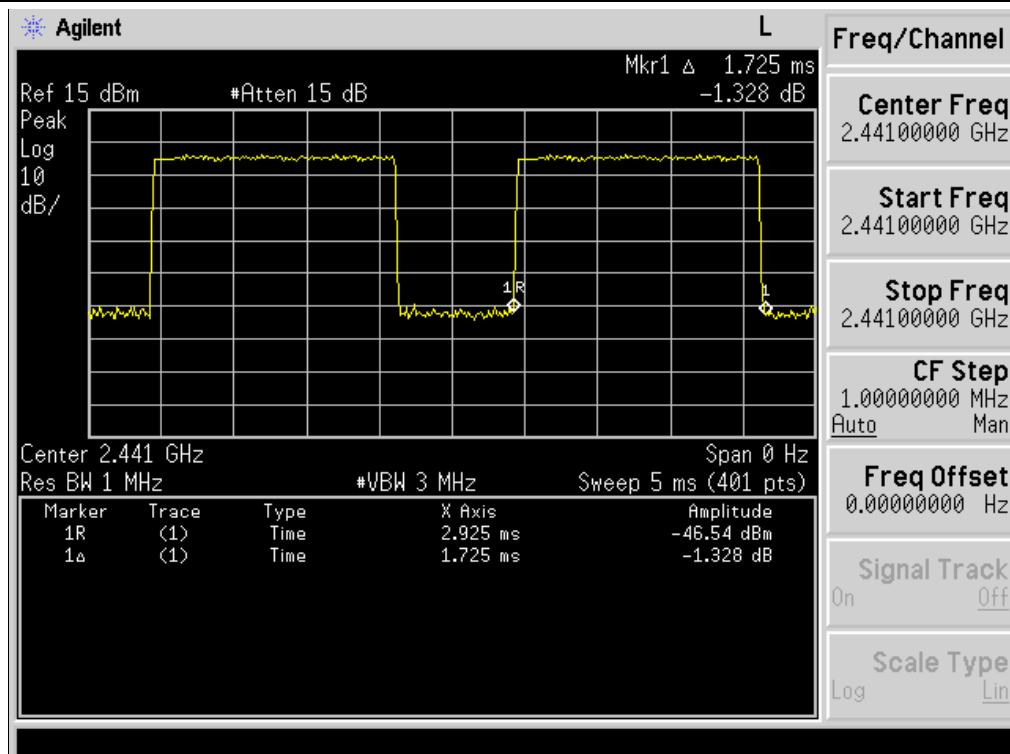
Data Packet	Frequency	Pulse Duration	Dwell Time	Limits
		(ms)	(s)	(s)
DH5	2441 MHz	2.95	0.31	0.4
2DH5	2441 MHz	2.95	0.32	0.4
3DH5	2441 MHz	2.96	0.32	0.4

CH39-DH5

CH39-2DH5

Agilent				L	Freq/Channel

Mkr1 Δ   2.95 ms

Ref 15 dBm   #Atten 15 dB   −1.34 dB

Peak
Log
10
dB/

Center 2.441 GHz   Span 0 Hz
Res BW 1 MHz   #VBW 3 MHz   Sweep 5 ms (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1R	(1)	Time	512.5 µs	−46.51 dBm
1Δ	(1)	Time	2.95 ms	−1.34 dB

Center Freq 2.44100000 GHz

Start Freq 2.44100000 GHz

Stop Freq 2.44100000 GHz

CF Step 1.00000000 MHz
Auto   Man

Freq Offset 0.00000000 Hz

Signal Track
On   Off

Scale Type
Log   Lin

CH39-3DH5

Agilent				L	Freq/Channel

Mkr1 Δ   2.962 ms

Ref 15 dBm   #Atten 15 dB   1.266 dB

Peak
Log
10
dB/

Center 2.441 GHz   Span 0 Hz
Res BW 1 MHz   #VBW 3 MHz   Sweep 5 ms (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1R	(1)	Time	612.5 µs	−46.96 dBm
1Δ	(1)	Time	2.962 ms	1.266 dB

Center Freq 2.44100000 GHz

Start Freq 2.44100000 GHz

Stop Freq 2.44100000 GHz

CF Step 1.00000000 MHz
Auto   Man

Freq Offset 0.00000000 Hz

Signal Track
On   Off

Scale Type
Log   Lin

10. BAND EDGE COMPLIANCE TEST

10.1. Limits

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)).

10.2. Test setup
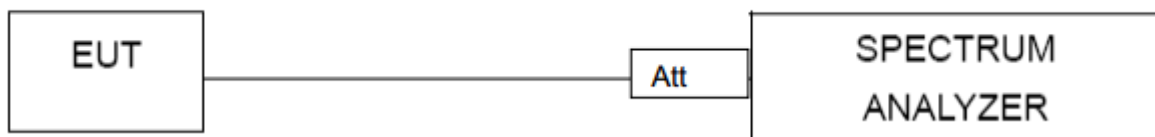
10.3. TEST Procedure

a) Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.

b) Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.

c) Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.

d) 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.

e) Repeat above procedures until all measured frequencies were complete.

For conducted test:

Frequency Band	Delta Peak to band emission (dBc)	＞Limit (dBc)	Result
GFSK　Non-hopping			
Left Band	49.43	20	Pass
Right Band	51.78	20	Pass
π/4-DQPSK　Non-hopping			
Left Band	48.35	20	Pass
Right Band	51.75	20	Pass
8DPSK　Non-hopping			
Left Band	48.66	20	Pass
Right Band	50.48	20	Pass
GFSK　hopping			
Left Band	52.63	20	Pass
Right Band	54.22	20	Pass
π/4-DQPSK　hopping			
Left Band	48.98	20	Pass
Right Band	51.24	20	Pass
8DPSK　hopping			
Left Band	51.22	20	Pass
Right Band	50.89	20	Pass

BDR mode (GFSK): Band Edge-Left Side
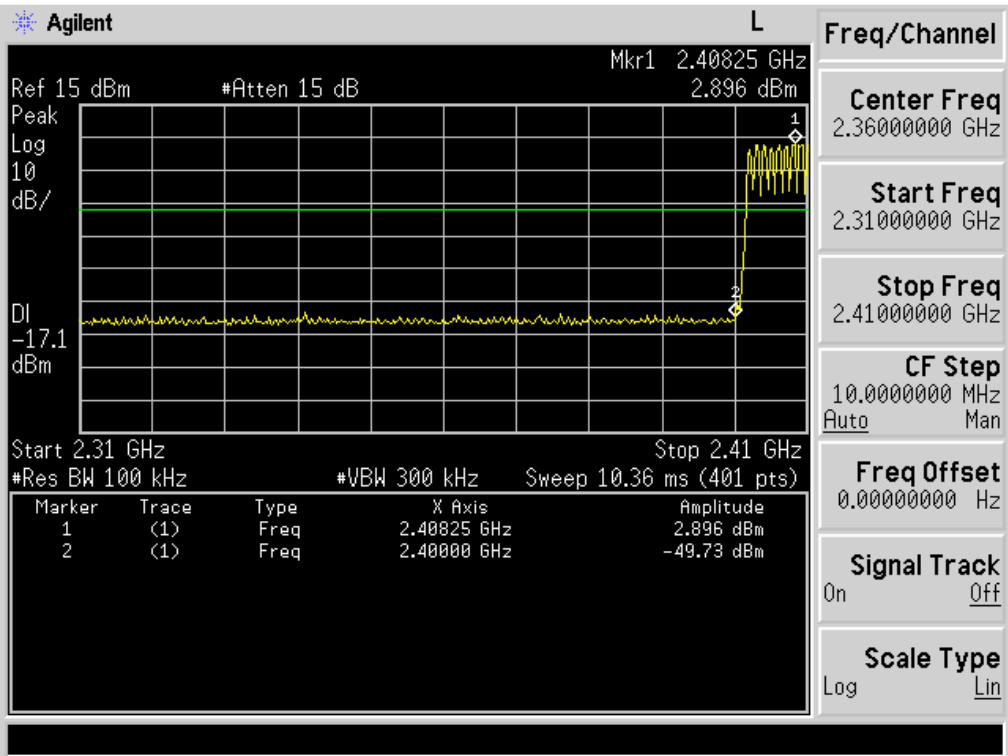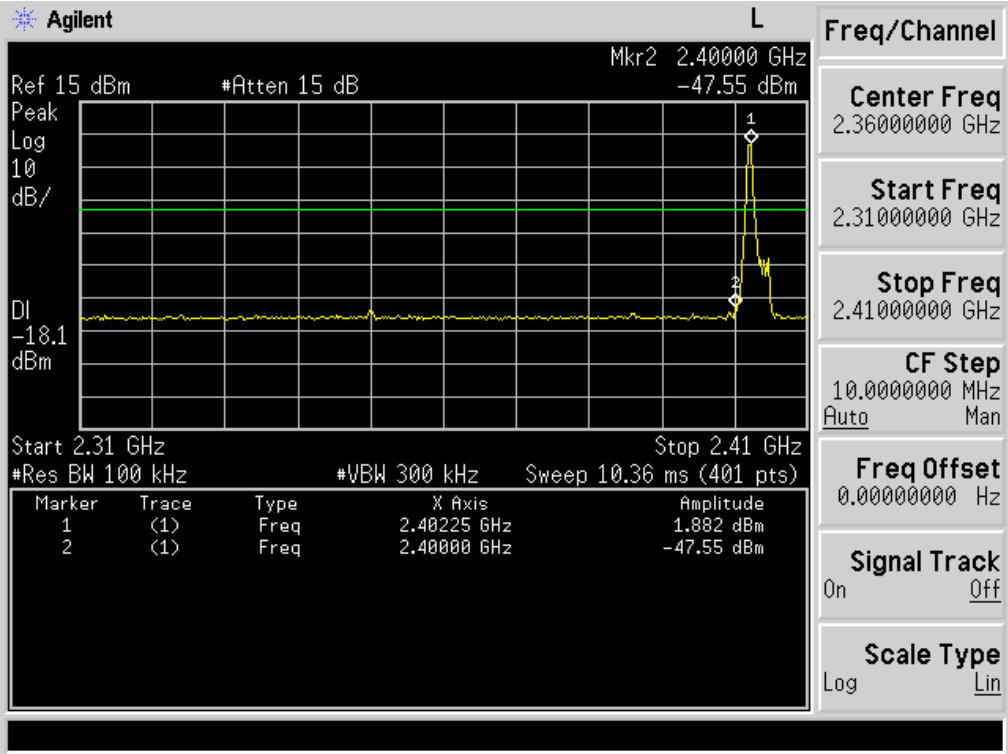
BDR mode (GFSK): Band Edge-Right Side
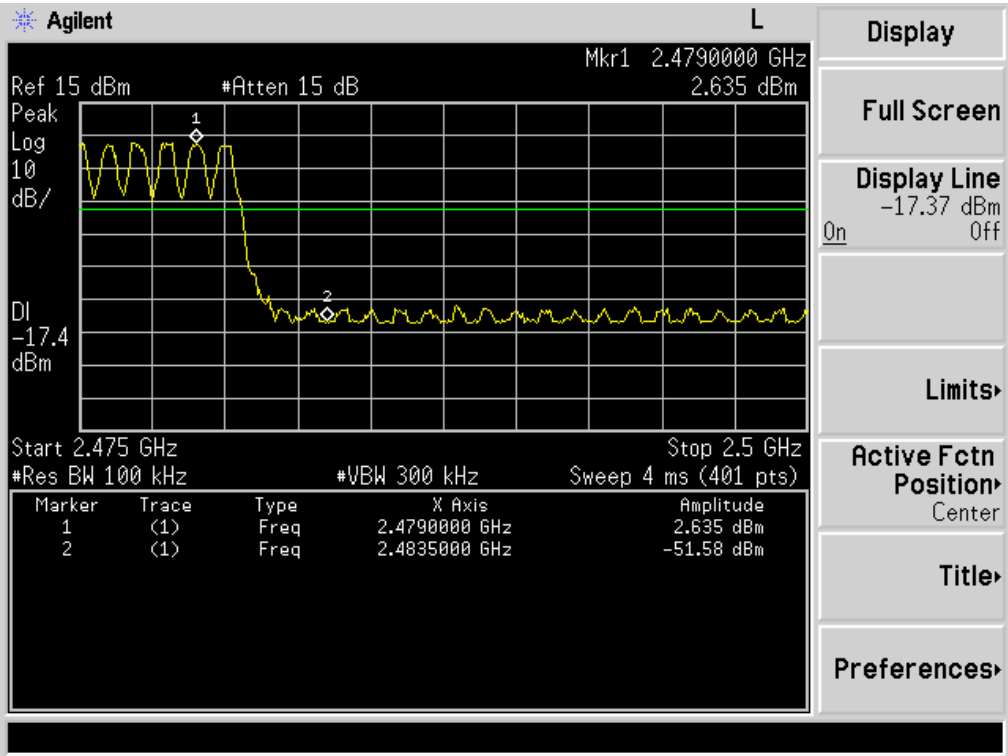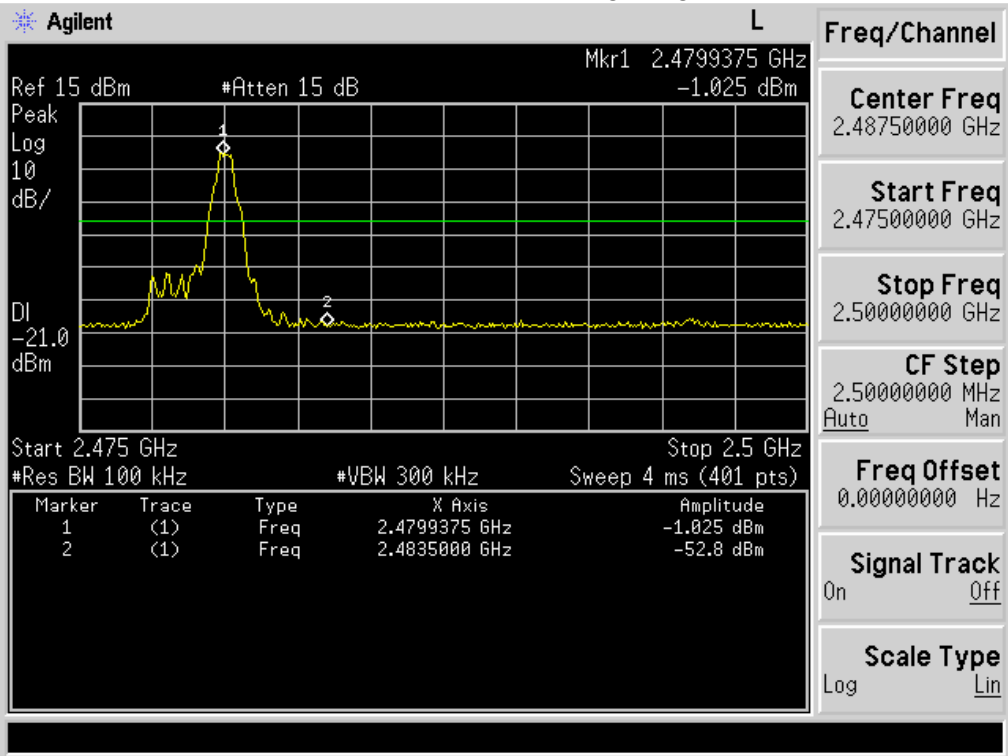
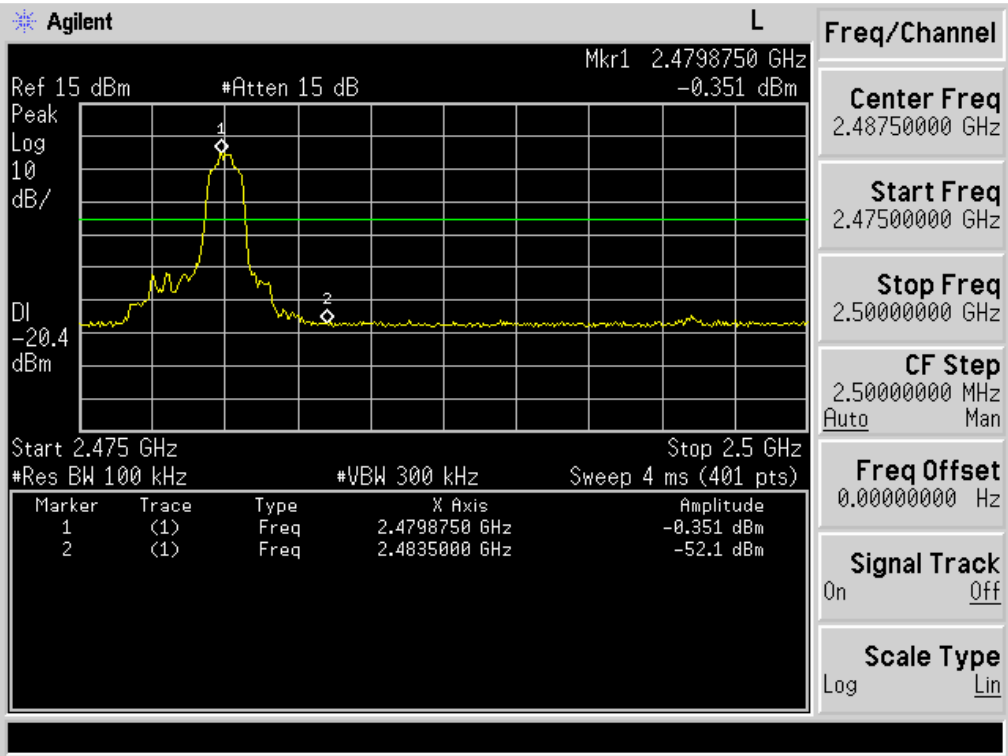EDR mode (π /4-DQPSK): Band Edge-Left Side
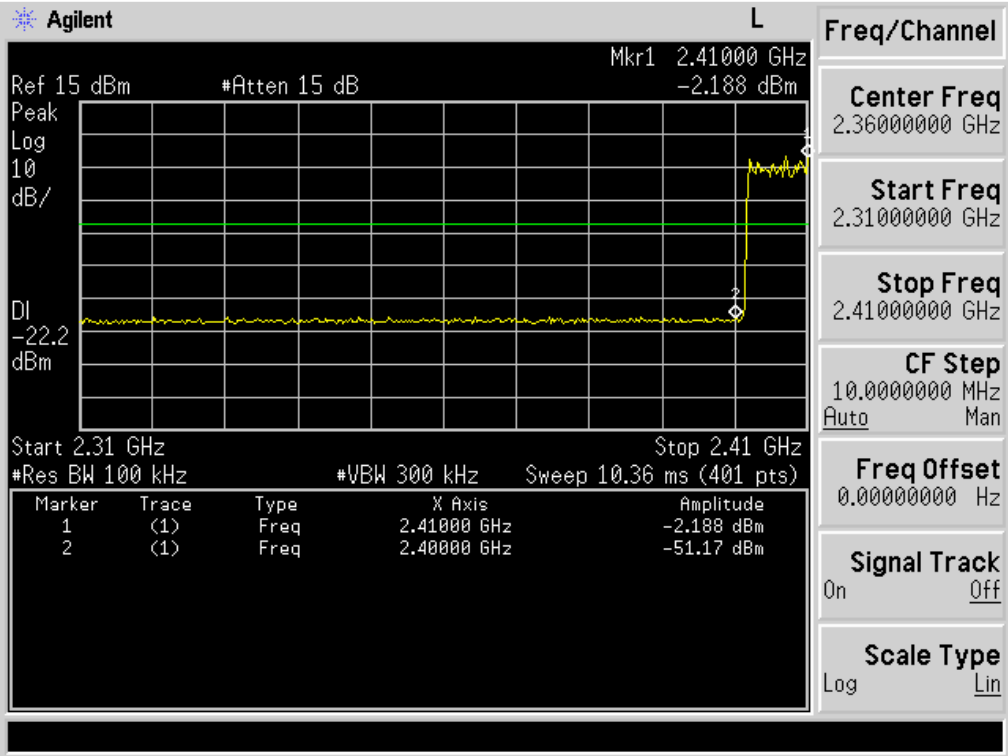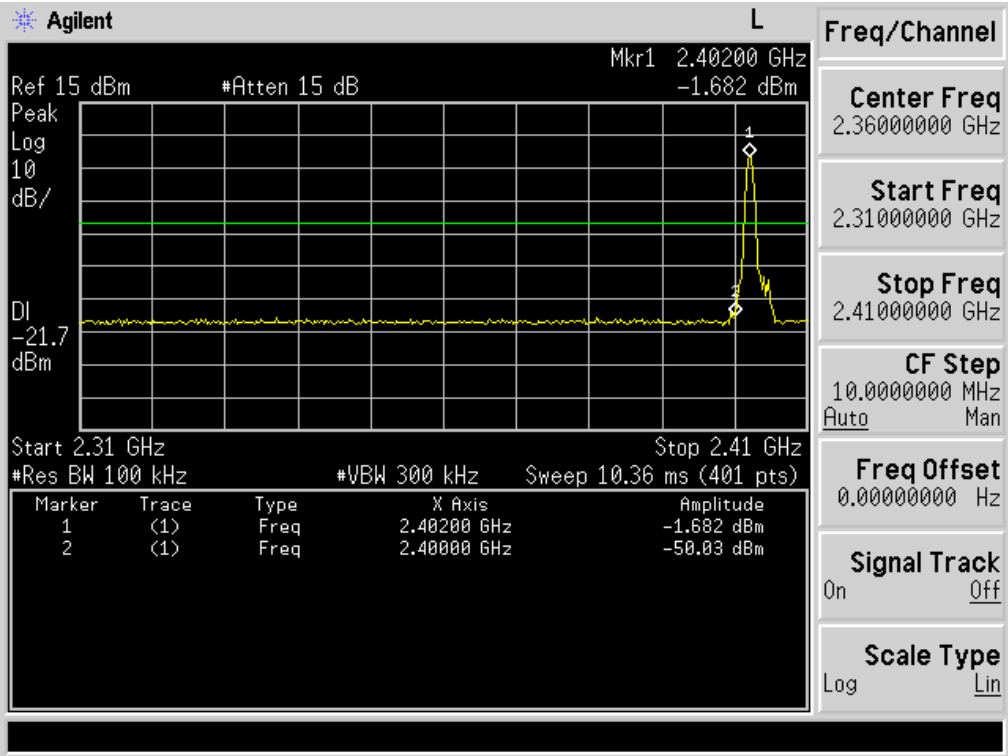
EDR mode (π /4-DQPSK): Band Edge- Right Side
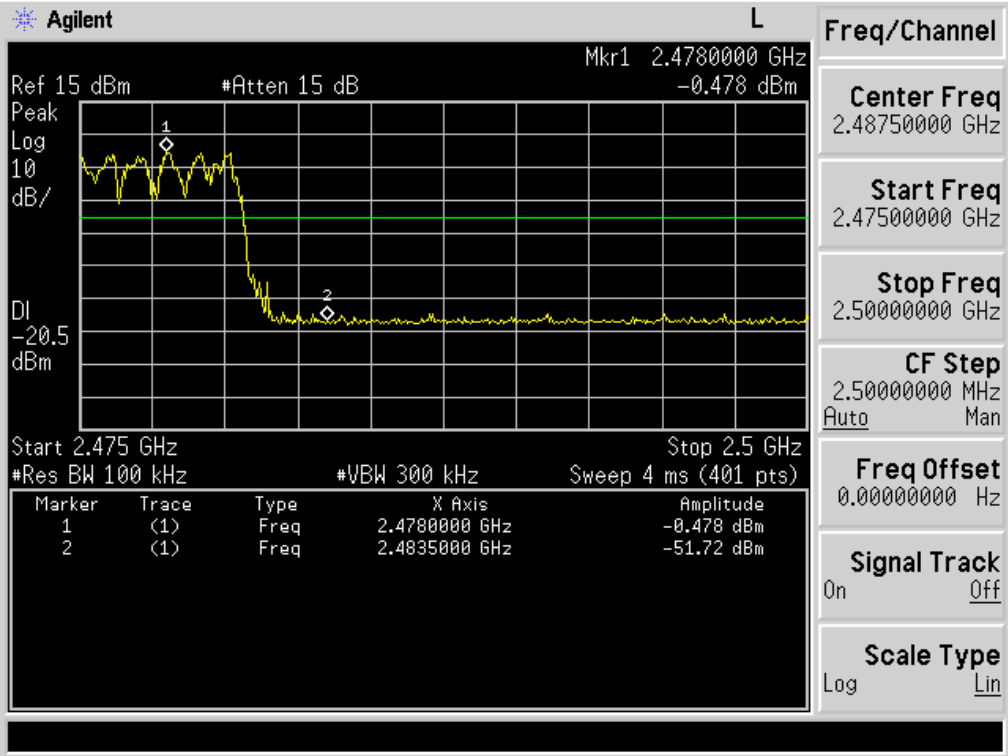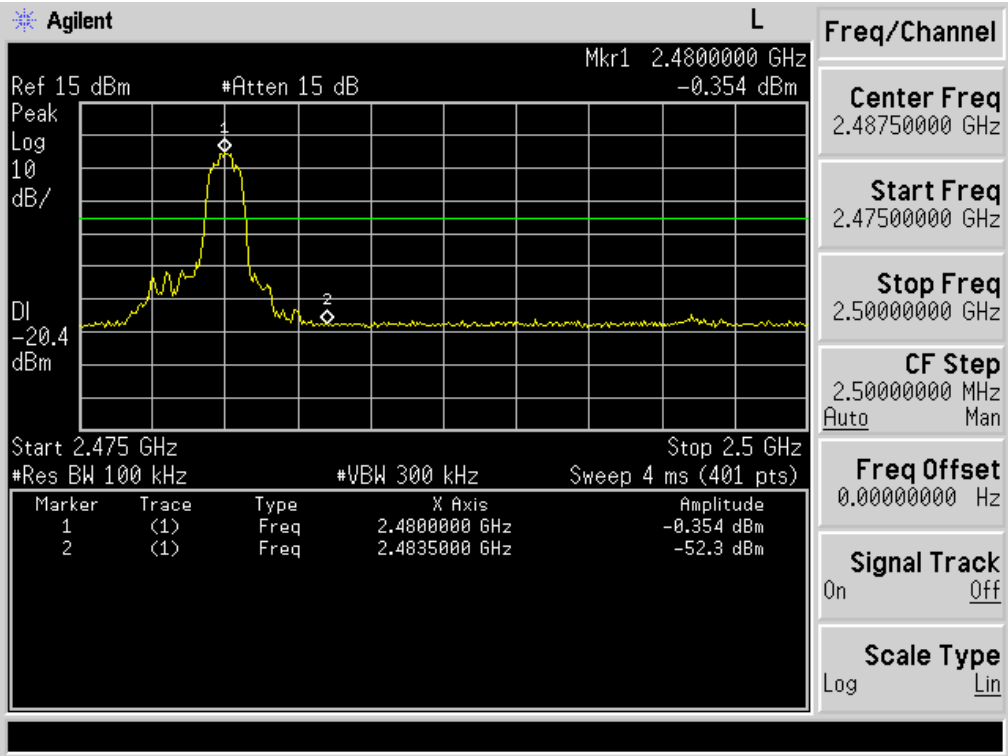
EDR mode(8DPSK): Band Edge-Left Side
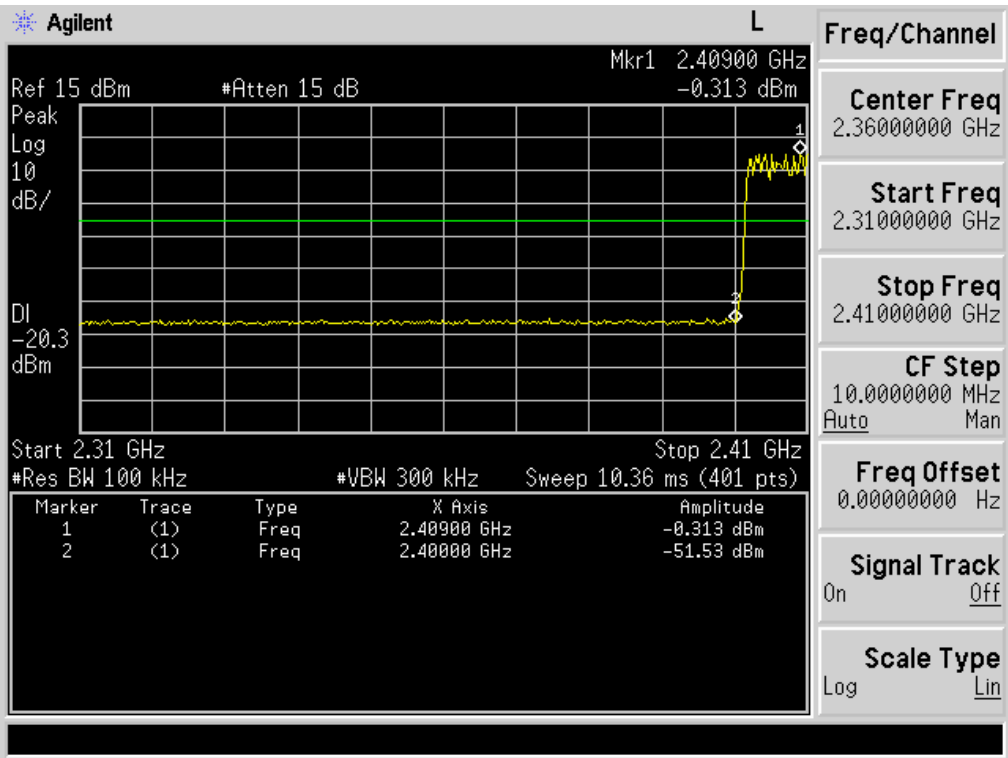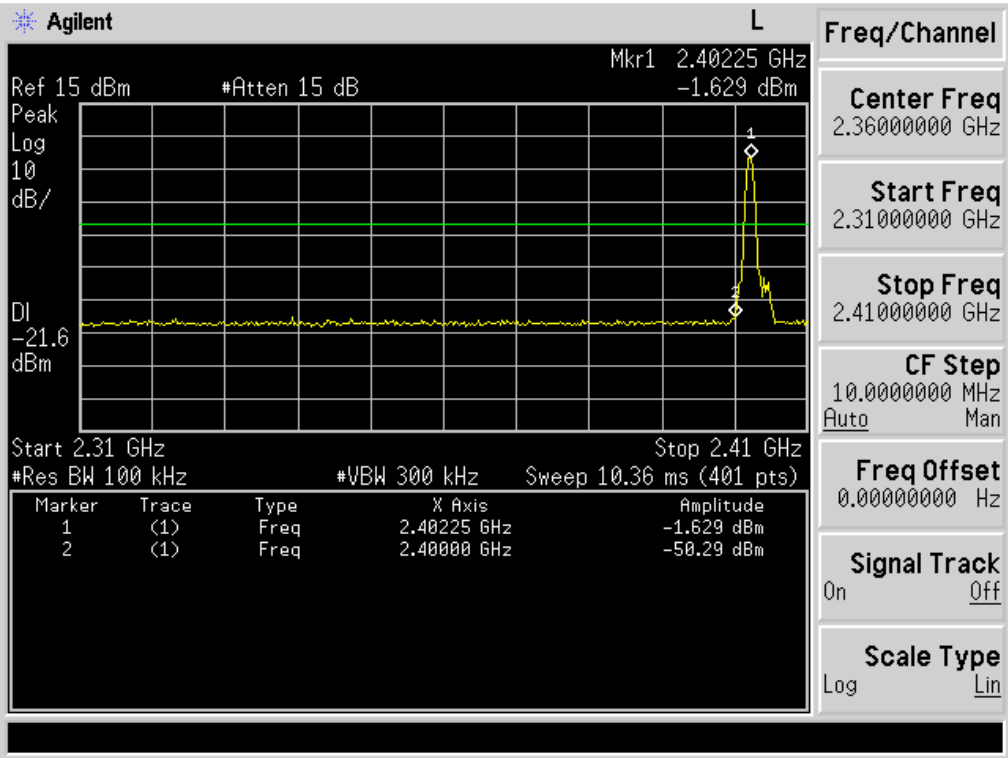
EDR mode(8DPSK): Band Edge-Right Side
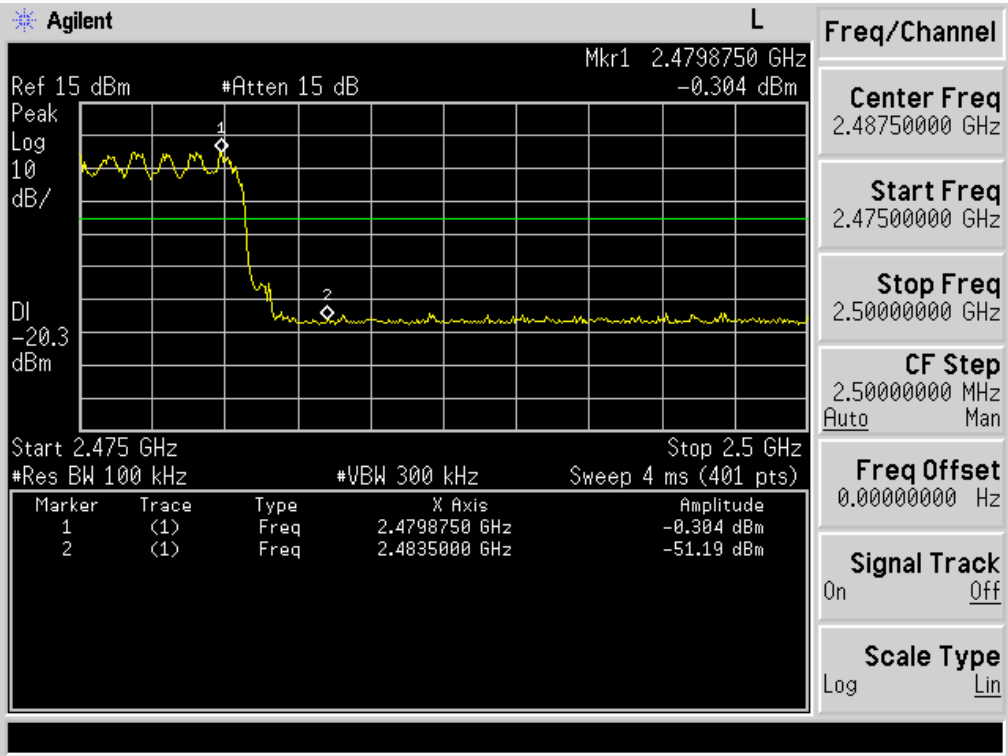
NOTE:

Hopping enabled and disabled have evaluated,and the wortest data was reported

11. ANTENNA REQUIREMENTS

11.1. Limits

For intentional device, according to FCC 47 CFR Section 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. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

11.2. Result

The antennas used for this product is FPCB antenna and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is only 2.0dBi.

12. PHOTOGRAPHS OF TEST SET-UP

Radiated Emission Test
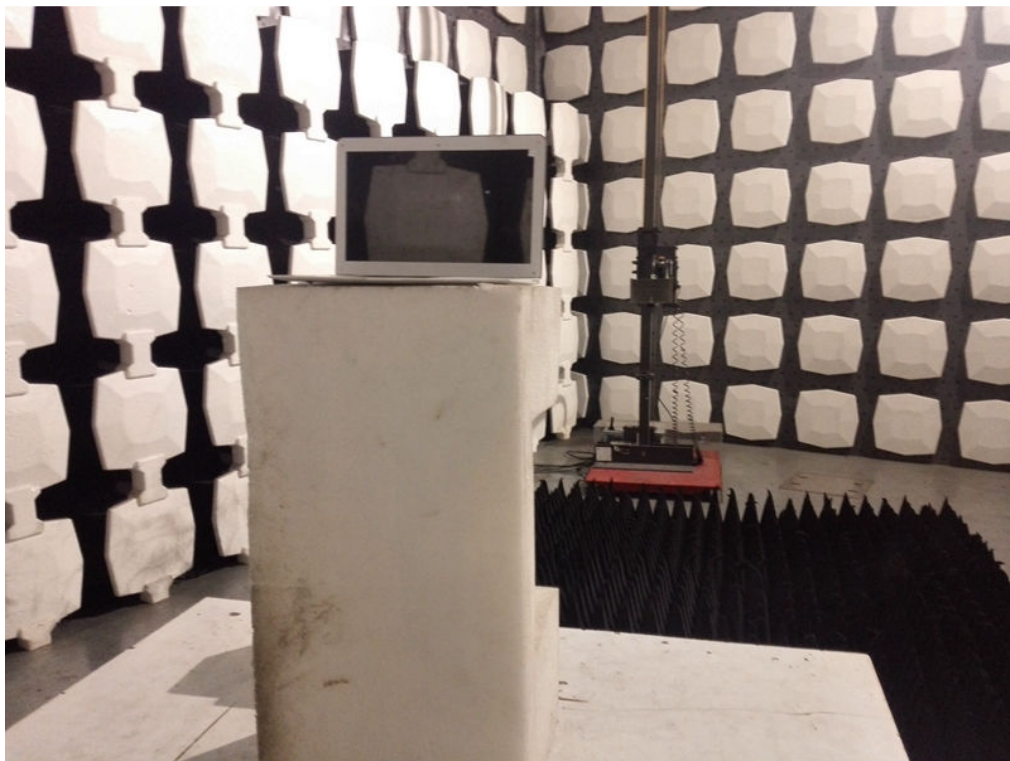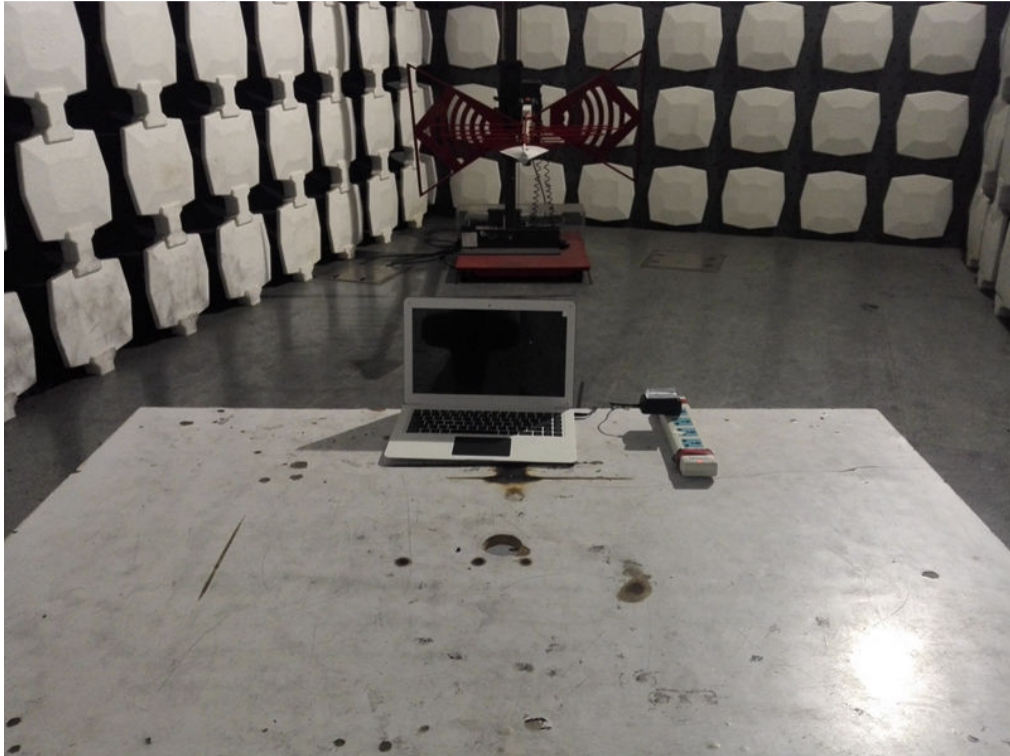
Conducted Emission

13. PHOTOGRAPHS OF THE EUT

Reference to the test report No.16KWE074020F.

------End------