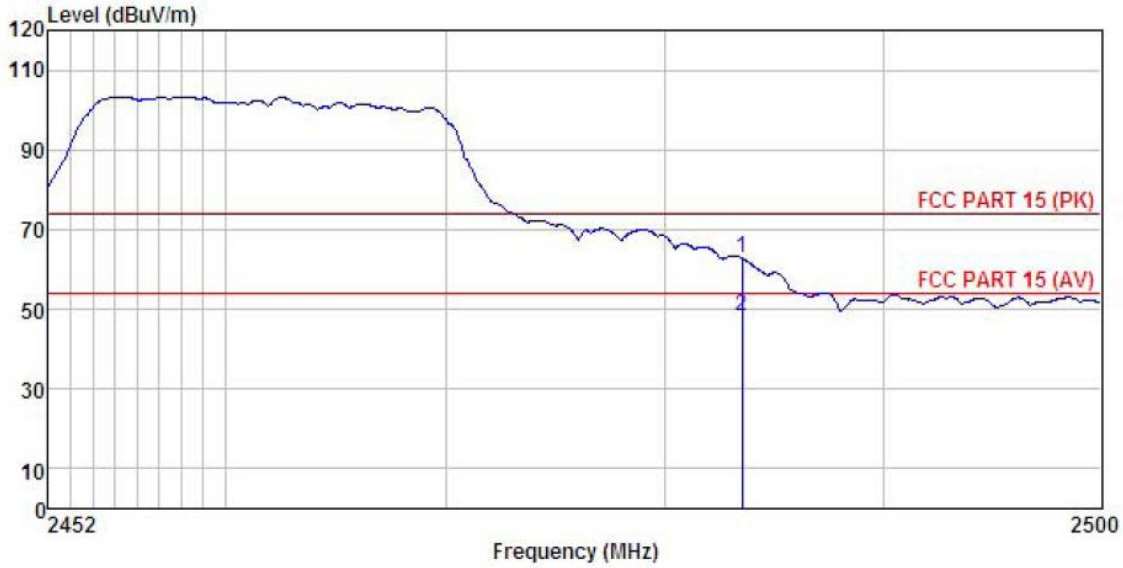
Test channel: Highest channel

Test Polarization: Horizontal



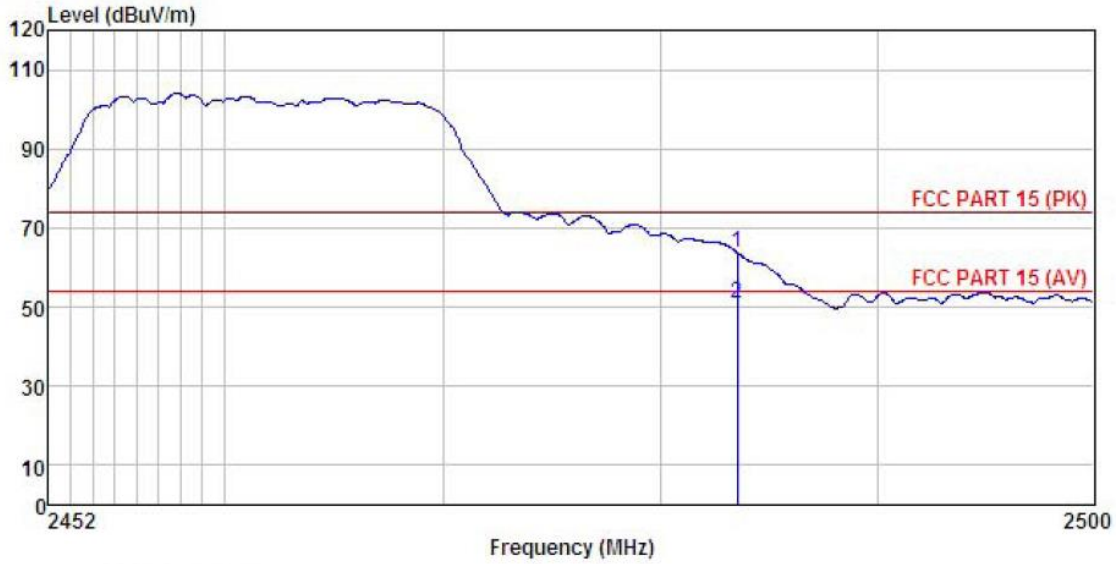

```
Site          : 3m chamber
Condition     : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
EUT           : Broadband Digital Transmission System
Model         : Jalapeno
Test mode     : 802.11g-H mode
Power Rating  : AC 120V/60Hz
Environment   : Temp:25.5'C  Huni:55%
Test Engineer: Mike
Remark        :
```

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	30.42	27.57	4.81	0.00	62.80	74.00	-11.20	Peak
2	2483.500	15.88	27.57	4.81	0.00	48.26	54.00	-5.74	Average

Remark:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test Polarization: Vertical



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
EUT : Broadband Digital Transmission System
Model : Jalapeno
Test mode : 802.11g-H mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5°C Huni:55%
Test Engineer: Mike
Remark :

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	31.33	27.57	4.81	0.00	63.71	74.00	-10.29	Peak
2	2483.500	18.40	27.57	4.81	0.00	50.78	54.00	-3.22	Average

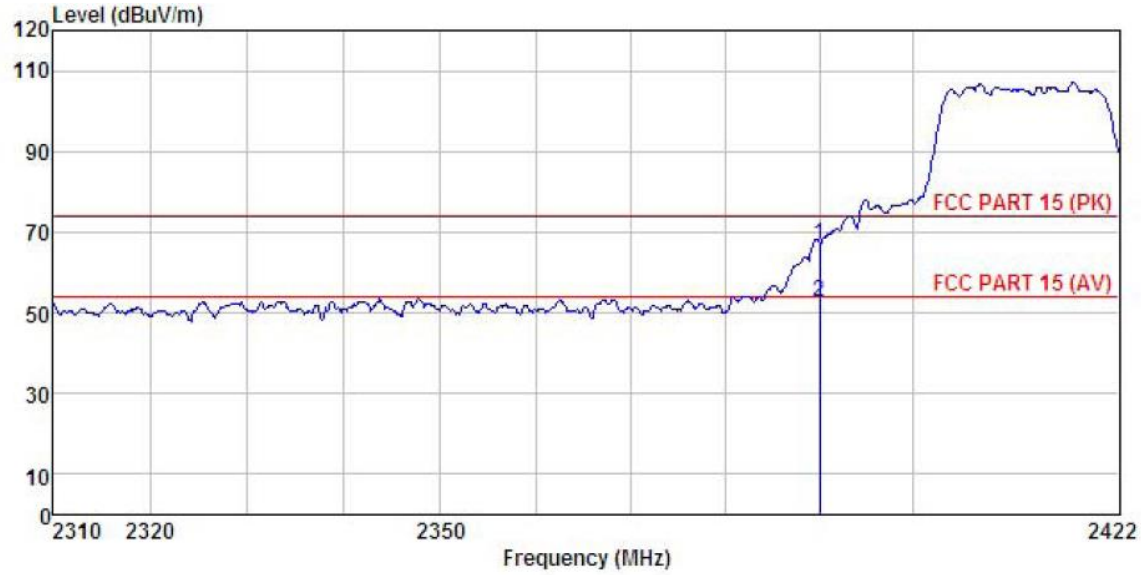
Remark:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

802.11n (HT20)

Test channel: Lowest channel

Test Polarization: Horizontal



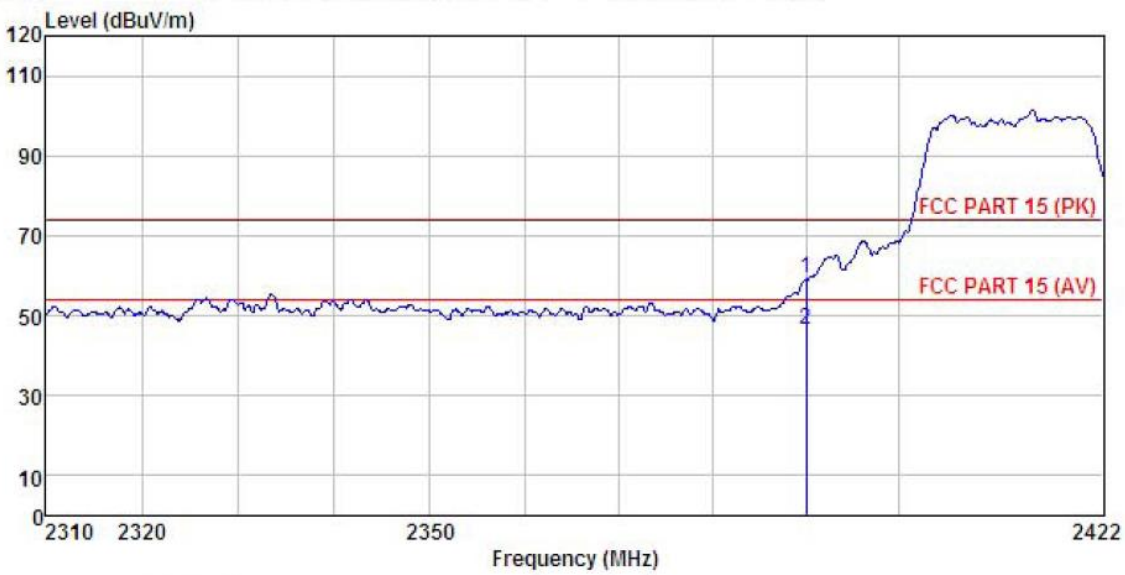

```
Site          : 3m chamber
Condition     : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
EUT           : Broadband Digital Transmission System
Model         : Jalapeno
Test mode     : 802.11n20-L mode
Power Rating  : AC 120V/60Hz
Environment   : Temp:25.5'C  Huni:55%
Test Engineer: Mike
Remark        :
```

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2390.000	34.83	27.37	4.69	0.00	66.89	74.00	-7.11	Peak
2	2390.000	20.76	27.37	4.69	0.00	52.82	54.00	-1.18	Average

Remark:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test Polarization: Vertical



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
EUT : Broadband Digital Transmission System
Model : Jalapeno
Test mode : 802.11n20-L mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5'C Huni:55%
Test Engineer: Mike
Remark :

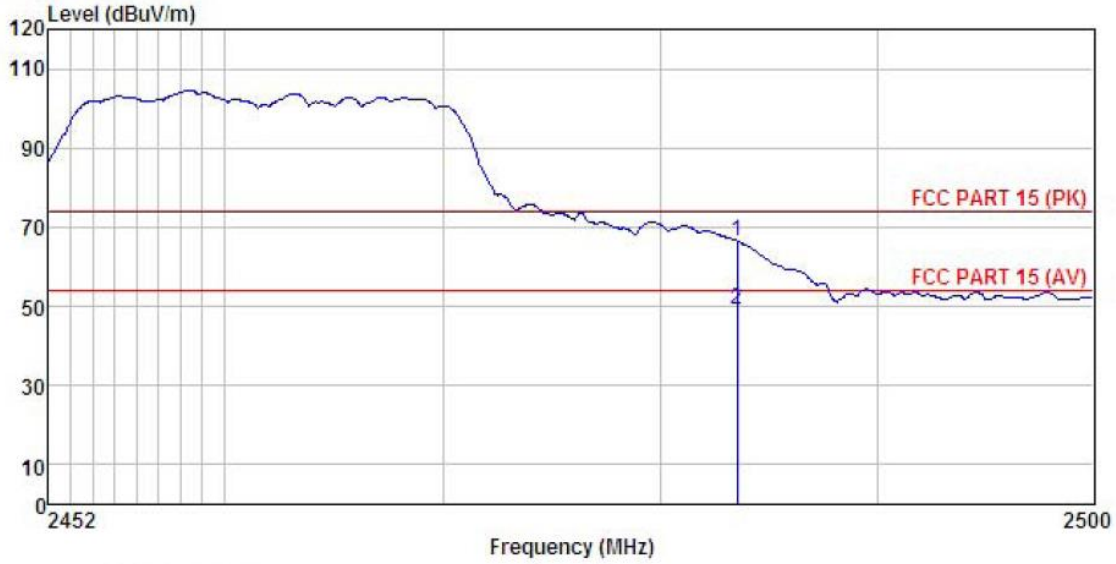
	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2390.000	27.06	27.37	4.69	0.00	59.12	74.00	-14.88	Peak
2	2390.000	14.65	27.37	4.69	0.00	46.71	54.00	-7.29	Average

Remark:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test channel: Highest channel

Test Polarization: Horizontal



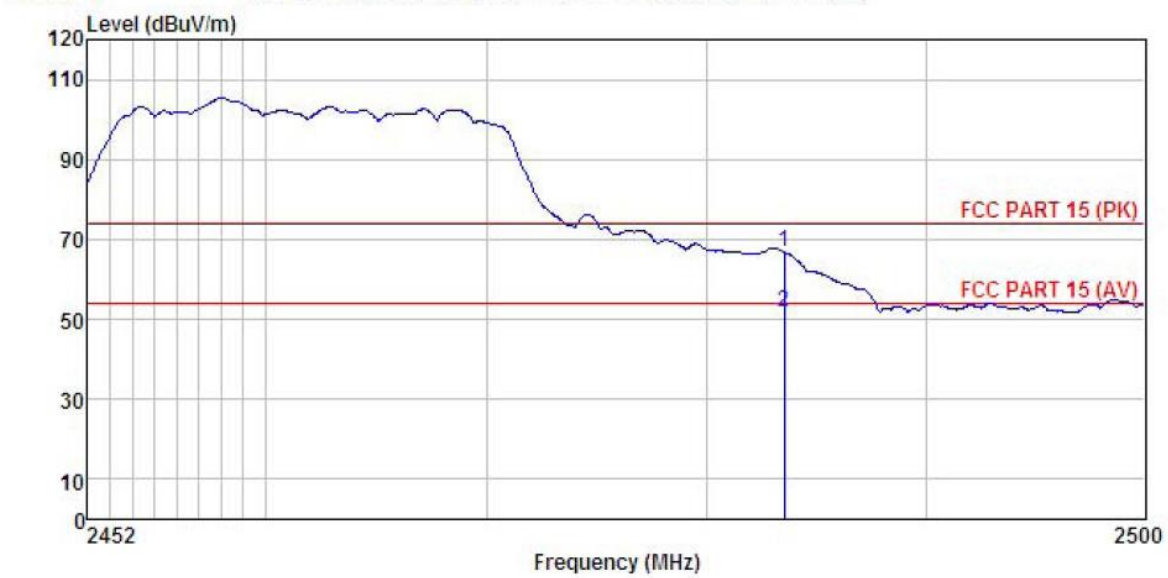
Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
EUT : Broadband Digital Transmission System
Model : Jalapeno
Test mode : 802.11n20-H mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Mike
Remark :

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	34.15	27.57	4.81	0.00	66.53	74.00	-7.47	Peak
2	2483.500	16.77	27.57	4.81	0.00	49.15	54.00	-4.85	Average

Remark:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test Polarization: Vertical




```
Site          : 3m chamber
Condition     : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
EUT           : Broadband Digital Transmission System
Model         : Jalapeno
Test mode     : 802.11n20-H mode
Power Rating  : AC 120V/60Hz
Environment   : Temp:25.5'C  Huni:55%
Test Engineer: Mike
Remark        :
```

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	34.45	27.57	4.81	0.00	66.83	74.00	-7.17	Peak
2	2483.500	19.58	27.57	4.81	0.00	51.96	54.00	-2.04	Average

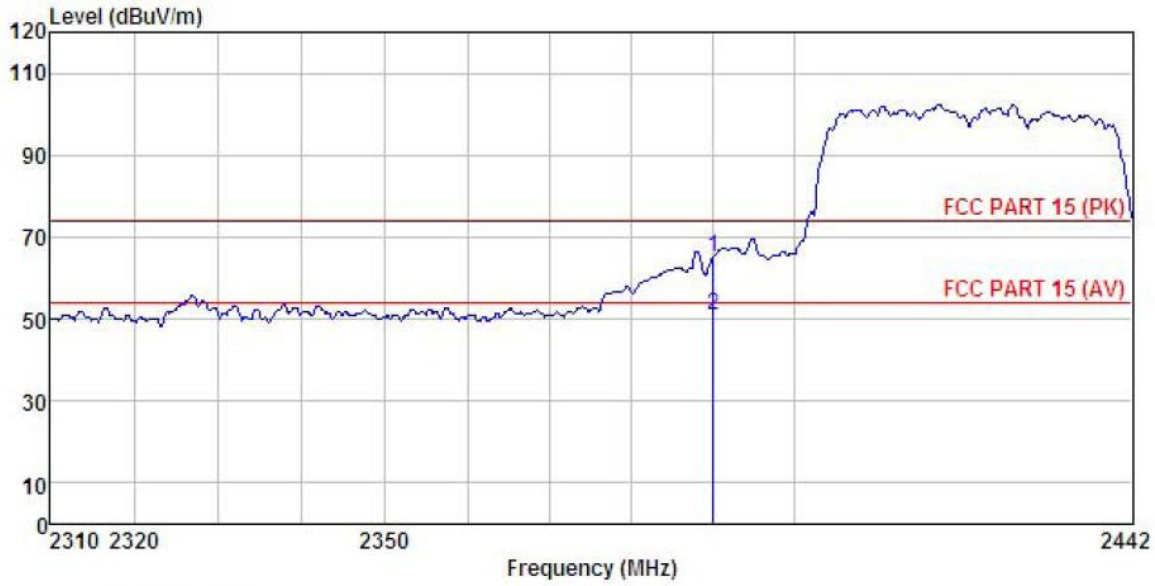
Remark:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

802.11n (HT40)

Test channel: Lowest channel

Test Polarization: Horizontal



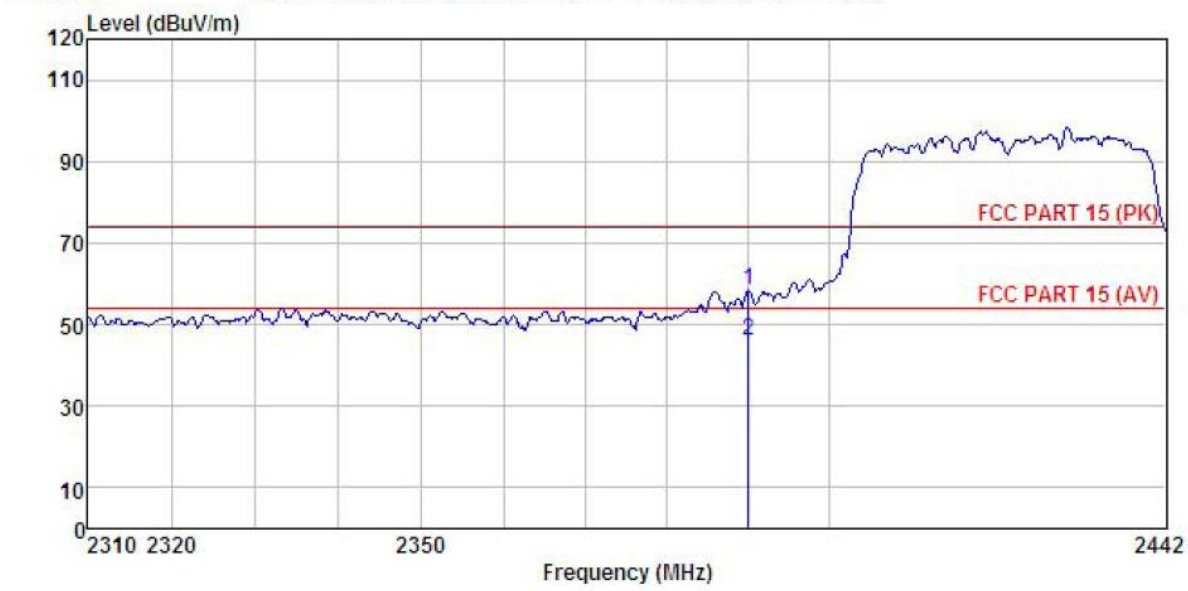
Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
EUT : Broadband Digital Transmission System
Model : Jalapeno
Test mode : 802.11n40-L mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5°C Huni:55%
Test Engineer: Mike
Remark :

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2390.000	33.14	27.37	4.69	0.00	65.20	74.00	-8.80	Peak
2	2390.000	18.88	27.37	4.69	0.00	50.94	54.00	-3.06	Average

Remark:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test Polarization: Vertical



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
EUT : Broadband Digital Transmission System
Model : Jalapeno
Test mode : 802.11n40-L mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Mike
Remark :

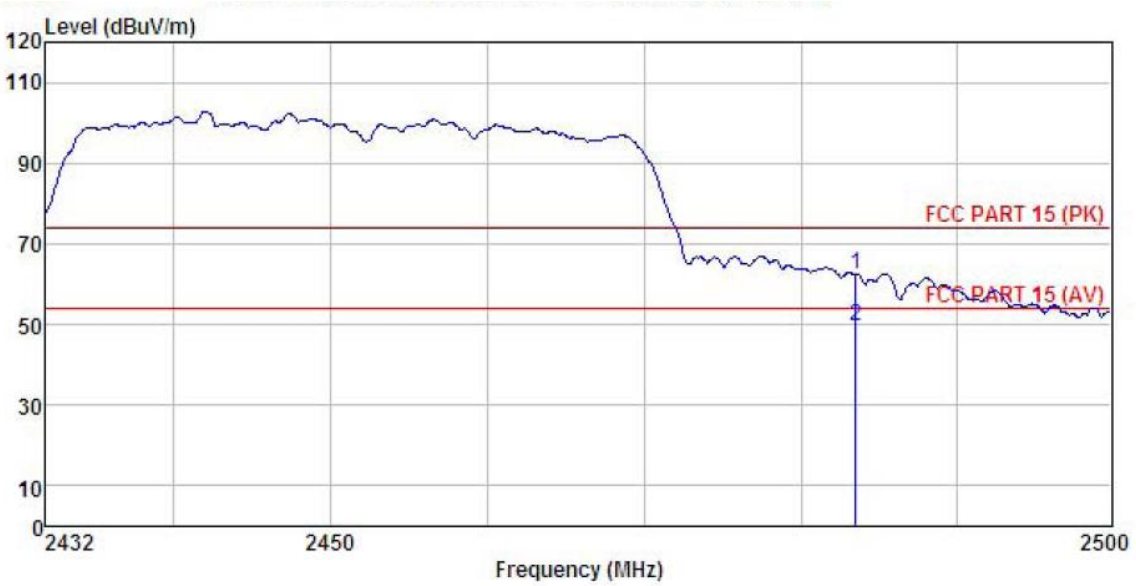
	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2390.000	26.23	27.37	4.69	0.00	58.29	74.00	-15.71	Peak
2	2390.000	13.94	27.37	4.69	0.00	46.00	54.00	-8.00	Average

Remark:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test channel: Highest channel

Test Polarization: Horizontal



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
EUT : Broadband Digital Transmission System
Model : Jalapeno
Test mode : 802.11n40-H mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Mike
Remark :

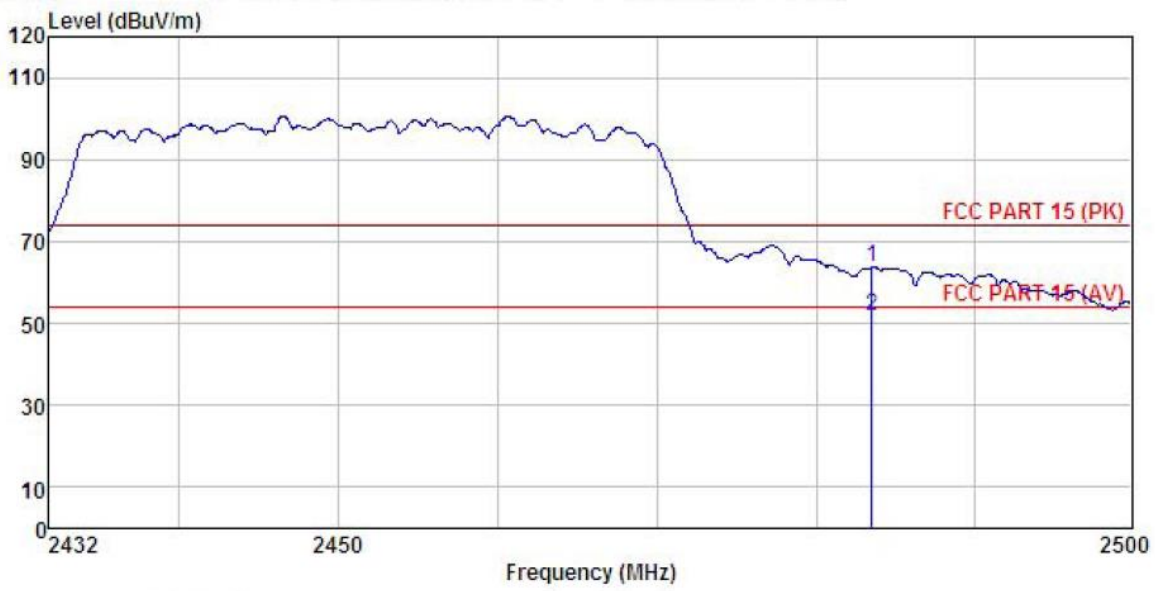
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	30.20	27.57	4.81	0.00	62.58	74.00	-11.42	Peak
2	2483.500	17.03	27.57	4.81	0.00	49.41	54.00	-4.59	Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test Polarization: Vertical



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
EUT : Broadband Digital Transmission System
Model : Jalapeno
Test mode : 802.11n40-H mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5°C Huni:55%
Test Engineer: Mike
Remark :

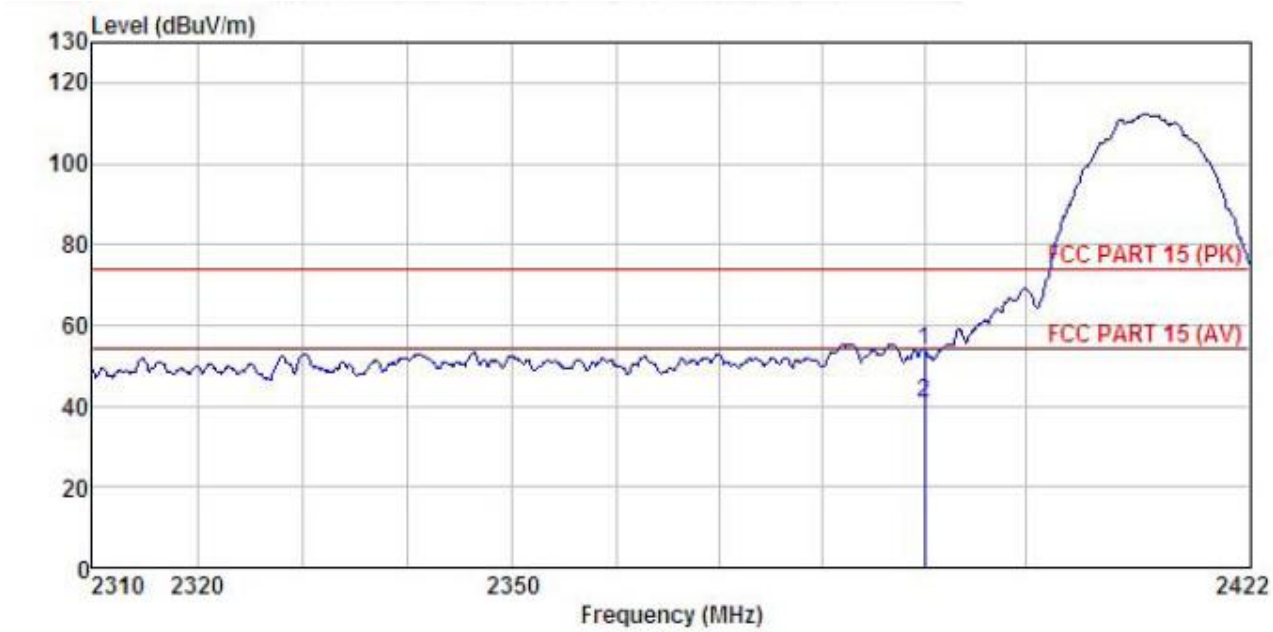
	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	31.24	27.57	4.81	0.00	63.62	74.00	-10.38	Peak
2	2483.500	19.57	27.57	4.81	0.00	51.95	54.00	-2.05	Average

Remark:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

10dBi ANT

802.11b
Test channel: Lowest channel
Test Polarization: Horizontal




```
Site          : 3m chamber
Condition     : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
EUT           : Broadband Digital Transmission System
Model         : Jalapeno
Test mode     : 802.11b-L mode
Power Rating  : AC 120V/60Hz
Environment   : Temp:25.5'C  Huni:55%
Test Engineer: Mike
Remark        : ANT 0 -H
```

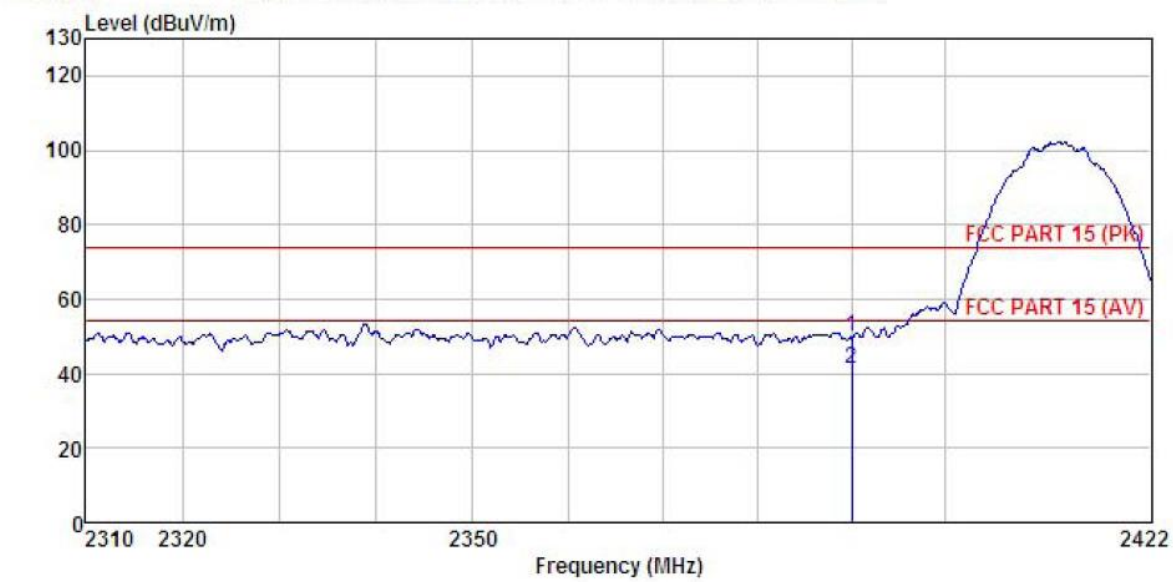
	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2390.000	21.86	27.37	4.69	0.00	53.92	74.00	-20.08	Peak
2	2390.000	8.79	27.37	4.69	0.00	40.85	54.00	-13.15	Average

Remark:

3. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test Polarization: Vertical



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
EUT : Broadband Digital Transmission System
Model : Jalapeno
Test mode : 802.11b-L mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5'C Huni:55%
Test Engineer: Mike
Remark : ANT 0 -H

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2390.000	17.74	27.37	4.69	0.00	49.80	74.00	-24.20	Peak
2	2390.000	9.23	27.37	4.69	0.00	41.29	54.00	-12.71	Average

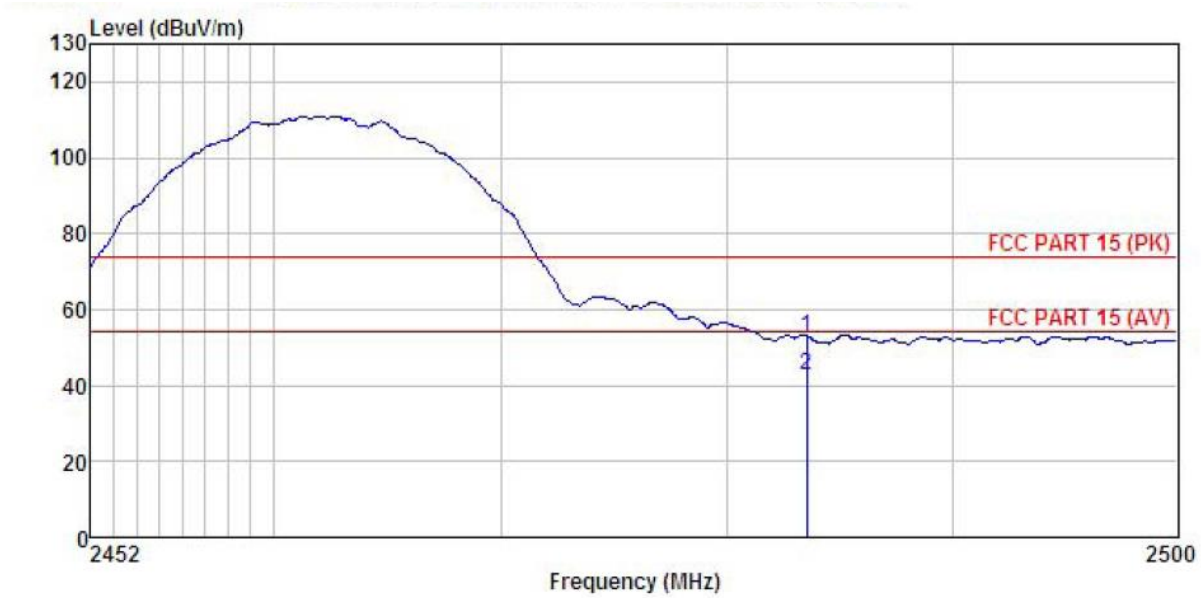
Remark:

3. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test channel: Highest channel

Test Polarization: Horizontal



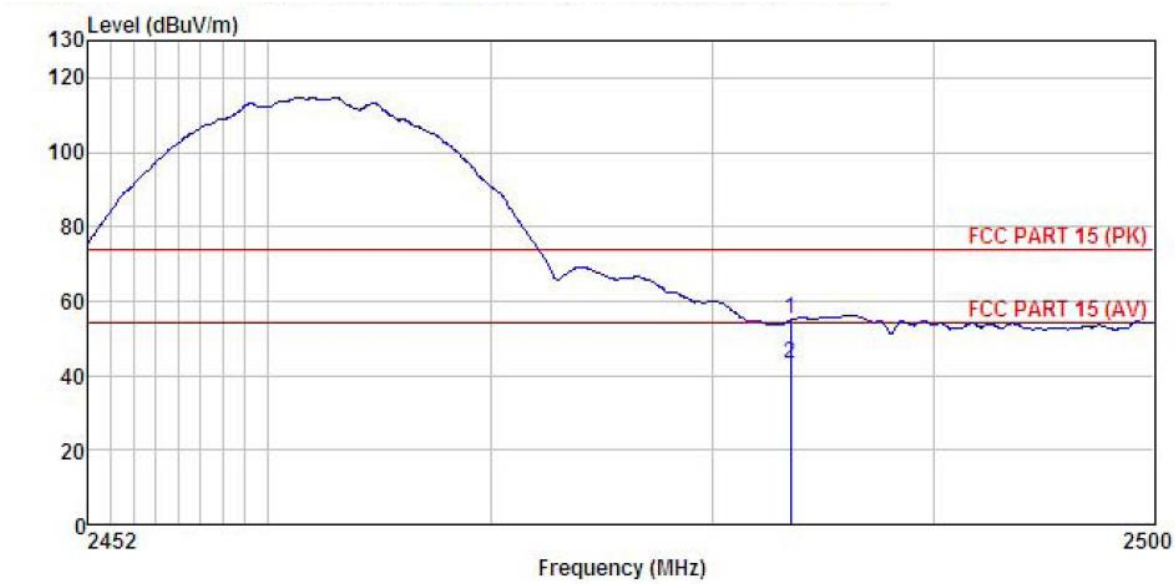

```
Site          : 3m chamber
Condition     : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
EUT           : Broadband Digital Transmission System
Model         : Jalapeno
Test mode     : 802.11b-H mode
Power Rating  : AC 120V/60Hz
Environment   : Temp:25.5℃  Huni:55%
Test Engineer: Mike
Remark        : ANT 0-H P-20
                 ReadAntenna  Cable Preamp          Limit   Over
           Freq  Level Factor   Loss Factor  Level   Line  Limit Remark
      --------- ------ ------ ------ ------ ------ ------ ------ ----------
            MHz   dBuV   dB/m     dB     dB dBuV/m dBuV/m     dB

  1   2483.500  20.52  27.57   4.81   0.00  52.90  74.00 -21.10 Peak
  2   2483.500  10.22  27.57   4.81   0.00  42.60  54.00 -11.40 Average
```

Remark:

3. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test Polarization: Vertical



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
EUT : Broadband Digital Transmission System
Model : Jalapeno
Test mode : 802.11b-H mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5'C Huni:55%
Test Engineer: Mike
Remark : ANT 1-V P-20

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	22.61	27.57	4.81	0.00	54.99	74.00	-19.01	Peak
2	2483.500	10.59	27.57	4.81	0.00	42.97	54.00	-11.03	Average

Remark:

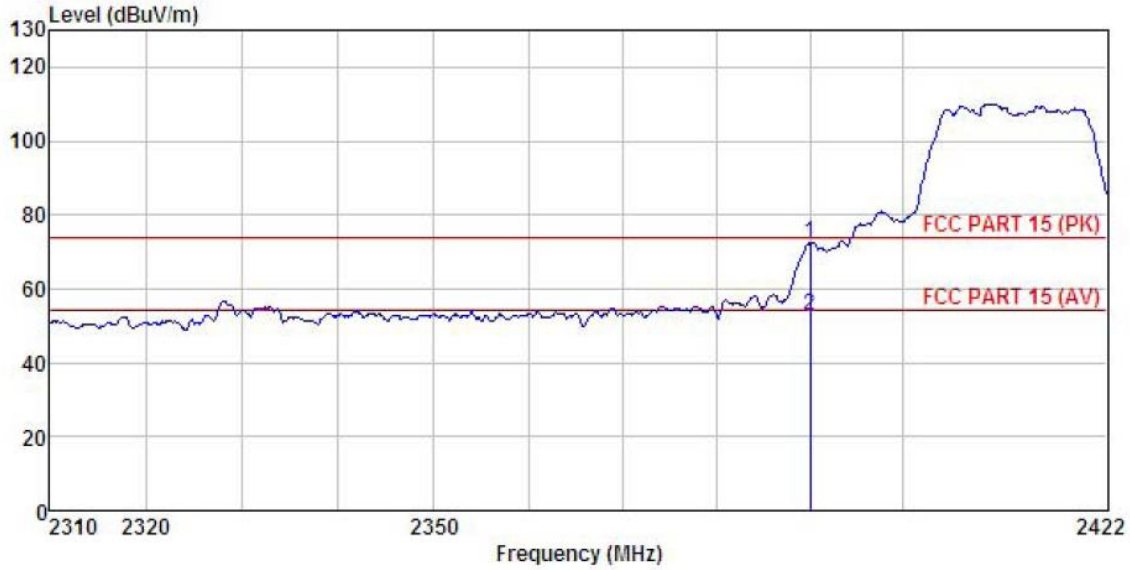
3. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

802.11g

Test channel: Lowest channel

Test Polarization: Horizontal



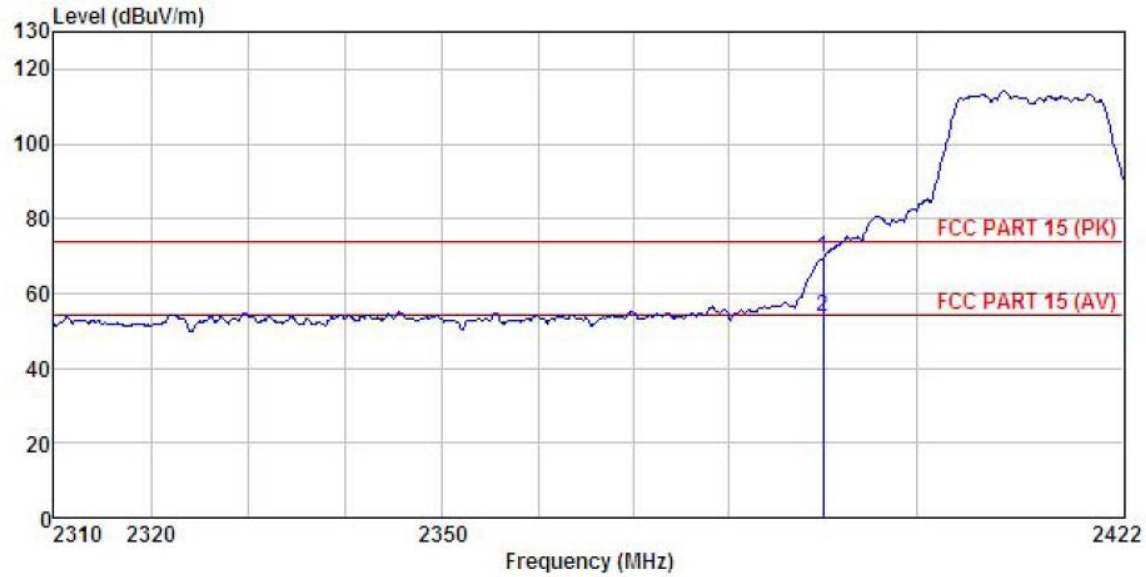

```
Site          : 3m chamber
Condition     : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
EUT           : Broadband Digital Transmission System
Model         : Jalapeno
Test mode     : 802.11g-L mode
Power Rating  : AC 120V/60Hz
Environment   : Temp:25.5'C  Huni:55%
Test Engineer: Mike
Remark        : ANT 0 -H P-17
                 ReadAntenna  Cable Preamp          Limit   Over
           Freq  Level Factor   Loss Factor  Level   Line  Limit Remark
        --------- ------ ------ ------ ------ ------ ------ ------ ----------
              MHz   dBuV   dB/m     dB     dB dBuV/m dBuV/m     dB

   1   2390.000  40.50  27.37   4.69   0.00  72.56  74.00  -1.44 Peak
   2   2390.000  20.71  27.37   4.69   0.00  52.77  54.00  -1.23 Average
```

Remark:

3. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test Polarization: Vertical




```
Site          : 3m chamber
Condition     : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
EUT           : Broadband Digital Transmission System
Model         : Jalapeno
Test mode     : 802.11g-L mode
Power Rating  : AC 120V/60Hz
Environment   : Temp:25.5'C  Huni:55%
Test Engineer: Mike
Remark        : ANT 1 -V P-17
```

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2390.000	37.34	27.37	4.69	0.00	69.40	74.00	-4.60	Peak
2	2390.000	21.54	27.37	4.69	0.00	53.60	54.00	-0.40	Average

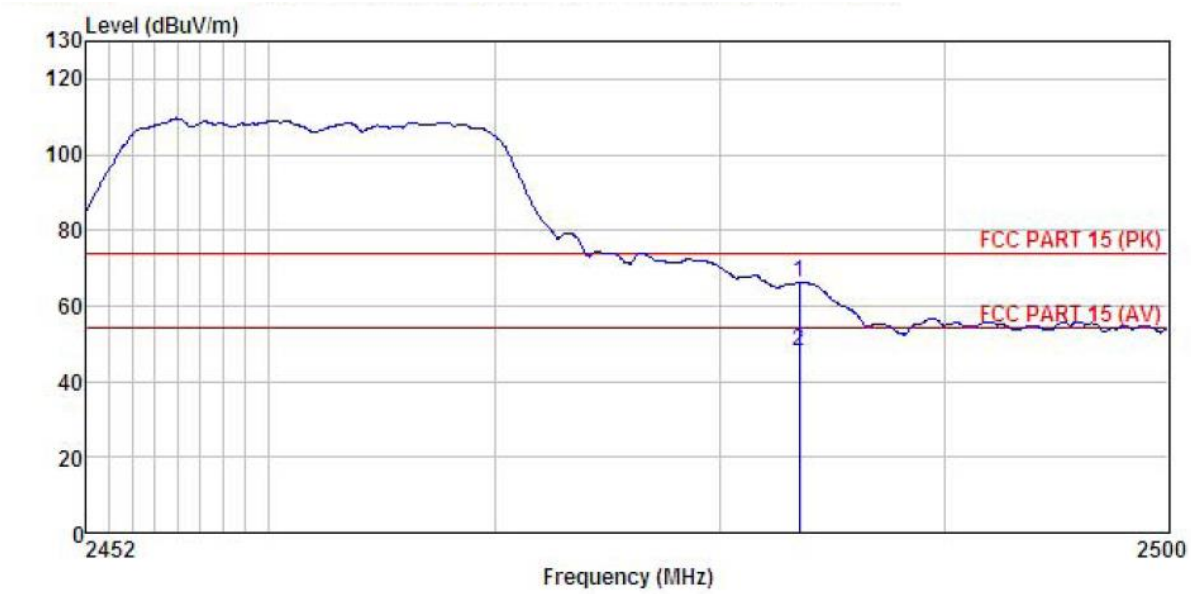
Remark:

3. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test channel: Highest channel

Test Polarization: Horizontal



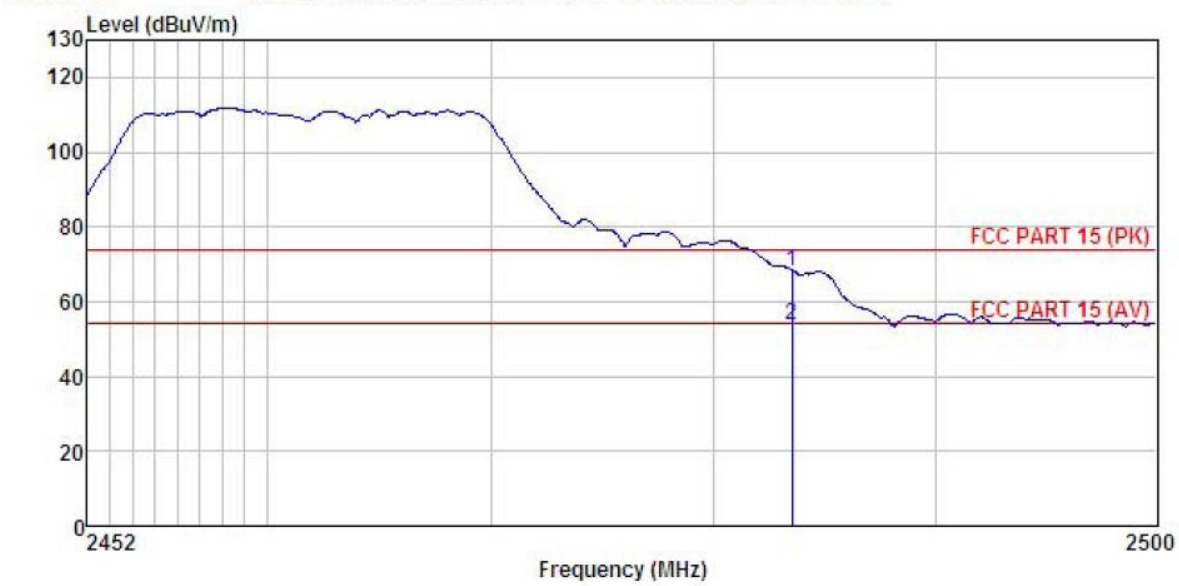

```
Site          : 3m chamber
Condition     : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
EUT           : Broadband Digital Transmission System
Model         : Jalapeno
Test mode     : 802.11g-H mode
Power Rating  : AC 120V/60Hz
Environment   : Temp:25.5'C  Huni:55%
Test Engineer: Mike
Remark        : ANT 0-H P-17
                 ReadAntenna  Cable Preamp          Limit   Over
           Freq  Level Factor   Loss Factor  Level   Line  Limit Remark
        --------- ------ ------ ------ ------ ------ ------ ------ ----------
               MHz  dBuV   dB/m     dB     dB dBuV/m dBuV/m     dB

  1   2483.500  33.69  27.57   4.81   0.00  66.07  74.00  -7.93 Peak
  2   2483.500  15.44  27.57   4.81   0.00  47.82  54.00  -6.18 Average
```

Remark:

3. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test Polarization: Vertical



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
EUT : Broadband Digital Transmission System
Model : Jalapeno
Test mode : 802.11g-H mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Mike
Remark : ANT 1-V P-17

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	35.89	27.57	4.81	0.00	68.27	74.00	-5.73	Peak
2	2483.500	21.35	27.57	4.81	0.00	53.73	54.00	-0.27	Average

Remark:

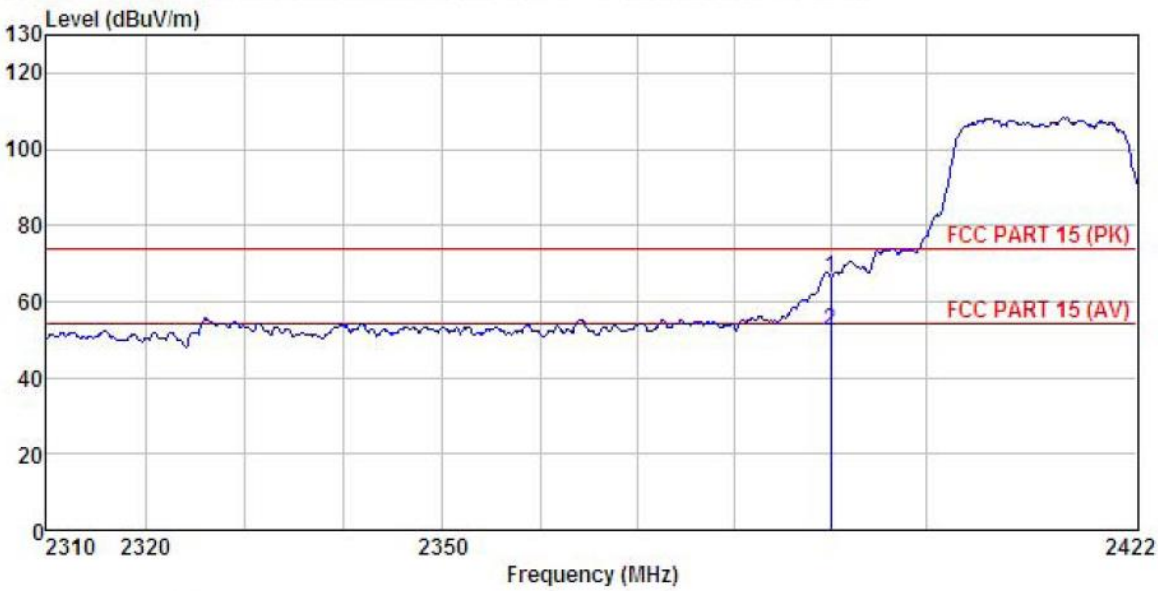
3. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

802.11n (HT20)

Test channel: Lowest channel

Test Polarization: Horizontal




```
Site          : 3m chamber
Condition     : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
EUT           : Broadband Digital Transmission System
Model         : Jalapeno
Test mode     : 802.11n20-L mode
Power Rating  : AC 120V/60Hz
Environment   : Temp:25.5'C  Huni:55%
Test Engineer: Mike
Remark        : ANT 0-HP-16
```

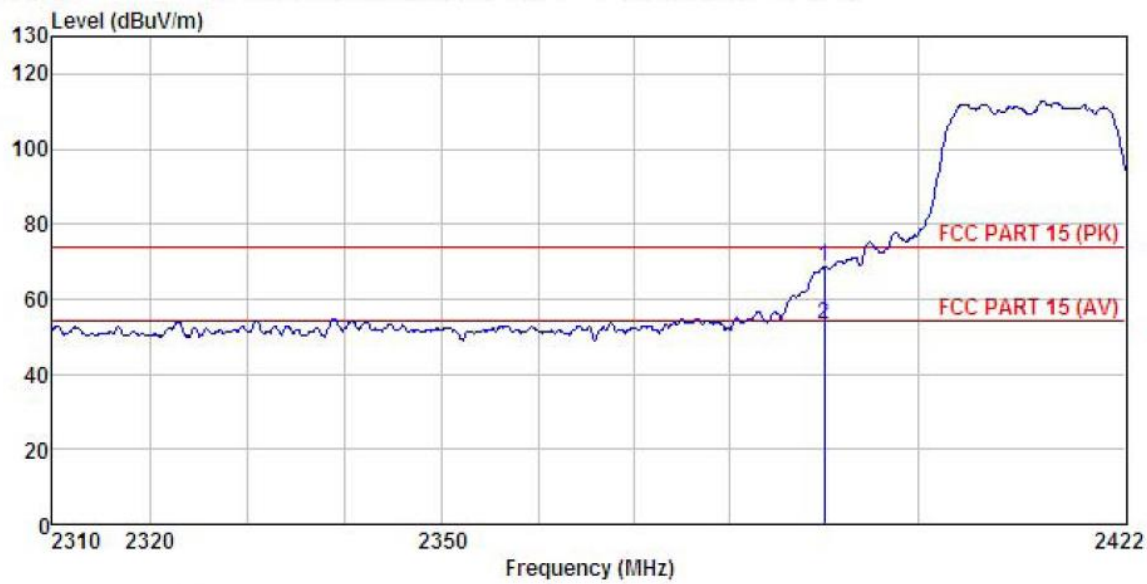
	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2390.000	33.90	27.37	4.69	0.00	65.96	74.00	-8.04	Peak
2	2390.000	20.01	27.37	4.69	0.00	52.07	54.00	-1.93	Average

Remark:

3. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test Polarization: Vertical




```
Site          : 3m chamber
Condition     : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
EUT           : Broadband Digital Transmission System
Model         : Jalapeno
Test mode     : 802.11n20-L mode
Power Rating  : AC 120V/60Hz
Environment   : Temp:25.5℃  Huni:55%
Test Engineer: Mike
Remark        : ANT 1 -V P-16
                 ReadAntenna  Cable Preamp          Limit   Over
           Freq  Level Factor   Loss Factor  Level   Line  Limit Remark
        --------- ------ ------ ------ ------ ------ ------ ------ ----------
               MHz   dBuV   dB/m     dB     dB dBuV/m dBuV/m     dB

  1   2390.000  36.57  27.37   4.69   0.00  68.63  74.00  -5.37 Peak
  2   2390.000  21.05  27.37   4.69   0.00  53.11  54.00  -0.89 Average
```

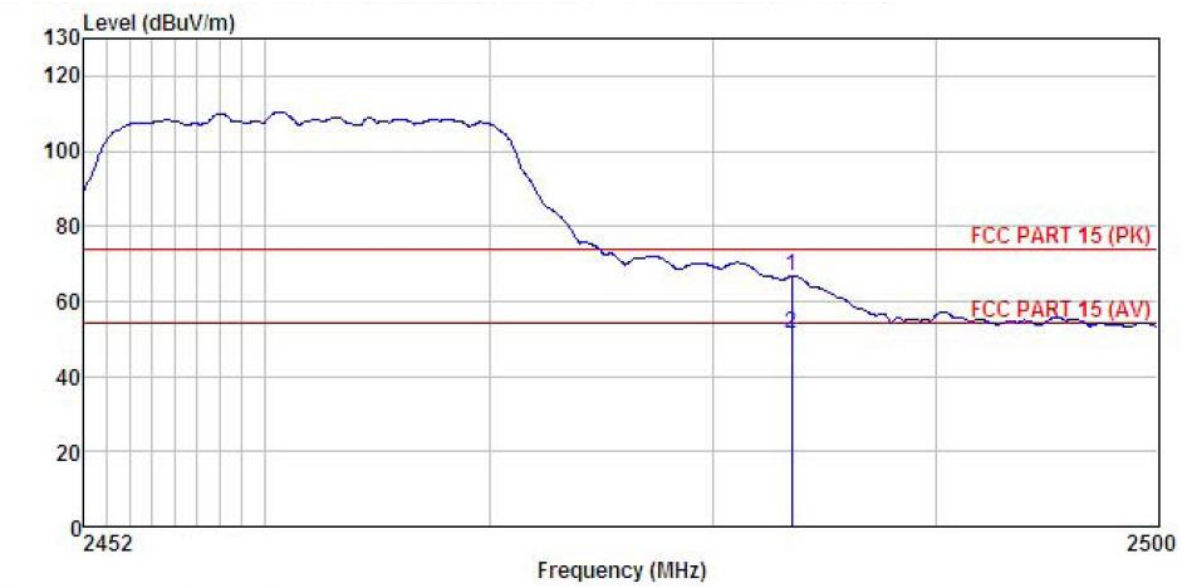
Remark:

3. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test channel: Highest channel

Test Polarization: Horizontal




```
Site          : 3m chamber
Condition     : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
EUT           : Broadband Digital Transmission System
Model         : Jalapeno
Test mode     : 802.11n20-H mode
Power Rating  : AC 120V/60Hz
Environment   : Temp:25.5'C  Huni:55%
Test Engineer: Mike
Remark        : ANT 0 -H P-16
```

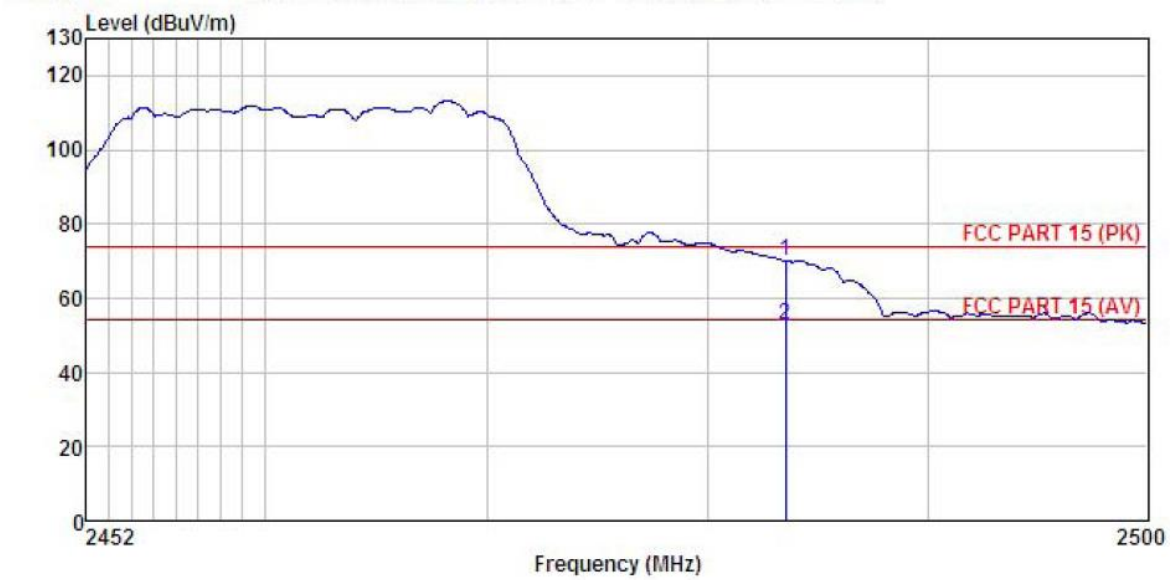
	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	34.35	27.57	4.81	0.00	66.73	74.00	-7.27	Peak
2	2483.500	18.73	27.57	4.81	0.00	51.11	54.00	-2.89	Average

Remark:

3. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test Polarization: Vertical



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
EUT : Broadband Digital Transmission System
Model : Jalapeno
Test mode : 802.11n20-H mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5'C Huni:55%
Test Engineer: Mike
Remark : ANT 1-V P-16

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	37.60	27.57	4.81	0.00	69.98	74.00	-4.02	Peak
2	2483.500	20.30	27.57	4.81	0.00	52.68	54.00	-1.32	Average

Remark:

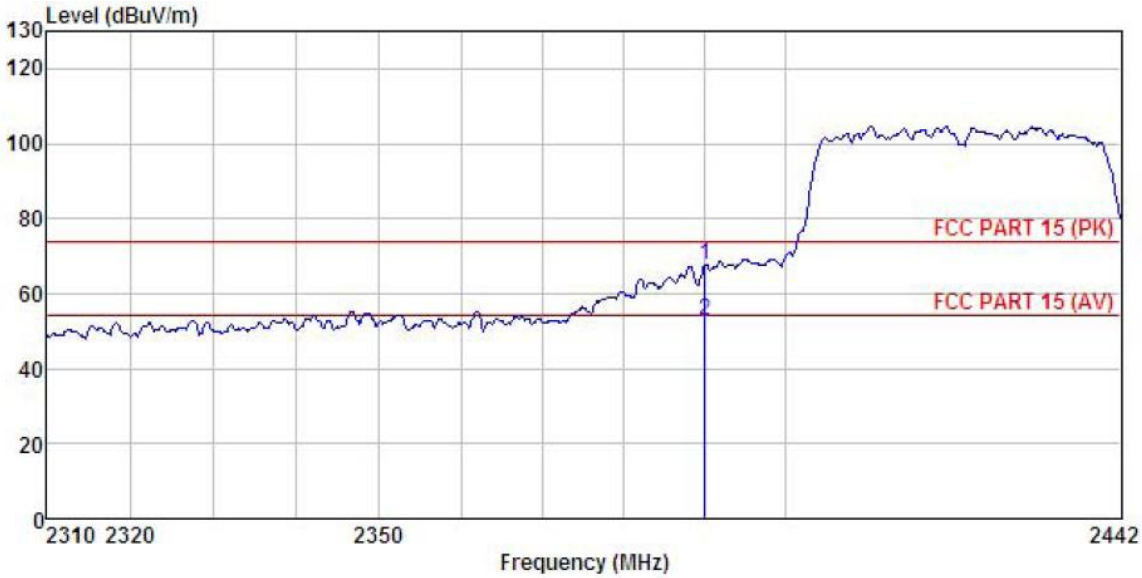
3. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

802.11n (HT40)

Test channel: Lowest channel

Test Polarization: Horizontal



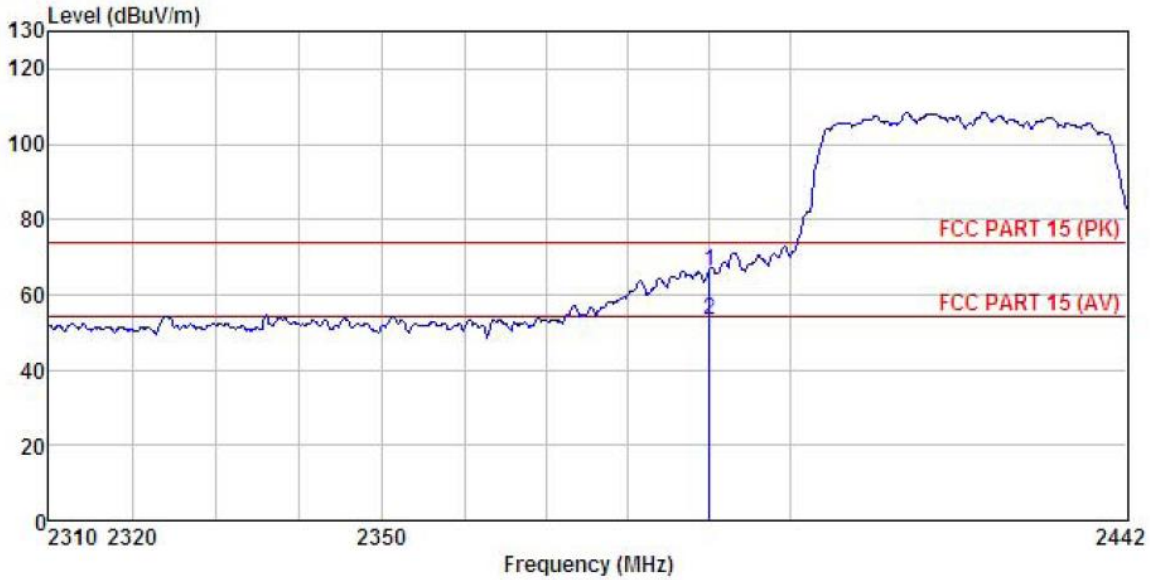

```
Site          : 3m chamber
Condition     : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
EUT           : Broadband Digital Transmission System
Model         : Jalapeno
Test mode     : 802.11n40-L mode
Power Rating  : AC 120V/60Hz
Environment   : Temp:25.5'C  Huni:55%
Test Engineer: Mike
Remark        : ANT 0 -H P-16
                 ReadAntenna  Cable Preamp          Limit   Over
           Freq  Level Factor   Loss Factor  Level   Line  Limit Remark
        ________ _____ ______ ______ ______ ______ _____ ______ ----------
             MHz  dBuV   dB/m     dB     dB dBuV/m dBuV/m     dB

  1   2390.000 35.59  27.37   4.69   0.00  67.65  74.00  -6.35 Peak
  2   2390.000 20.67  27.37   4.69   0.00  52.73  54.00  -1.27 Average
```

Remark:

3. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test Polarization: Vertical



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
EUT : Broadband Digital Transmission System
Model : Jalapeno
Test mode : 802.11n40-L mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Mike
Remark : ANT 1-V P-16

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2390.000	34.13	27.37	4.69	0.00	66.19	74.00	-7.81	Peak
2	2390.000	21.17	27.37	4.69	0.00	53.23	54.00	-0.77	Average

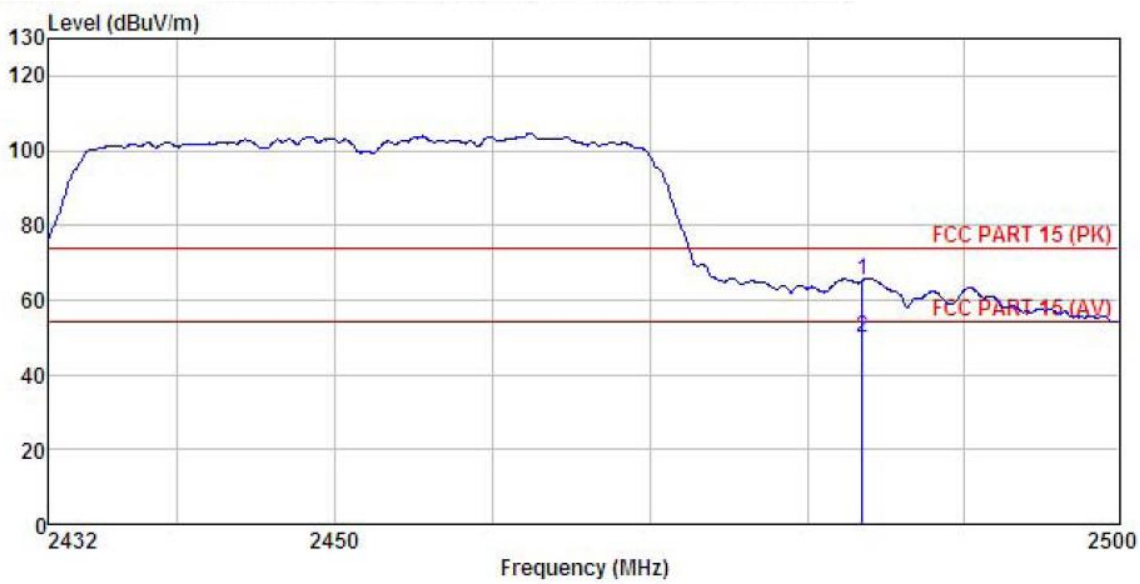
Remark:

3. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test channel: Highest channel

Test Polarization: Horizontal




```
Site          : 3m chamber
Condition     : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
EUT           : Broadband Digital Transmission System
Model         : Jalapeno
Test mode     : 802.11n40-H mode
Power Rating  : AC 120V/60Hz
Environment   : Temp:25.5'C  Huni:55%
Test Engineer: Mike
Remark        : ANT 0 -H P-16
```

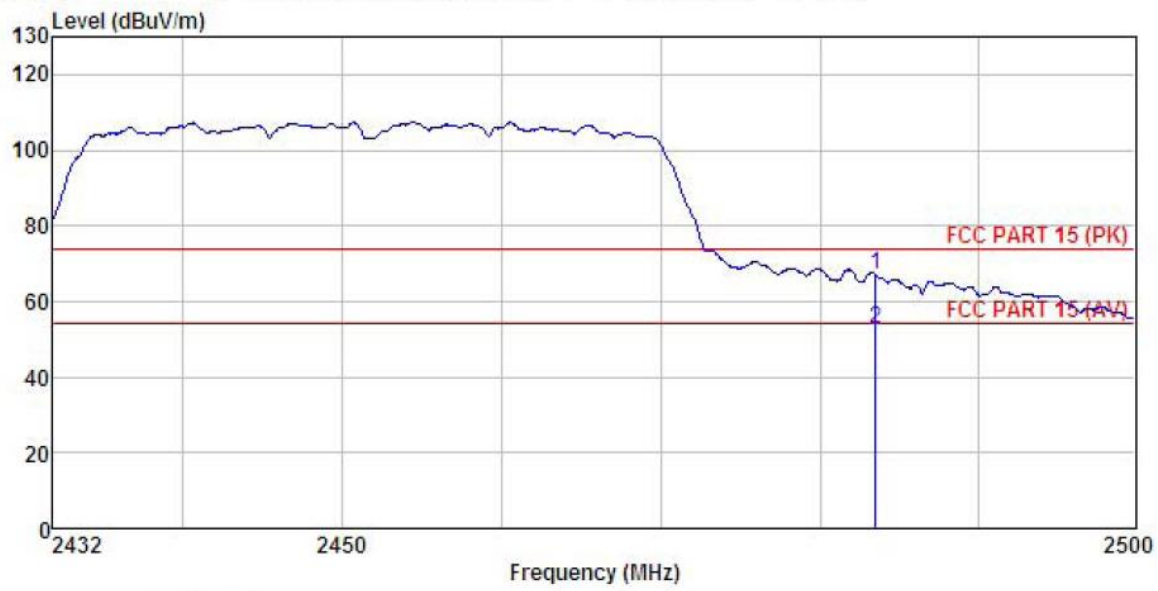
	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	32.75	27.57	4.81	0.00	65.13	74.00	-8.87	Peak
2	2483.500	17.66	27.57	4.81	0.00	50.04	54.00	-3.96	Average

Remark:

3. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test Polarization: Vertical



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
EUT : Broadband Digital Transmission System
Model : Jalapeno
Test mode : 802.11n40-H mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Mike
Remark : ANT 1 -V P-16

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	34.73	27.57	4.81	0.00	67.11	74.00	-6.89	Peak
2	2483.500	20.41	27.57	4.81	0.00	52.79	54.00	-1.21	Average

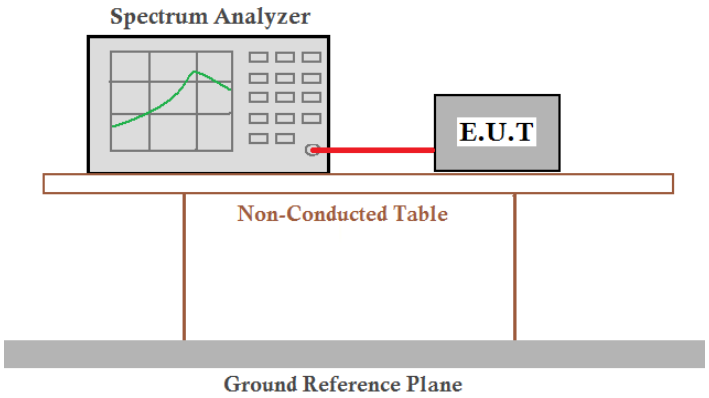
Remark:

3. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

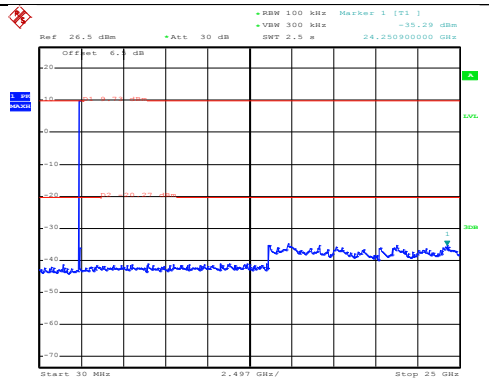
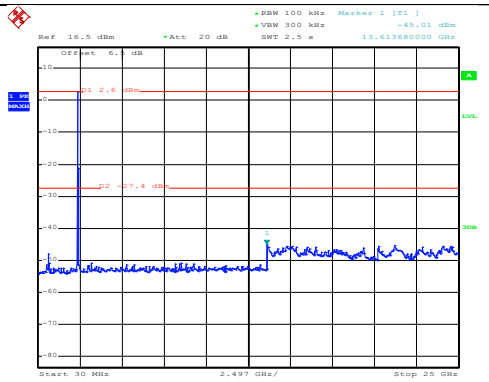
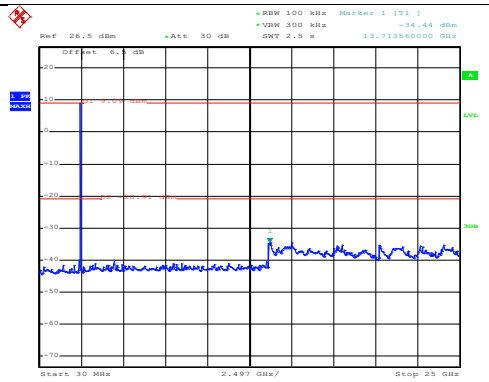
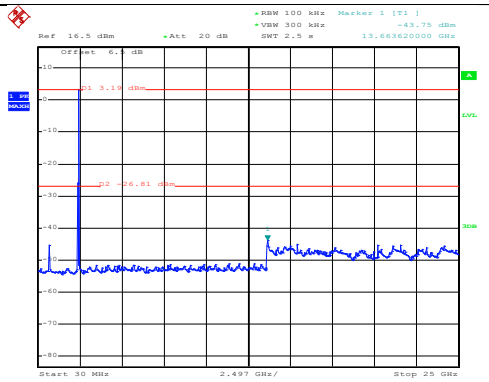
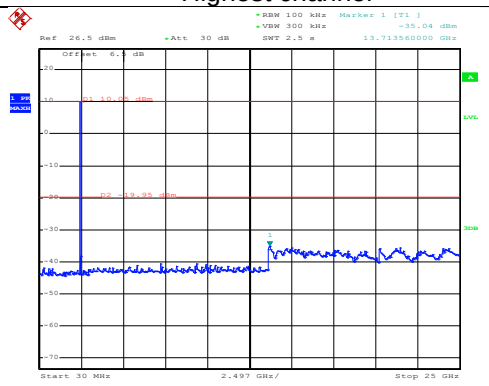
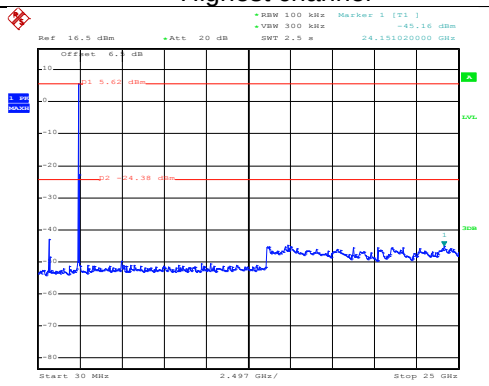
4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

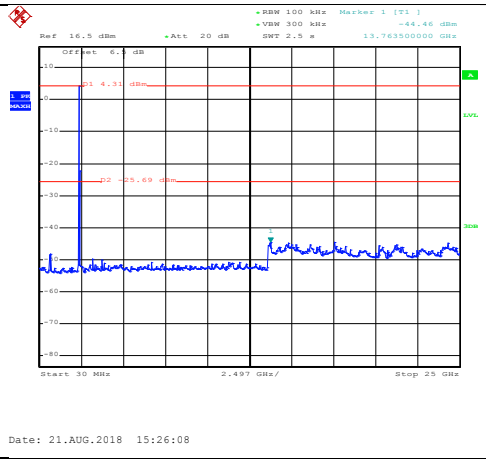
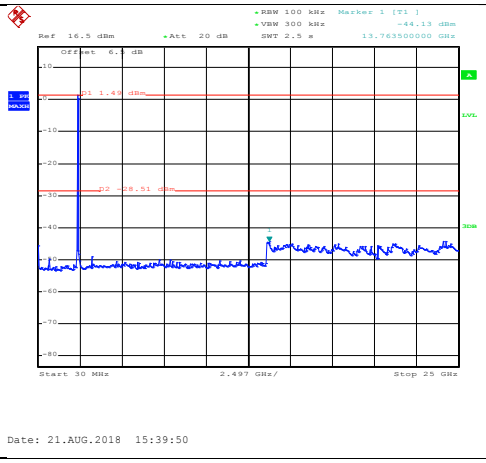
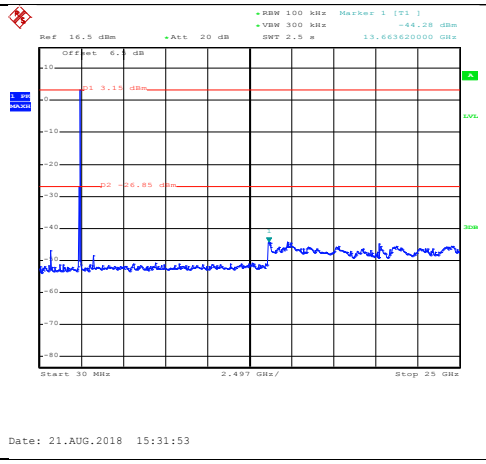
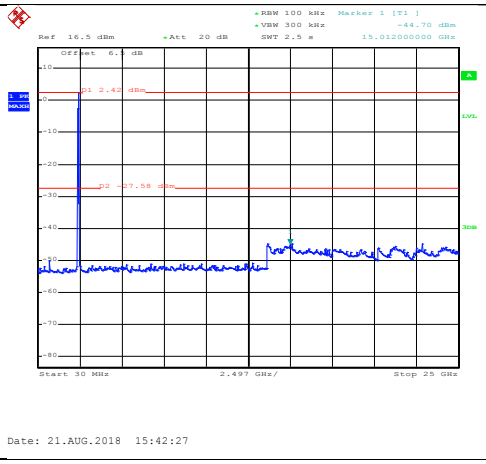
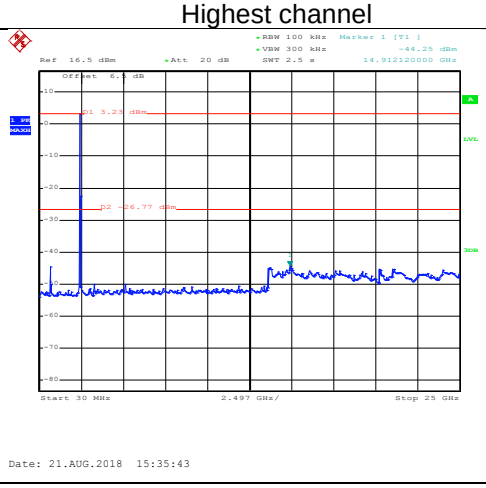
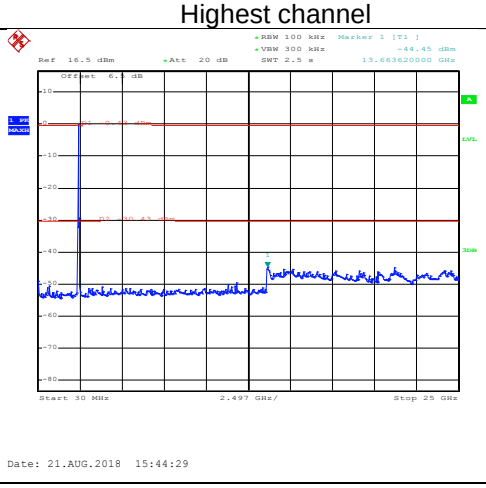
6.7 Spurious Emission

6.7.1 Conducted Emission Method

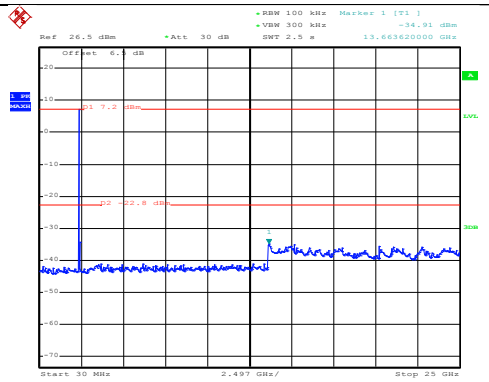
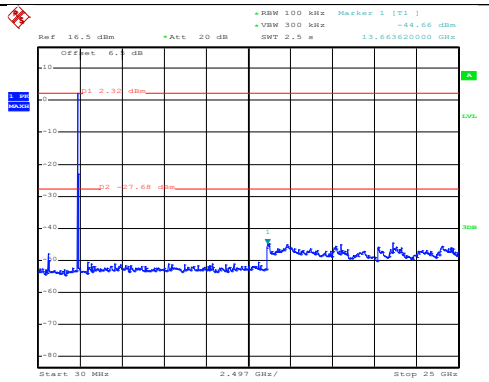
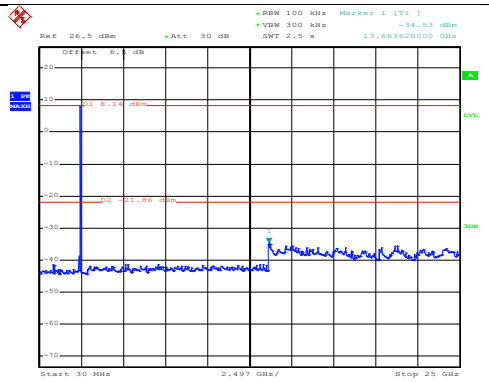
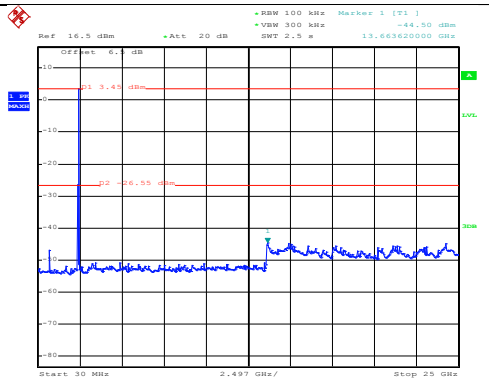
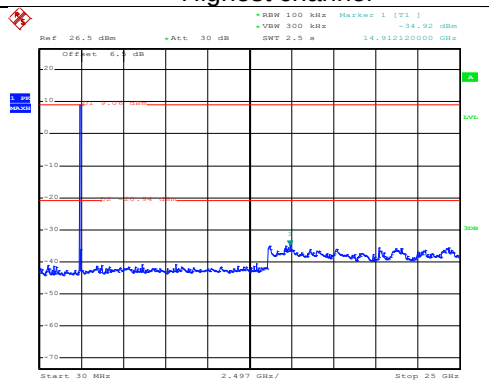
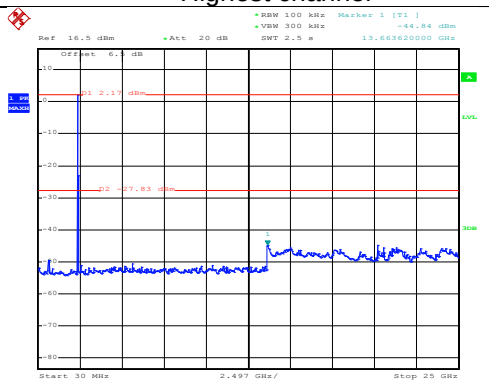
Test Requirement:	FCC Part 15 C Section 15.247 (d)
Test Method:	ANSI C63.10:2013 and KDB 558074
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at 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. 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.
Test setup:	
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

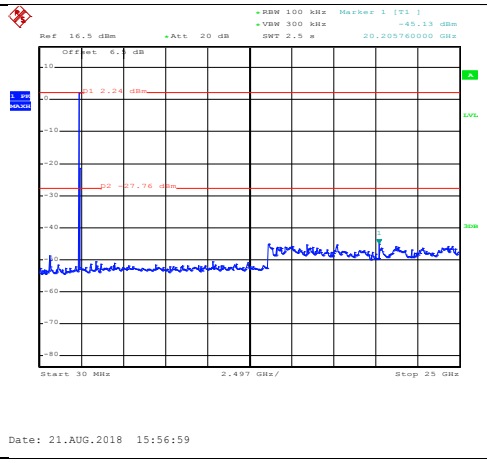
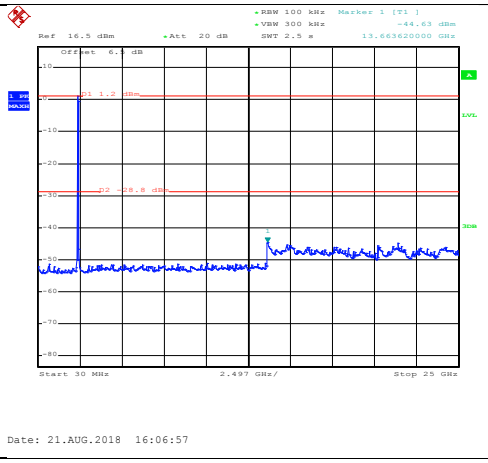
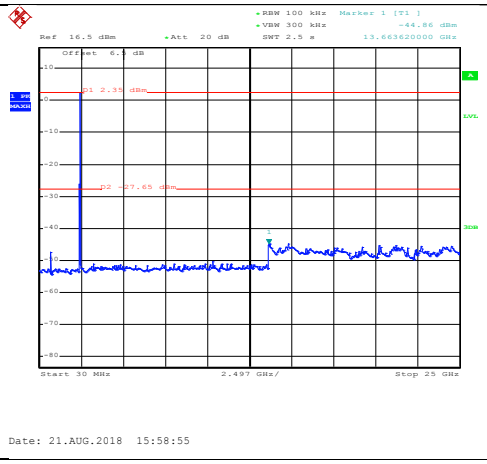
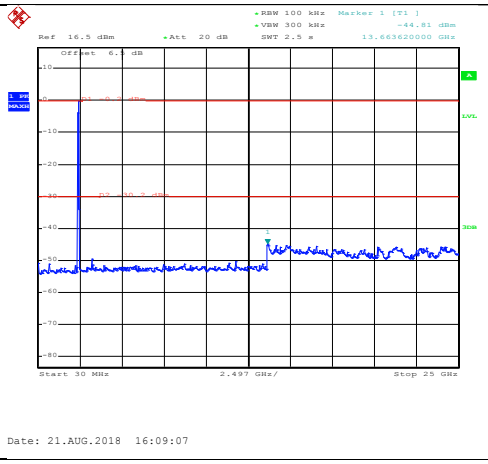
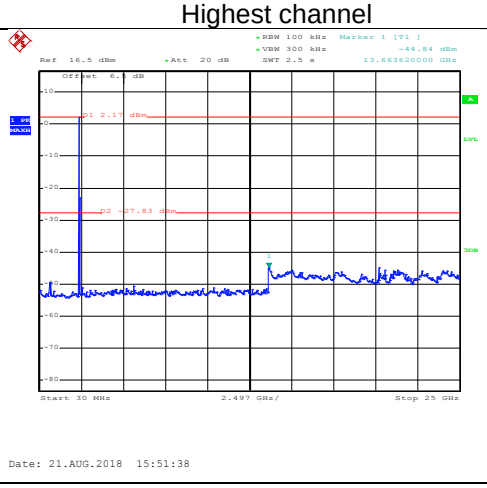
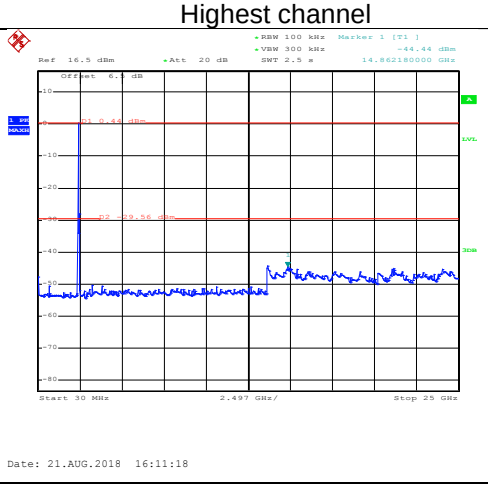
Test plot as follows:3dBi ANT TX0

Test mode: 802.11b	Test mode: 802.11g
Lowest channel	Lowest channel
	
30MHz~25GHz	30MHz~25GHz
Middle channel	Middle channel
	
30MHz~25GHz	30MHz~25GHz
Highest channel	Highest channel
	
30MHz~25GHz	30MHz~25GHz

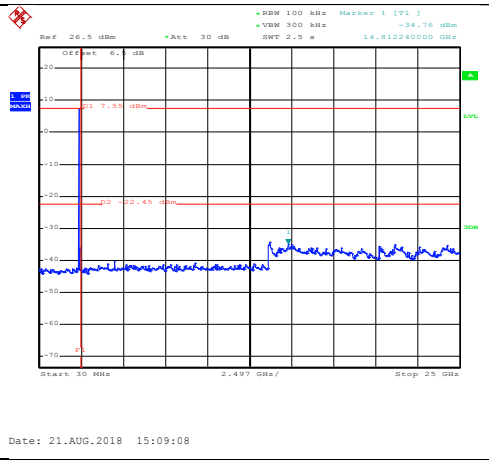
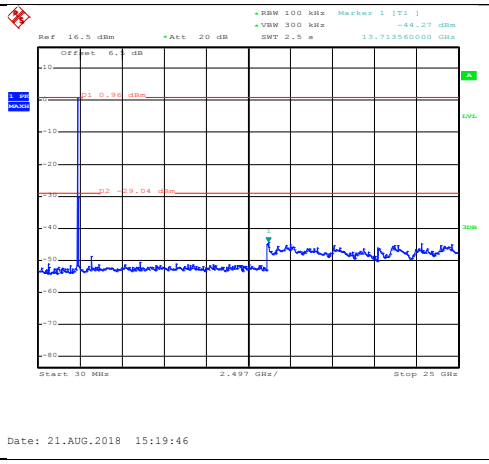
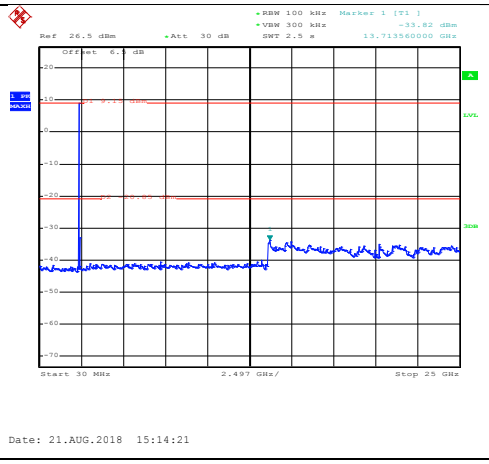
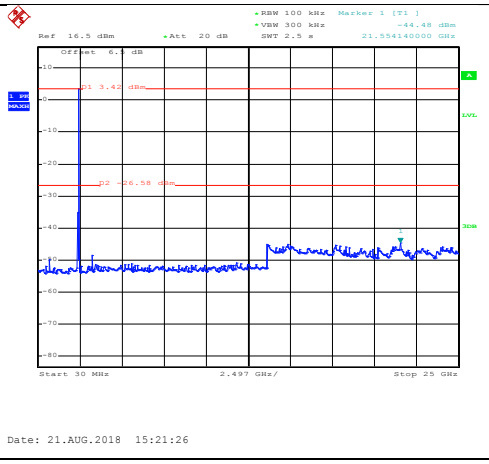
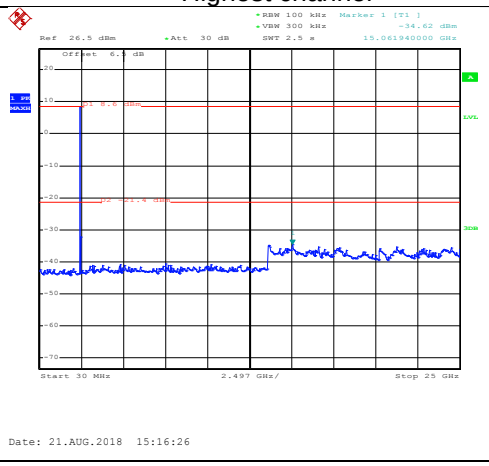
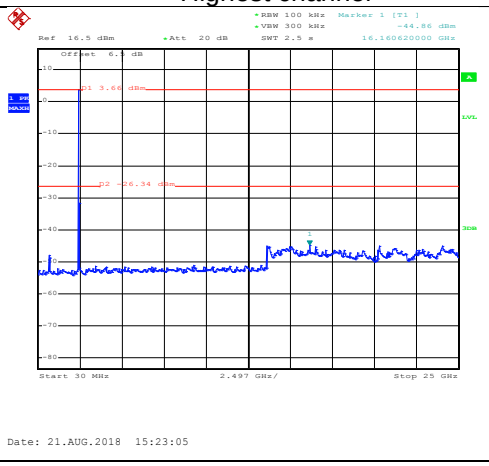
Test mode: 802.11n(HT20)	Test mode: 802.11n(HT40)
Lowest channel	Lowest channel
	
30MHz~25GHz	30MHz~25GHz
Middle channel	Middle channel
	
30MHz~25GHz	30MHz~25GHz
Highest channel	Highest channel
	
30MHz~25GHz	30MHz~25GHz

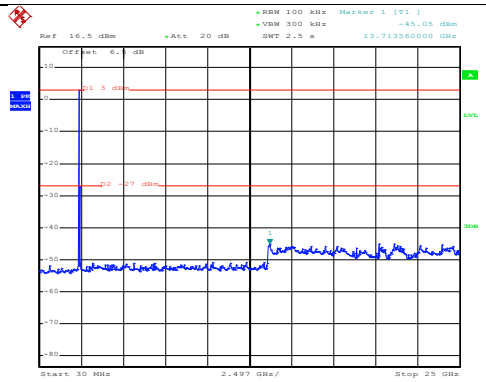
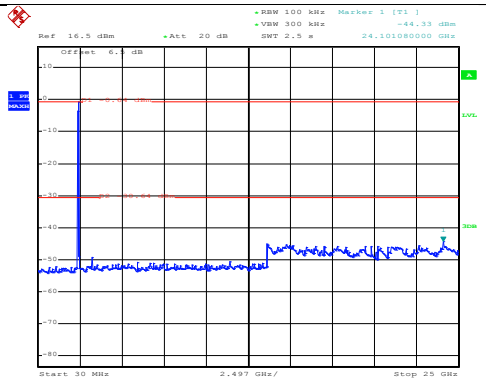
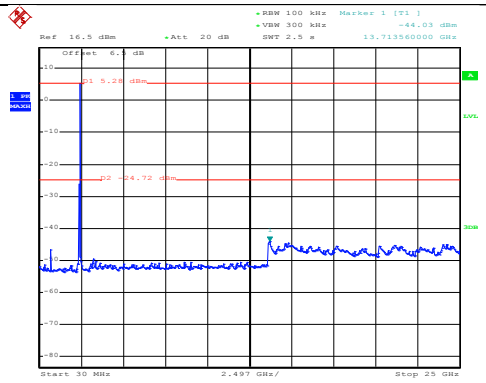
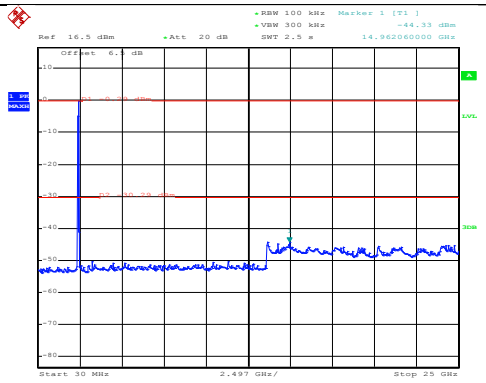
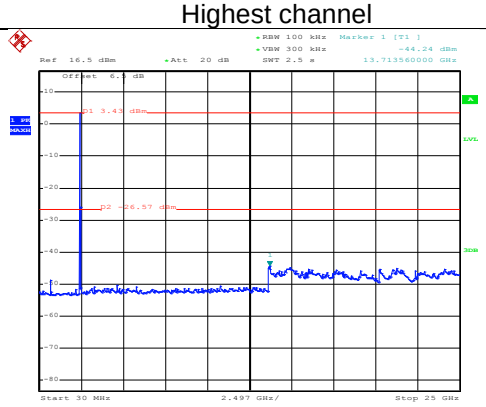
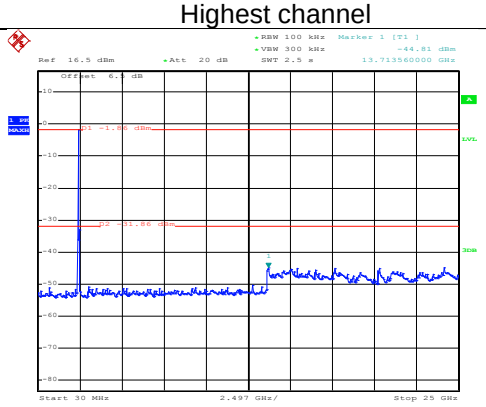
Test plot as follows:3dBi ANT TX1

Test mode: 802.11b	Test mode: 802.11g
Lowest channel	Lowest channel
	
30MHz~25GHz	30MHz~25GHz
Middle channel	Middle channel
	
30MHz~25GHz	30MHz~25GHz
Highest channel	Highest channel
	
30MHz~25GHz	30MHz~25GHz

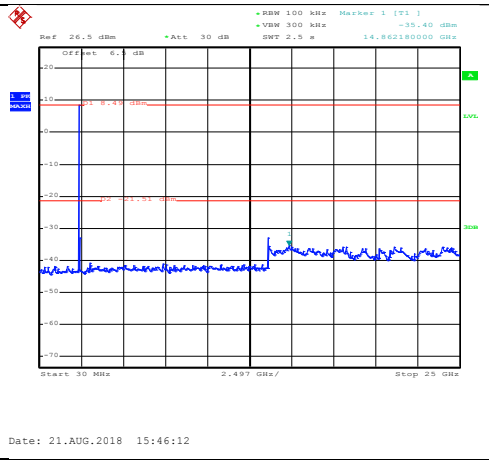
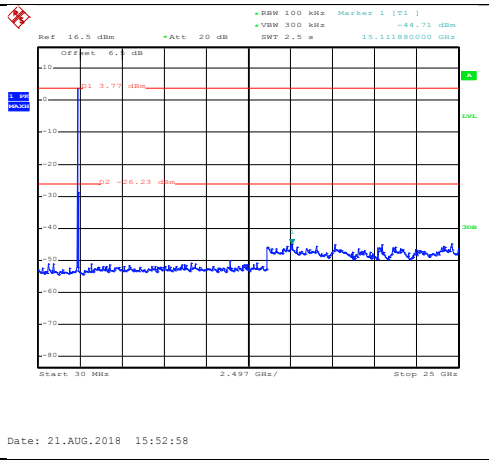
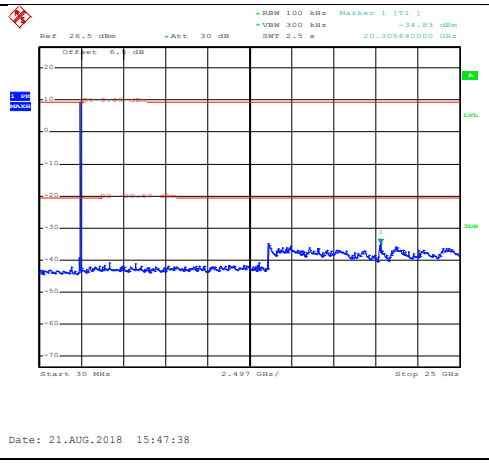
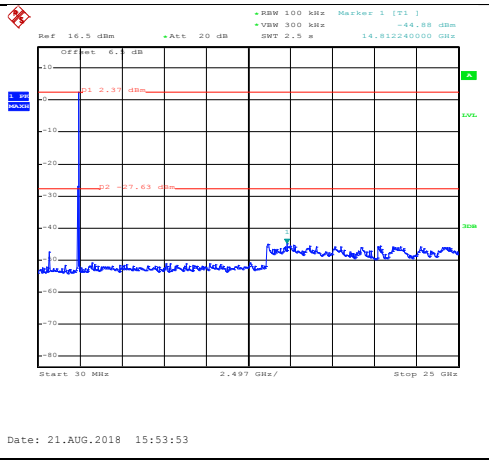
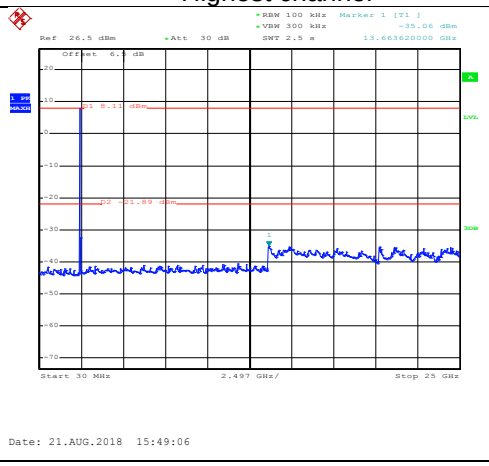
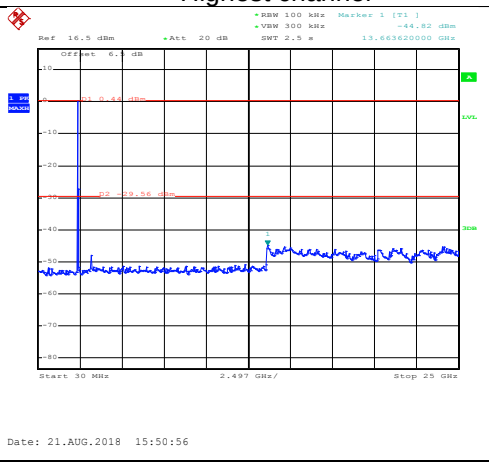
Test mode: 802.11n(HT20)	Test mode: 802.11n(HT40)
Lowest channel	Lowest channel
	
30MHz~25GHz	30MHz~25GHz
Middle channel	Middle channel
	
30MHz~25GHz	30MHz~25GHz
Highest channel	Highest channel
	
30MHz~25GHz	30MHz~25GHz

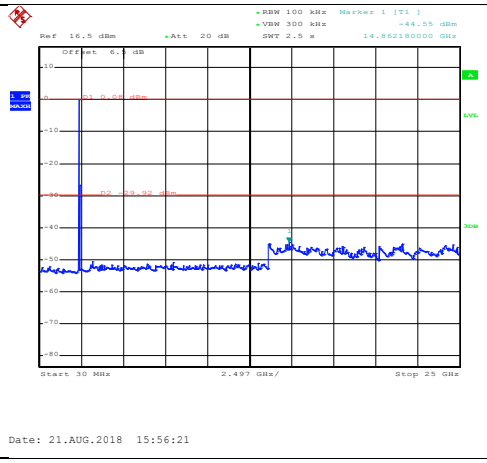
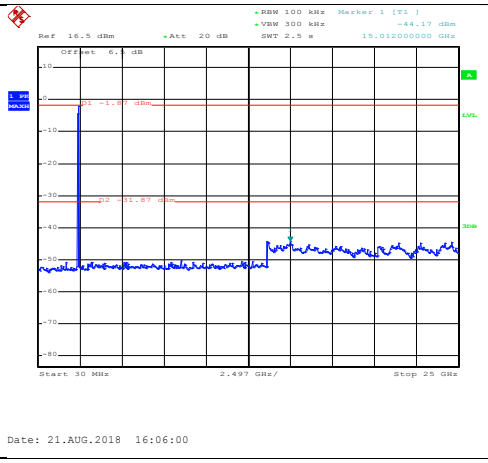
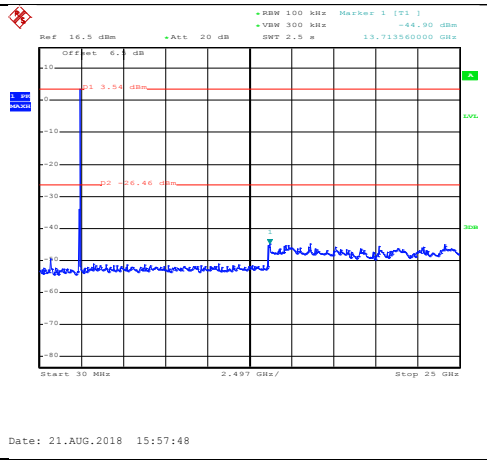
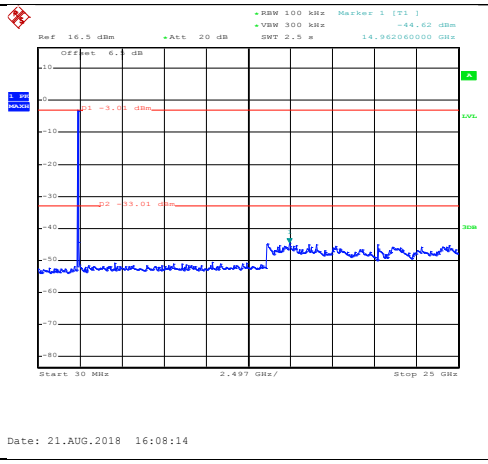
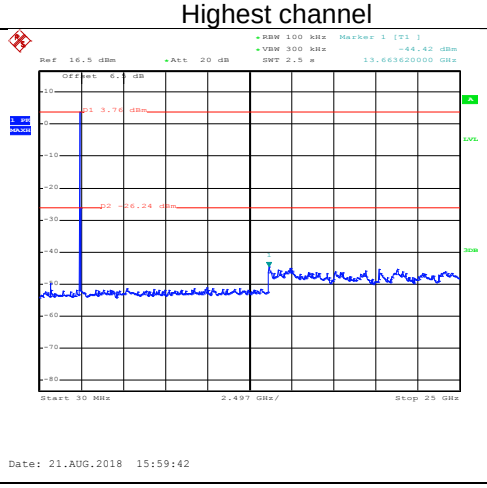
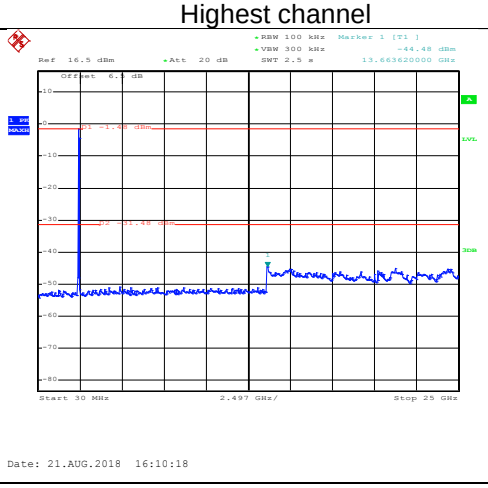
Test plot as follows:10dBi ANT TX0

Test mode: 802.11b	Test mode: 802.11g
Lowest channel	Lowest channel
	
30MHz~25GHz	30MHz~25GHz
Middle channel	Middle channel
	
30MHz~25GHz	30MHz~25GHz
Highest channel	Highest channel
	
30MHz~25GHz	30MHz~25GHz

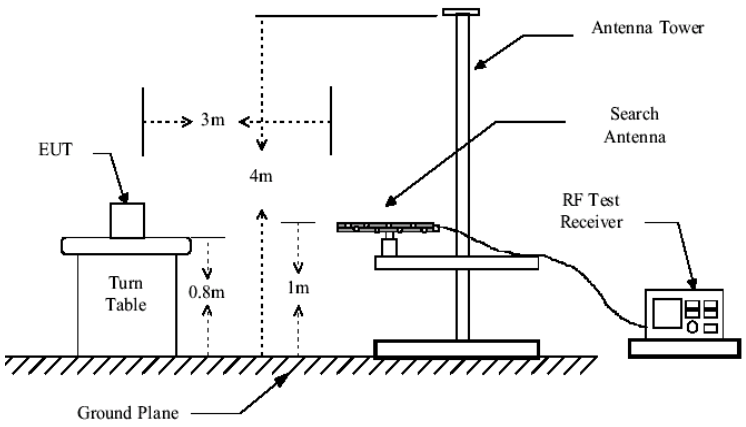
Test mode: 802.11n(HT20)	Test mode: 802.11n(HT40)
Lowest channel	Lowest channel
	
30MHz~25GHz	30MHz~25GHz
Middle channel	Middle channel
	
30MHz~25GHz	30MHz~25GHz
Highest channel	Highest channel
	
30MHz~25GHz	30MHz~25GHz

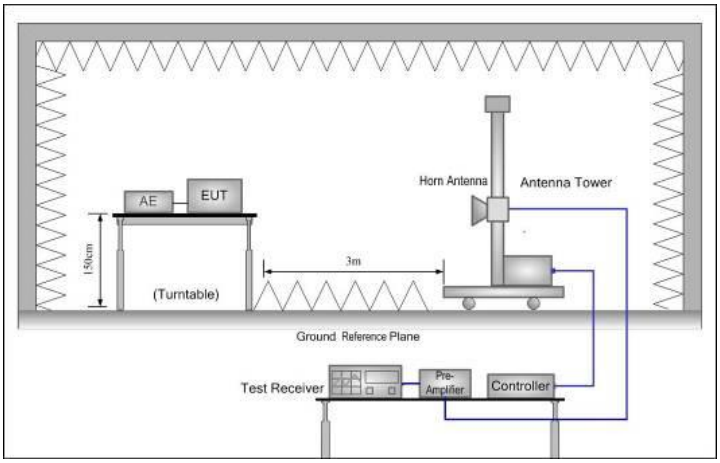
Test plot as follows:10dBi ANT TX1

Test mode: 802.11b	Test mode: 802.11g
Lowest channel	Lowest channel
	
30MHz~25GHz	30MHz~25GHz
Middle channel	Middle channel
	
30MHz~25GHz	30MHz~25GHz
Highest channel	Highest channel
	
30MHz~25GHz	30MHz~25GHz

Test mode: 802.11n(HT20)	Test mode: 802.11n(HT40)
Lowest channel	Lowest channel
	
30MHz~25GHz	30MHz~25GHz
Middle channel	Middle channel
	
30MHz~25GHz	30MHz~25GHz
Highest channel	Highest channel
	
30MHz~25GHz	30MHz~25GHz

6.7.2 Radiated Emission Method

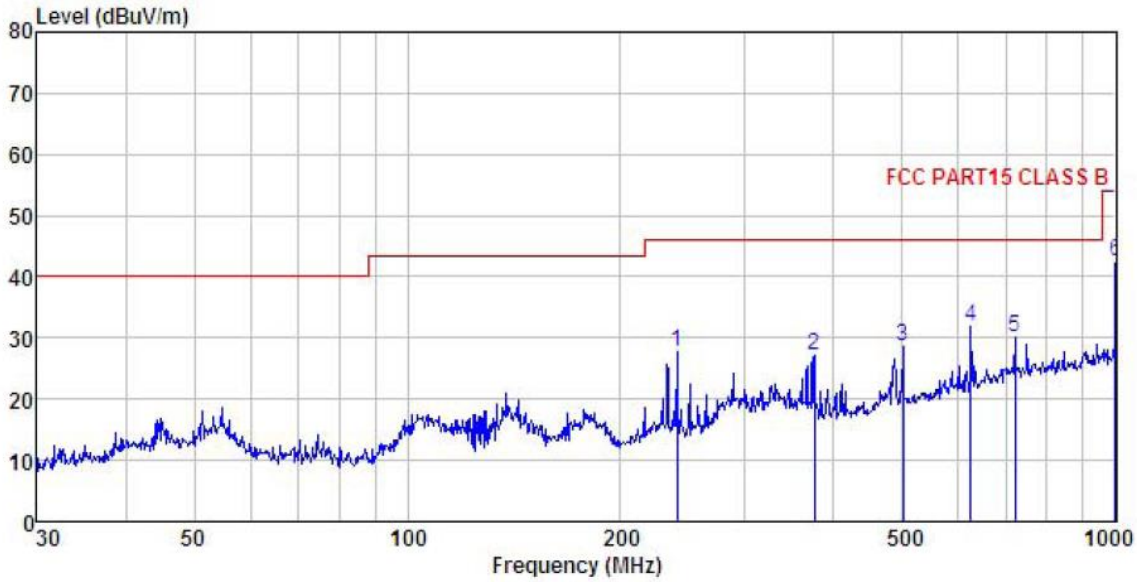
<table>
<tr><td>Test Requirement:</td><td colspan="5">FCC Part 15 C Section 15.209 and 15.205</td></tr>
<tr><td>Test Method:</td><td colspan="5">ANSI C63.10:2013</td></tr>
<tr><td>Test Frequency Range:</td><td colspan="5">9kHz to 25GHz</td></tr>
<tr><td>Test Distance:</td><td colspan="5">3m</td></tr>
<tr><td>Receiver setup:</td><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr>
<tr><td></td><td>30MHz-1GHz</td><td>Quasi-peak</td><td>120KHz</td><td>300KHz</td><td>Quasi-peak Value</td></tr>
<tr><td></td><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr>
<tr><td></td><td>RMS</td><td>1MHz</td><td>3MHz</td><td>Average Value</td></tr>
<tr><td>Limit:</td><td colspan="2">Frequency</td><td colspan="2">Limit (dBuV/m @3m)</td><td>Remark</td></tr>
<tr><td></td><td colspan="2">30MHz-88MHz</td><td colspan="2">40.0</td><td>Quasi-peak Value</td></tr>
<tr><td></td><td colspan="2">88MHz-216MHz</td><td colspan="2">43.5</td><td>Quasi-peak Value</td></tr>
<tr><td></td><td colspan="2">216MHz-960MHz</td><td colspan="2">46.0</td><td>Quasi-peak Value</td></tr>
<tr><td></td><td colspan="2">960MHz-1GHz</td><td colspan="2">54.0</td><td>Quasi-peak Value</td></tr>
<tr><td></td><td colspan="2" rowspan="2">Above 1GHz</td><td colspan="2">54.0</td><td>Average Value</td></tr>
<tr><td></td><td colspan="2">74.0</td><td>Peak Value</td></tr>
<tr><td>Test Procedure:</td><td colspan="5">1. The EUT was placed on the top of a rotating table 0.8m(below 1GHz)/1.5m(above 1GHz) above the ground at a 3 meter chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</td></tr>
<tr><td>Test setup:</td><td colspan="5">Below 1GHz
 
</td></tr>
</table>

	Above 1GHz 
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	1. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case. 2. 9 kHz to 30MHz is too low, so only shows the data of above 30MHz in this report.

Measurement Data (worst case):

Below 1GHz:3dBi ANT

Test Polarization: Horizontal



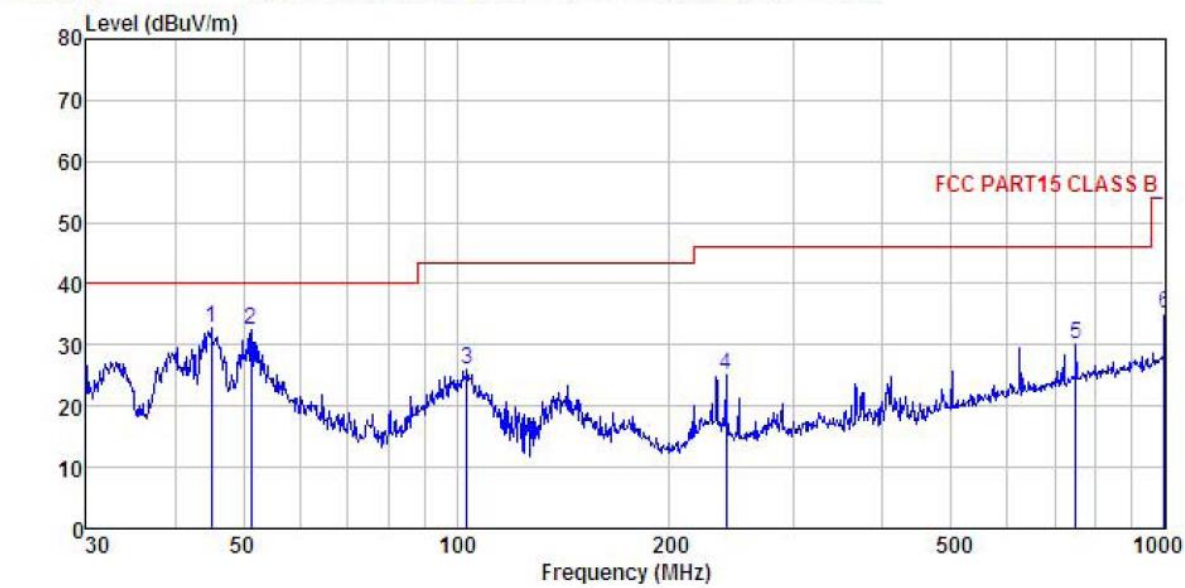
Site : 3m chamber
Condition : FCC PART15 CLASS B 3m VULB9163(30M2G) HORIZONTAL
EUT : Broadband Digital Transmission System
Model : Jalapeno
Test mode : 2.4G WIFI mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5'C Huni:55%
Test Engineer: Mike
Remark :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	239.987	40.45	12.97	2.82	28.59	27.65	46.00	-18.35	QP
2	375.939	37.68	15.08	3.09	28.68	27.17	46.00	-18.83	QP
3	501.179	36.56	17.51	3.63	28.96	28.74	46.00	-17.26	QP
4	625.078	37.31	19.51	3.90	28.86	31.86	46.00	-14.14	QP
5	721.726	34.23	20.33	4.26	28.58	30.24	46.00	-15.76	QP
6	1000.000	42.66	22.80	4.47	27.43	42.50	54.00	-11.50	QP

Remark:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test Polarization: Vertical



Site : 3m chamber
Condition : FCC PART15 CLASS B 3m VULB9163(30M2G) VERTICAL
EUT : Broadband Digital Transmission System
Model : Jalapeno
Test mode : 2.4G WIFI mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5°C Huni:55%
Test Engineer: Mike
Remark :

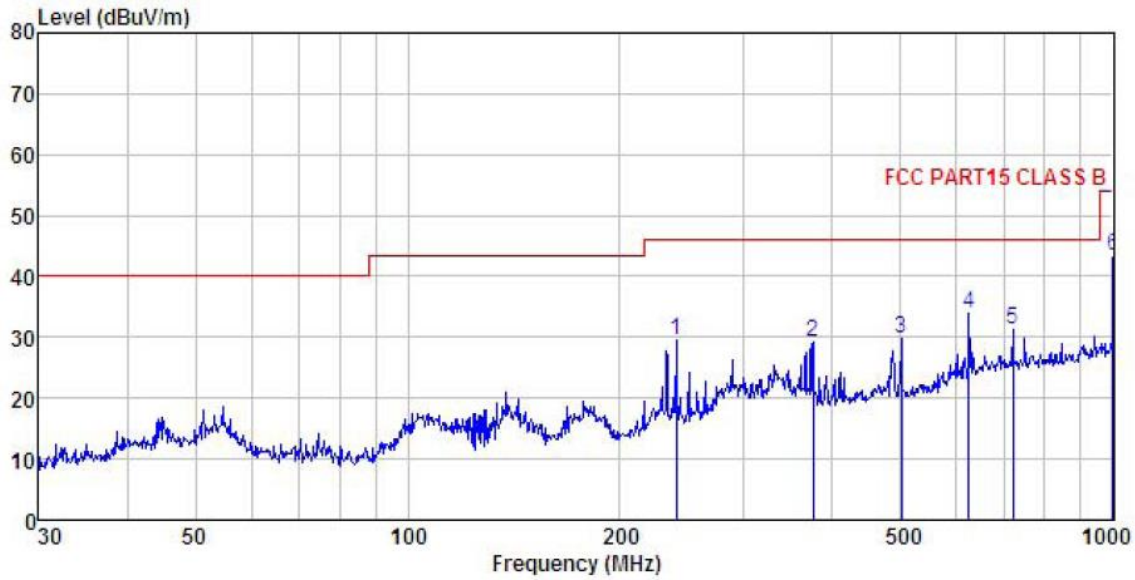
	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	45.058	47.73	13.70	1.29	29.86	32.86	40.00	-7.14	QP
2	51.301	47.19	13.86	1.27	29.81	32.51	40.00	-7.49	QP
3	103.442	41.60	11.91	1.97	29.50	25.98	43.50	-17.52	QP
4	239.987	37.97	12.97	2.82	28.59	25.17	46.00	-20.83	QP
5	750.108	33.37	21.00	4.36	28.48	30.25	46.00	-15.75	QP
6	1000.000	35.34	22.80	4.47	27.43	35.18	54.00	-18.82	QP

Remark:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Below 1GHz:10dBi ANT

Test Polarization: Horizontal



Site : 3m chamber
Condition : FCC PART15 CLASS B 3m VULB9163(30M2G) HORIZONTAL
EUT : Broadband Digital Transmission System
Model : Jalapeno
Test mode : 2.4G WIFI mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5'C Huni:55%
Test Engineer: Mike
Remark :

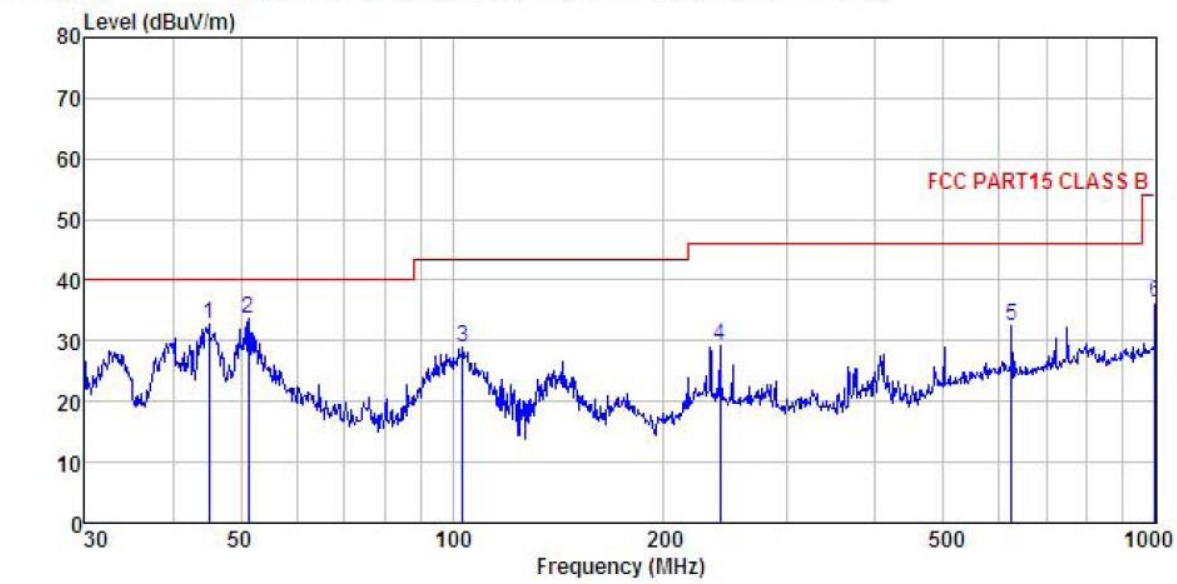
	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	239.987	42.45	12.97	2.82	28.59	29.65	46.00	-16.35	QP
2	375.939	39.68	15.08	3.09	28.68	29.17	46.00	-16.83	QP
3	501.179	37.56	17.51	3.63	28.96	29.74	46.00	-16.26	QP
4	625.078	39.31	19.51	3.90	28.86	33.86	46.00	-12.14	QP
5	721.726	35.23	20.33	4.26	28.58	31.24	46.00	-14.76	QP
6	1000.000	43.66	22.80	4.47	27.43	43.50	54.00	-10.50	QP

Remark:

3. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test Polarization: Vertical



Site : 3m chamber
Condition : FCC PART15 CLASS B 3m VULB9163(30M2G) VERTICAL
EUT : Broadband Digital Transmission System
Model : Jalapeno
Test mode : 2.4G WIFI mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5'C Huni:55%
Test Engineer: Mike
Remark :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	45.058	47.73	13.70	1.29	29.86	32.86	40.00	-7.14	QP
2	51.301	48.19	13.86	1.27	29.81	33.51	40.00	-6.49	QP
3	103.442	44.60	11.91	1.97	29.50	28.98	43.50	-14.52	QP
4	239.987	41.97	12.97	2.82	28.59	29.17	46.00	-16.83	QP
5	625.078	37.86	19.51	3.90	28.86	32.41	46.00	-13.59	QP
6	1000.000	36.34	22.80	4.47	27.43	36.18	54.00	-17.82	QP

Remark:

3. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Above 1GHz:3dBi ANT

802.11b								
Test channel: Lowest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4824.00	47.28	30.94	6.81	41.82	43.21	74.00	-30.79	Vertical
4824.00	47.75	30.94	6.81	41.82	43.68	74.00	-30.32	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4824.00	38.79	30.94	6.81	41.82	34.72	54.00	-19.28	Vertical
4824.00	37.85	30.94	6.81	41.82	33.78	54.00	-20.22	Horizontal
Test channel: Middle channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	48.44	31.20	6.85	41.84	44.65	74.00	-29.35	Vertical
4874.00	46.64	31.20	6.85	41.84	42.85	74.00	-31.15	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	39.36	31.20	6.85	41.84	35.57	54.00	-18.43	Vertical
4874.00	37.81	31.20	6.85	41.84	34.02	54.00	-19.98	Horizontal
Test channel: Highest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4924.00	48.83	31.46	6.89	41.86	45.32	74.00	-28.68	Vertical
4924.00	46.37	31.46	6.89	41.86	42.86	74.00	-31.14	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4924.00	38.95	31.46	6.89	41.86	35.44	54.00	-18.56	Vertical
4924.00	38.81	31.46	6.89	41.86	35.30	54.00	-18.70	Horizontal

Remark:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

802.11g								
Test channel: Lowest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4824.00	47.26	30.94	6.81	41.82	43.19	74.00	-30.81	Vertical
4824.00	47.65	30.94	6.81	41.82	43.58	74.00	-30.42	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4824.00	38.82	30.94	6.81	41.82	34.75	54.00	-19.25	Vertical
4824.00	37.83	30.94	6.81	41.82	33.76	54.00	-20.24	Horizontal
Test channel: Middle channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	48.43	31.20	6.85	41.84	44.64	74.00	-29.36	Vertical
4874.00	46.67	31.20	6.85	41.84	42.88	74.00	-31.12	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	36.89	31.20	6.85	41.84	33.10	54.00	-20.90	Vertical
4874.00	38.42	31.20	6.85	41.84	34.63	54.00	-19.37	Horizontal
Test channel: Highest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4924.00	48.86	31.46	6.89	41.86	45.35	74.00	-28.65	Vertical
4924.00	46.42	31.46	6.89	41.86	42.91	74.00	-31.09	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4924.00	38.99	31.46	6.89	41.86	35.48	54.00	-18.52	Vertical
4924.00	38.83	31.46	6.89	41.86	35.32	54.00	-18.68	Horizontal

Remark:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

802.11n(HT20)								
Test channel: Lowest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4824.00	47.23	36.06	6.81	41.82	48.28	74.00	-25.72	Vertical
4824.00	47.61	36.06	6.81	41.82	48.66	74.00	-25.34	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4824.00	38.83	36.06	6.81	41.82	39.88	54.00	-14.12	Vertical
4824.00	37.76	36.06	6.81	41.82	38.81	54.00	-15.19	Horizontal
Test channel: Middle channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	48.46	36.32	6.85	41.84	49.79	74.00	-24.21	Vertical
4874.00	46.58	36.32	6.85	41.84	47.91	74.00	-26.09	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	36.85	36.32	6.85	41.84	38.18	54.00	-15.82	Vertical
4874.00	38.43	36.32	6.85	41.84	39.76	54.00	-14.24	Horizontal
Test channel: Highest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4924.00	48.67	36.58	6.89	41.86	50.28	74.00	-23.72	Vertical
4924.00	46.42	36.58	6.89	41.86	48.03	74.00	-25.97	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4924.00	38.89	36.58	6.89	41.86	40.50	54.00	-13.50	Vertical
4924.00	38.85	36.58	6.89	41.86	40.46	54.00	-13.54	Horizontal

Remark:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

802.11n(HT40)								
Test channel: Lowest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4844.00	47.32	36.06	6.81	41.82	48.37	74.00	-25.63	Vertical
4844.00	47.58	36.06	6.81	41.82	48.63	74.00	-25.37	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4844.00	38.83	36.06	6.81	41.82	39.88	54.00	-14.12	Vertical
4844.00	37.64	36.06	6.81	41.82	38.69	54.00	-15.31	Horizontal
Test channel: Middle channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	48.53	36.32	6.85	41.84	49.86	74.00	-24.14	Vertical
4874.00	46.61	36.32	6.85	41.84	47.94	74.00	-26.06	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	36.46	36.32	6.85	41.84	37.79	54.00	-16.21	Vertical
4874.00	38.37	36.32	6.85	41.84	39.70	54.00	-14.30	Horizontal
Test channel: Highest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4904.00	48.58	36.45	6.87	41.85	50.05	74.00	-23.95	Vertical
4904.00	46.35	36.45	6.87	41.85	47.82	74.00	-26.18	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4904.00	38.76	36.45	6.87	41.85	40.23	54.00	-13.77	Vertical
4904.00	38.84	36.45	6.87	41.85	40.31	54.00	-13.69	Horizontal

Remark:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Above 1GHz:10dBi ANT

802.11b								
Test channel: Lowest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4824.00	47.24	30.94	6.81	41.82	43.17	74.00	-30.83	Vertical
4824.00	47.79	30.94	6.81	41.82	43.72	74.00	-30.28	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4824.00	38.82	30.94	6.81	41.82	34.75	54.00	-19.25	Vertical
4824.00	37.89	30.94	6.81	41.82	33.82	54.00	-20.18	Horizontal
Test channel: Middle channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	48.54	31.20	6.85	41.84	44.75	74.00	-29.25	Vertical
4874.00	46.69	31.20	6.85	41.84	42.90	74.00	-31.10	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	39.42	31.20	6.85	41.84	35.63	54.00	-18.37	Vertical
4874.00	37.86	31.20	6.85	41.84	34.07	54.00	-19.93	Horizontal
Test channel: Highest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4924.00	48.92	31.46	6.89	41.86	45.41	74.00	-28.59	Vertical
4924.00	46.43	31.46	6.89	41.86	42.92	74.00	-31.08	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4924.00	38.97	31.46	6.89	41.86	35.46	54.00	-18.54	Vertical
4924.00	38.89	31.46	6.89	41.86	35.38	54.00	-18.62	Horizontal

Remark:

3. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

802.11g								
Test channel: Lowest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4824.00	47.35	30.94	6.81	41.82	43.28	74.00	-30.72	Vertical
4824.00	47.69	30.94	6.81	41.82	43.62	74.00	-30.38	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4824.00	38.94	30.94	6.81	41.82	34.87	54.00	-19.13	Vertical
4824.00	37.86	30.94	6.81	41.82	33.79	54.00	-20.21	Horizontal
Test channel: Middle channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	48.64	31.20	6.85	41.84	44.85	74.00	-29.15	Vertical
4874.00	46.64	31.20	6.85	41.84	42.85	74.00	-31.15	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	36.92	31.20	6.85	41.84	33.13	54.00	-20.87	Vertical
4874.00	38.58	31.20	6.85	41.84	34.79	54.00	-19.21	Horizontal
Test channel: Highest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4924.00	48.94	31.46	6.89	41.86	45.43	74.00	-28.57	Vertical
4924.00	46.52	31.46	6.89	41.86	43.01	74.00	-30.99	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4924.00	39.86	31.46	6.89	41.86	36.35	54.00	-17.65	Vertical
4924.00	38.96	31.46	6.89	41.86	35.45	54.00	-18.55	Horizontal

Remark:

3. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

802.11n(HT20)								
Test channel: Lowest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4824.00	47.36	36.06	6.81	41.82	48.41	74.00	-25.59	Vertical
4824.00	47.67	36.06	6.81	41.82	48.72	74.00	-25.28	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4824.00	38.94	36.06	6.81	41.82	39.99	54.00	-14.01	Vertical
4824.00	37.86	36.06	6.81	41.82	38.91	54.00	-15.09	Horizontal
Test channel: Middle channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	48.57	36.32	6.85	41.84	49.90	74.00	-24.10	Vertical
4874.00	46.86	36.32	6.85	41.84	48.19	74.00	-25.81	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	36.87	36.32	6.85	41.84	38.20	54.00	-15.80	Vertical
4874.00	38.86	36.32	6.85	41.84	40.19	54.00	-13.81	Horizontal
Test channel: Highest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4924.00	48.84	36.58	6.89	41.86	50.45	74.00	-23.55	Vertical
4924.00	46.86	36.58	6.89	41.86	48.47	74.00	-25.53	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4924.00	38.96	36.58	6.89	41.86	40.57	54.00	-13.43	Vertical
4924.00	38.94	36.58	6.89	41.86	40.55	54.00	-13.45	Horizontal

Remark:

3. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

802.11n(HT40)								
Test channel: Lowest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4844.00	47.46	36.06	6.81	41.82	48.51	74.00	-25.49	Vertical
4844.00	47.64	36.06	6.81	41.82	48.69	74.00	-25.31	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4844.00	38.89	36.06	6.81	41.82	39.94	54.00	-14.06	Vertical
4844.00	37.84	36.06	6.81	41.82	38.89	54.00	-15.11	Horizontal
Test channel: Middle channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	48.62	36.32	6.85	41.84	49.95	74.00	-24.05	Vertical
4874.00	46.73	36.32	6.85	41.84	48.06	74.00	-25.94	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	36.54	36.32	6.85	41.84	37.87	54.00	-16.13	Vertical
4874.00	38.67	36.32	6.85	41.84	40.00	54.00	-14.00	Horizontal
Test channel: Highest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4904.00	48.58	36.45	6.87	41.85	50.05	74.00	-23.95	Vertical
4904.00	46.86	36.45	6.87	41.85	48.33	74.00	-25.67	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4904.00	38.76	36.45	6.87	41.85	40.23	54.00	-13.77	Vertical
4904.00	38.84	36.45	6.87	41.85	40.31	54.00	-13.69	Horizontal

Remark:

3. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*