



FCC Part 15C Test Report

FCC ID: XHWEGQ373

| | |
|------------------|--|
| Product Name: | 7 inch tablet |
| Trademark: | E-matic |
| Model Name : | EGQ373 EGQ373BL, EGQ373BU, EGQ373PR, EGQ373PN, EGQ373TL, EGQ373BDBL, EGQ373BDBU, EGQ373BDPR, EGQ373BDPN, EGQ373BDTL. |
| Prepared For : | E-matic |
| Address : | 3435 Ocean Park Blvd # 107 PMB#444 Santa Monica CA 90405 Los Angeles, CA 90405. |
| Prepared By : | Shenzhen BCTC Technology Co., Ltd. |
| Address : | No.101,Yousong Road,Longhua New District, Shenzhen,China |
| Test Date: | Jun. 23- Jun. 30, 2017 |
| Date of Report : | Jun. 30, 2017 |
| Report No.: | BCTC-FY170805109E |



TEST RESULT CERTIFICATION

Applicant's name..... : **E-matic**

Address..... : 3435 Ocean Park Blvd # 107 PMB#444 Santa Monica CA 90405
Los Angeles, CA 90405.

Manufacture's Name..... : **Shaghal Ltd**

Address..... : 2231 Colby Ave. L.A., C.A., 90064 U.S.A

Product description

Product name..... : 7 inch tablet

Trademark: **E-matic**

Model Name: EGQ373

Standards..... : FCC Part15.247

ANSI C63.10:2013

KDB 558074 D01 DTS Meas Guidance v04

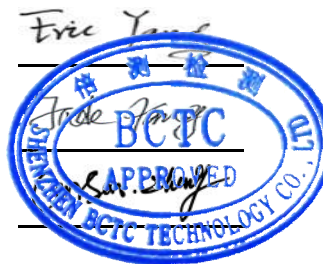
This device described above has been tested by BCTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Prepared by(Engineer): Eric Yang

Reviewer(Supervisor): Jade Yang

Approved(Manager): Carson Zhang



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1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

| FCC Part15 (15.247) , Subpart C | | | |
|---------------------------------|-----------------------------------|----------|--------|
| Standard Section | Test Item | Judgment | Remark |
| 15.207 | Conducted Emission | PASS | |
| 15.247 (a)(2) | 6dB Bandwidth | PASS | |
| 15.247 (b) | Peak Output Power | PASS | |
| 15.247 (c) | Radiated Spurious Emission | PASS | |
| 15.247 (d) | Power Spectral Density | PASS | |
| 15.205 | Restricted Band of Operation | PASS | |
| 15.247 (d) | Band Edge (Out of Band Emissions) | PASS | |
| 15.203 | Antenna Requirement | PASS | |

NOTE:

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



1.1 TEST FACILITY

Shenzhen BCTC Technology Co., Ltd.

Add. : No.101,Yousong Road,Longhua New District, Shenzhen,China

FCC Registered No.: 187086

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately **95 %**.

| No. | Item | Uncertainty |
|-----|------------------------------|---------------------------|
| 1 | Conducted Emission Test | $\pm 1.38\text{dB}$ |
| 2 | RF power,conducted | $\pm 0.16\text{dB}$ |
| 3 | Spurious emissions,conducted | $\pm 0.21\text{dB}$ |
| 4 | All emissions,radiated(<1G) | $\pm 4.68\text{dB}$ |
| 5 | All emissions,radiated(>1G) | $\pm 4.89\text{dB}$ |
| 6 | Temperature | $\pm 0.5^{\circ}\text{C}$ |
| 7 | Humidity | $\pm 2\%$ |



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

| | | |
|------------------------|--|--|
| Equipment | 7 inch tablet | |
| Trade Name | E-matic | |
| Model Name | EGQ373 | |
| Serial Model | EGQ373BL, EGQ373BU, EGQ373PR, EGQ373PN, EGQ373TL, EGQ373BDBL, EGQ373BDBU, EGQ373BDPR, EGQ373BDPN, EGQ373BDTL. | |
| Model Difference | All the models are the same circuit and RF module, except the model names. | |
| Product Description | Operation Frequency: | 802.11b/g/n20MHz:2412~2462 MHz 802.11n40MHz:2422~2452 |
| | Modulation Type: | 802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g/n(20/40): DSSS (CCK, DQPSK, DBPSK)+OFDM (QPSK, BPSK, 16-QAM, 64-QAM) |
| | Bit Rate of Transmitter | 802.11b: 11/5.5/2/1Mbps 802.11g: 6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps 802.11n: Up to 150Mbps |
| | Number Of Channel | 802.11b/g/n20MHz:11CH 802.11n40MHz:7CH |
| | Antenna Designation: | Please see Note 3. |
| | Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual. | |
| Channel List | Please refer to the Note 2. | |
| Battery | DC 3.7V | |
| Connecting I/O Port(s) | Please refer to the User's Manual | |

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



2.

| Channel List for 802.11b/g/n(20) | | | | | | | |
|----------------------------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 01 | 2412 | 04 | 2427 | 07 | 2442 | 10 | 2457 |
| 02 | 2417 | 05 | 2432 | 08 | 2447 | 11 | 2462 |
| 03 | 2422 | 06 | 2437 | 09 | 2452 | | |

| Channel List for 802.11n(40MHz) | | | | | | | |
|---------------------------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 03 | 2422 | 06 | 2437 | 09 | 2452 | | |
| 04 | 2427 | 07 | 2442 | | | | |
| 05 | 2432 | 08 | 2447 | | | | |

3.

Table for Filed Antenna

| Ant. | Brand | Model Name | Antenna Type | Connector | Gain (dBi) | NOTE |
|------|-------|------------|--------------|-----------|------------|------|
| 1 | N/A | N/A | FPCB Antenna | N/A | 1.0 | |



2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

| Pretest Mode | Description |
|--------------|--------------------------|
| Mode 1 | 802.11b CH1/ CH6/ CH11 |
| Mode 2 | 802.11g CH1/ CH6/ CH11 |
| Mode 3 | 802.11n20 CH1/ CH6/ CH11 |
| Mode 4 | 802.11n40 CH3/ CH6/ CH9 |
| Mode 5 | Link Mode |

| For Conducted Emission | |
|------------------------|-------------|
| Final Test Mode | Description |
| Mode 5 | Link Mode |

| For Radiated Emission | |
|-----------------------|--------------------------|
| Final Test Mode | Description |
| Mode 1 | 802.11b CH1/ CH6/ CH11 |
| Mode 2 | 802.11g CH1/ CH6/ CH11 |
| Mode 3 | 802.11n20 CH1/ CH6/ CH11 |
| Mode 4 | 802.11n40 CH3/ CH6/ CH9 |

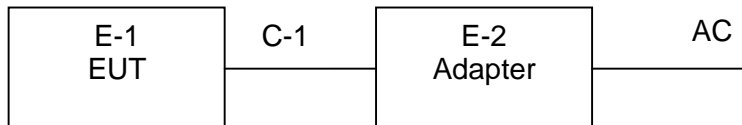
Note:

- (1) The measurements are performed at the highest, middle, lowest available channels.
- (2) IEEE 802.11b mode: 11Mbps data rate (worst case) was chosen for full testing. IEEE 802.11g mode: 54Mbps data rate (worst case) was chosen for full testing. IEEE 802.11n(20) mode: 6.5Mbps data rate (worst case) were chosen for full testing. IEEE 802.11n(40) mode: 6.5Mbps data rate (worst case) were chosen for full testing.

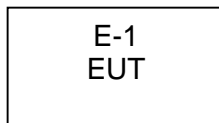


2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Conducted Emission Test



Radiated Spurious Emission Test





2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

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

| Item | Equipment | Mfr/Brand | Model/Type No. | Series No. | Note |
|------|---------------|----------------|----------------|------------|-------------|
| E-1 | 7 inch tablet | E-matic | EGQ373 | N/A | EUT |
| E-2 | Adapter | N/A | XHY050150UCC | N/A | Lab Provide |
| | | | | | |

| Item | Shielded Type | Ferrite Core | Length | Note |
|------|---------------|--------------|--------|----------------------|
| C-1 | NO | NO | 0.8M | USB cable unshielded |
| | | | | |

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.



2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

| Item | Equipment | Manufacturer | Type No. | Serial No. | Last calibration | Calibrated until |
|------|-------------------------------------|-----------------|--------------|------------------|------------------|------------------|
| 1 | Spectrum Analyzer (9kHz-26.5GHz) | Agilent | E4407B | MY45108040 | 2016.08.27 | 2017.08.26 |
| 2 | Test Receiver (9kHz-7GHz) | R&S | ESPI | 101318 | 2016.08.27 | 2017.08.26 |
| 3 | Bilog Antenna (30MHz-1GHz) | R&S | VULB 9168 | VULB91 68-438 | 2016.08.27 | 2017.08.26 |
| 4 | Horn Antenna (1GHz-18GHz) | SCHWARZBECK | BBHA9120D | 1201 | 2016.09.03 | 2017.09.03 |
| 5 | Horn Antenna (14GHz-40GHz) | SCHWARZBECK | BBHA 9170 | 9170-181 | 2016.09.03 | 2017.09.03 |
| 6 | Amplifier (9KHz-6GHz) | SCHWARZBECK | BBV9744 | 9744-0037 | 2016.08.27 | 2017.08.26 |
| 7 | Amplifier (1GHz-18GHz) | SCHWARZBECK | BBV9718 | 9718-309 | 2016.08.27 | 2017.08.26 |
| 8 | Amplifier (18GHz-40GHz) | SCHWARZBECK | BBV 9721 | 9721-205 | 2016.08.27 | 2017.08.26 |
| 9 | Loop Antenna (9KHz-30MHz) | SCHWARZBECK | FMZB1519B | 00014 | 2016.09.03 | 2017.09.03 |
| 10 | RF cables1 (9kHz-1GHz) | R&S | R203 | R20X | 2016.08.27 | 2017.08.26 |
| 11 | RF cables2 (1GHz-40GHz) | R&S | R204 | R21X | 2016.08.27 | 2017.08.26 |
| 12 | Antenna connector | Florida RF Labs | N/A | RF 01# | 2016.08.27 | 2017.08.26 |
| 13 | Power Metter | ANRITSU | ML2487A | 6K00001568 | 2016.08.27 | 2017.08.26 |
| 14 | Power Sensor (AV) | ANRITSU | ML2491A | 030989 | 2016.08.27 | 2017.08.26 |
| 15 | Signal Analyzer 9kHz-26.5GHz | Agilent | N9010A | MY48030494 | 2016.08.27 | 2017.08.26 |
| 16 | Test Receiver 20kHz-40GHz | R&S | ESU 40 | 100376 | 2016.08.27 | 2017.08.26 |
| 17 | D.C. Power Supply | LongWei | PS-305D | 010964729 | 2016.08.27 | 2017.08.26 |

Conduction Test equipment

| Item | Equipment | Manufacturer | Type No. | Serial No. | Last calibration | Calibrated until |
|------|---------------|--------------|----------|----------------------------|------------------|------------------|
| 1 | Test Receiver | R&S | ESCI | 1166.5950K03-1011 65-ha | 2016.08.27 | 2017.08.26 |
| 2 | LISN | SCHWARZBECK | NSLK8127 | 8127739 | 2016.08.27 | 2017.08.26 |
| 3 | LISN | R&S | NSLK8126 | 8126487 | 2016.08.27 | 2017.08.26 |
| 4 | RF cables | R&S | R204 | R20X | 2016.08.27 | 2017.08.26 |
| 5 | Attenuator | R&S | ESH3-Z2 | 143206 | 2016.08.27 | 2017.08.26 |



3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

| FREQUENCY (MHz) | Limit (dBuV) | | Standard |
|-----------------|--------------|-----------|----------|
| | Quasi-peak | Average | |
| 0.15 -0.5 | 66 - 56 * | 56 - 46 * | CISPR |
| 0.50 -5.0 | 56.00 | 46.00 | CISPR |
| 5.0 -30.0 | 60.00 | 50.00 | CISPR |

| | | | |
|-----------|-----------|-----------|-----|
| 0.15 -0.5 | 66 - 56 * | 56 - 46 * | FCC |
| 0.50 -5.0 | 56.00 | 46.00 | FCC |
| 5.0 -30.0 | 60.00 | 50.00 | FCC |

Note:

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

The following table is the setting of the receiver

| Receiver Parameters | Setting |
|---------------------|----------|
| Attenuation | 10 dB |
| Start Frequency | 0.15 MHz |
| Stop Frequency | 30 MHz |
| IF Bandwidth | 9 kHz |

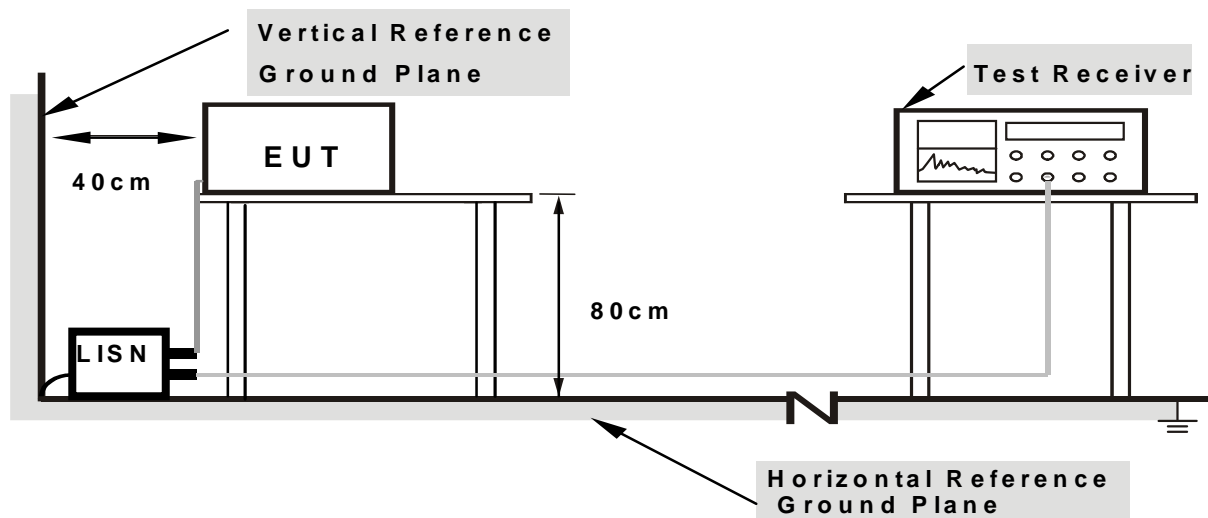
3.1.2 TEST PROCEDURE

- The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- LISN at least 80 cm from nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 DEVIATION FROM TEST STANDARD

No deviation

3.1.4 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.1.5 EUT OPERATING CONDITIONS

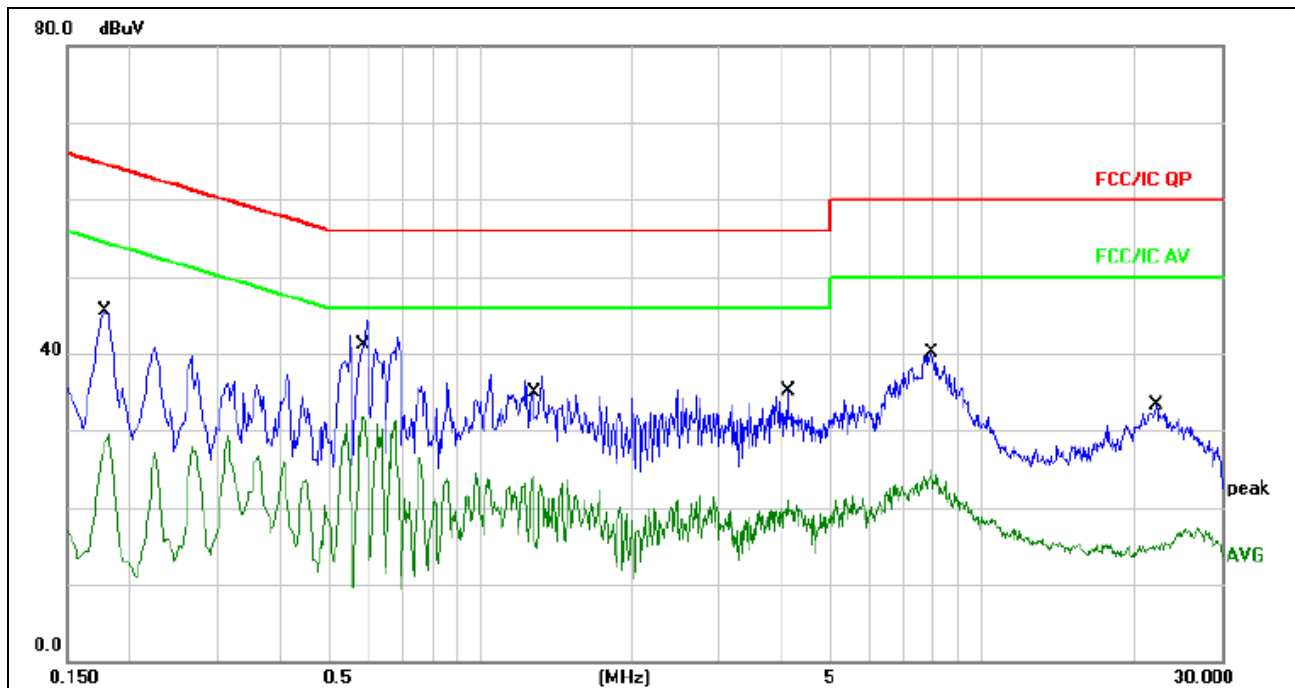
The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

We pretest AC 120V and AC 240V, the worst voltage was AC 120V and the data recording in the report.



3.1.6 TEST RESULTS

| | | | |
|----------------|---------------|---------------------|-----------|
| EUT : | 7 inch tablet | Model Name. : | EGQ373 |
| Temperature : | 25℃ | Relative Humidity : | 54% |
| Pressure : | 1010hPa | Phase : | L |
| Test Voltage : | AC120V/60Hz | Test Mode : | Link Mode |

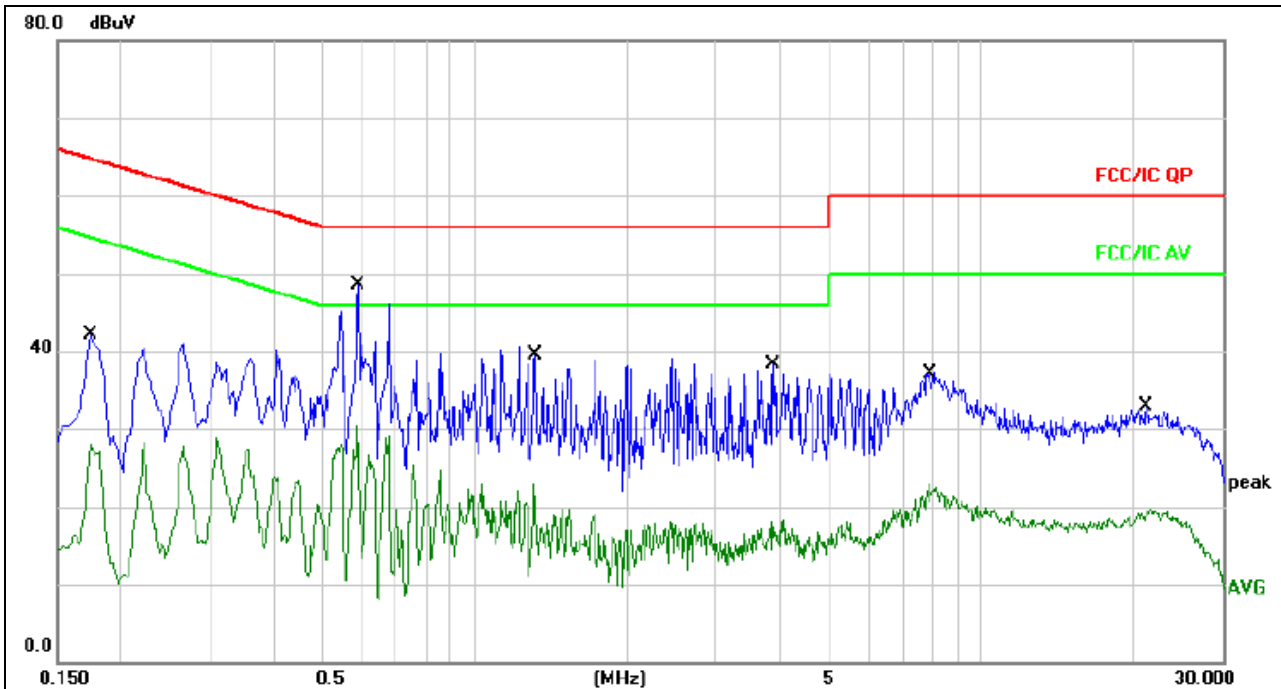
**Remark:**

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1 | | 0.1780 | 35.76 | 9.66 | 45.42 | 64.57 | -19.15 | QP | |
| 2 | | 0.1780 | 19.78 | 9.66 | 29.44 | 54.57 | -25.13 | AVG | |
| 3 | * | 0.5820 | 34.58 | 9.68 | 44.26 | 56.00 | -11.74 | QP | |
| 4 | | 0.5820 | 22.08 | 9.68 | 31.76 | 46.00 | -14.24 | AVG | |
| 5 | | 1.2740 | 27.41 | 9.70 | 37.11 | 56.00 | -18.89 | QP | |
| 6 | | 1.2740 | 14.39 | 9.70 | 24.09 | 46.00 | -21.91 | AVG | |
| 7 | | 4.0980 | 25.30 | 9.73 | 35.03 | 56.00 | -20.97 | QP | |
| 8 | | 4.0980 | 11.20 | 9.73 | 20.93 | 46.00 | -25.07 | AVG | |
| 9 | | 7.9460 | 30.26 | 9.81 | 40.07 | 60.00 | -19.93 | QP | |
| 10 | | 7.9460 | 15.01 | 9.81 | 24.82 | 50.00 | -25.18 | AVG | |
| 11 | | 22.2500 | 23.42 | 9.85 | 33.27 | 60.00 | -26.73 | QP | |
| 12 | | 22.2500 | 7.38 | 9.85 | 17.23 | 50.00 | -32.77 | AVG | |



| | | | |
|----------------|---------------|---------------------|-----------|
| EUT : | 7 inch tablet | Model Name. : | EGQ373 |
| Temperature : | 25°C | Relative Humidity : | 54% |
| Pressure : | 1010hPa | Phase : | N |
| Test Voltage : | AC120V/60Hz | Test Mode : | Link Mode |



Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1 | | 0.1740 | 32.43 | 9.66 | 42.09 | 64.76 | -22.67 | QP | |
| 2 | | 0.1740 | 18.41 | 9.66 | 28.07 | 54.76 | -26.69 | AVG | |
| 3 | * | 0.5860 | 38.82 | 9.68 | 48.50 | 56.00 | -7.50 | QP | |
| 4 | | 0.5860 | 20.75 | 9.68 | 30.43 | 46.00 | -15.57 | AVG | |
| 5 | | 1.3099 | 29.89 | 9.70 | 39.59 | 56.00 | -16.41 | QP | |
| 6 | | 1.3099 | 13.23 | 9.70 | 22.93 | 46.00 | -23.07 | AVG | |
| 7 | | 3.8940 | 28.48 | 9.73 | 38.21 | 56.00 | -17.79 | QP | |
| 8 | | 3.8940 | 8.54 | 9.73 | 18.27 | 46.00 | -27.73 | AVG | |
| 9 | | 7.8780 | 27.42 | 9.81 | 37.23 | 60.00 | -22.77 | QP | |
| 10 | | 7.8780 | 13.18 | 9.81 | 22.99 | 50.00 | -27.01 | AVG | |
| 11 | | 21.1500 | 23.13 | 9.84 | 32.97 | 60.00 | -27.03 | QP | |
| 12 | | 21.1500 | 9.91 | 9.84 | 19.75 | 50.00 | -30.25 | AVG | |



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 RADIATED EMISSION LIMITS (Frequency Range 9kHz-1000MHz)

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

| Frequencies (MHz) | Field Strength (microvolt/meter) | Measurement Distance (meters) |
|----------------------|-------------------------------------|----------------------------------|
| 0.009~0.490 | 2400/F(KHz) | 300 |
| 0.490~1.705 | 24000/F(KHz) | 30 |
| 1.705~30.0 | 30 | 30 |
| 30~88 | 100 | 3 |
| 88~216 | 150 | 3 |
| 216~960 | 200 | 3 |
| Above 960 | 500 | 3 |

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

| FREQUENCY (MHz) | Limit (dBuV/m) (at 3M) | |
|-----------------|------------------------|---------|
| | PEAK | AVERAGE |
| Above 1000 | 74 | 54 |

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

| Spectrum Parameter | Setting |
|---------------------------------------|--|
| Attenuation | Auto |
| Start Frequency | 1000 MHz |
| Stop Frequency | 10th carrier harmonic |
| RB / VB (emission in restricted band) | 1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average |

| Receiver Parameter | Setting |
|------------------------|----------------------------------|
| Attenuation | Auto |
| Start ~ Stop Frequency | 9kHz~150kHz / RB 200Hz for QP |
| Start ~ Stop Frequency | 150kHz~30MHz / RB 9kHz for QP |
| Start ~ Stop Frequency | 30MHz~1000MHz / RB 120kHz for QP |



3.2.2 TEST PROCEDURE

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 1.5 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

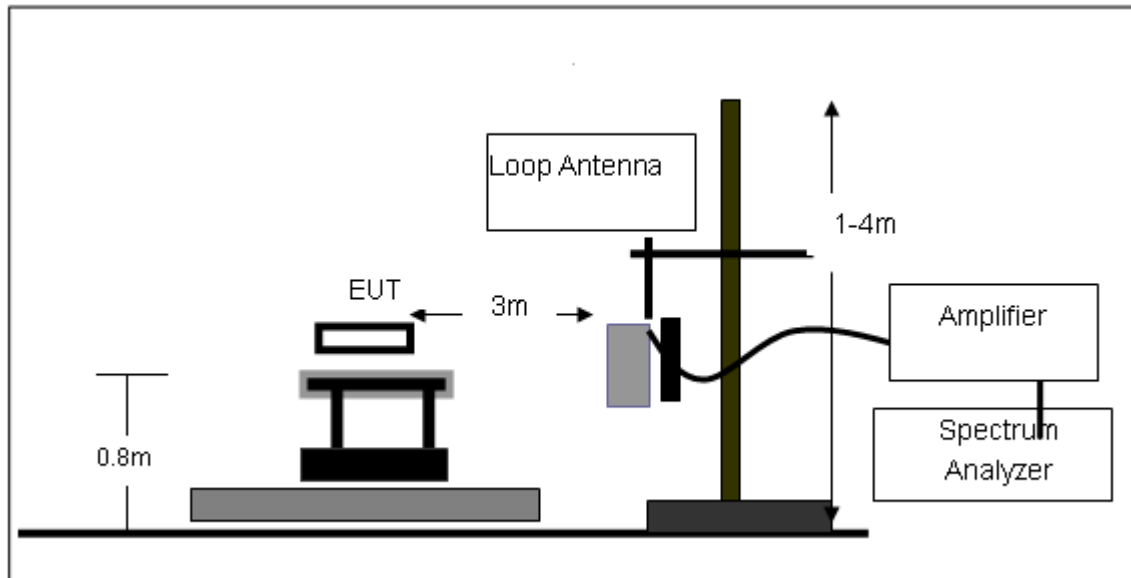
Both horizontal and vertical antenna polarities were tested
and performed pretest to three orthogonal axis. The worst case emissions were reported

3.2.3 DEVIATION FROM TEST STANDARD

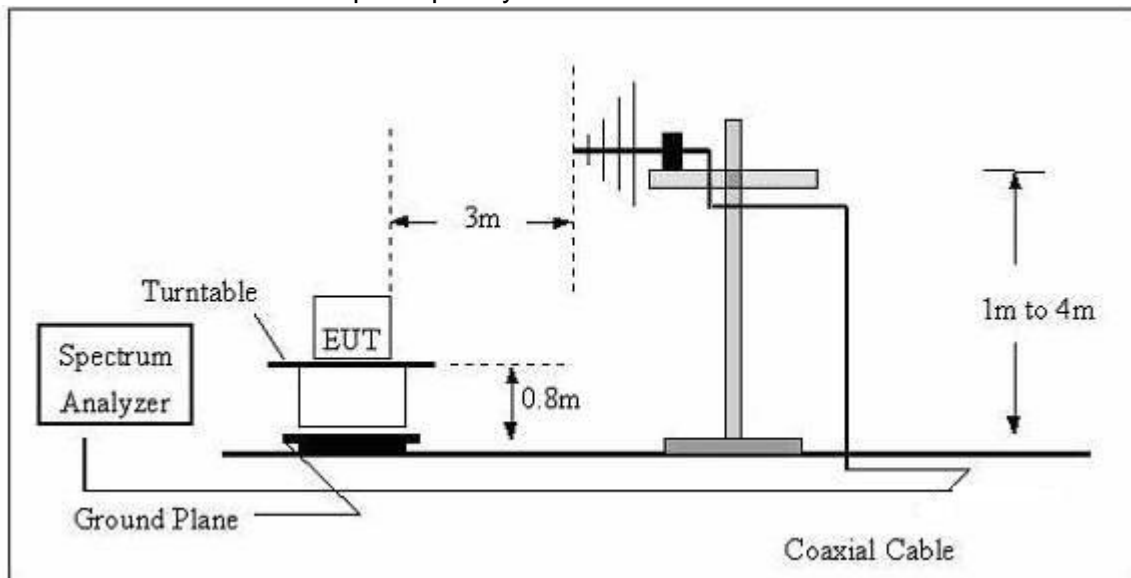
No deviation

3.2.4 TEST SETUP

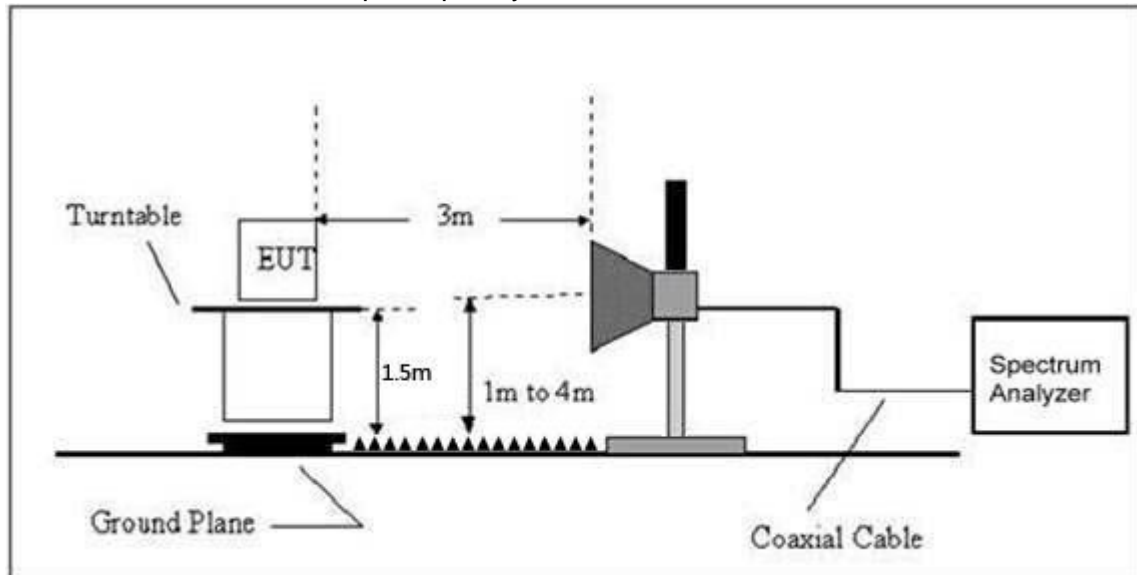
(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz



3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

**3.2.6 TEST RESULTS (BETWEEN 9KHZ – 30 MHZ)**

| | | | |
|--------------|---------------|--------------------|-------------|
| EUT: | 7 inch tablet | Model Name. : | EGQ373 |
| Temperature: | 25℃ | Relative Humidity: | 54% |
| Pressure: | 1010 hPa | Test Voltage : | AC120V/60Hz |
| Test Mode : | Link Mode | Polarization : | -- |

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

NOTE:

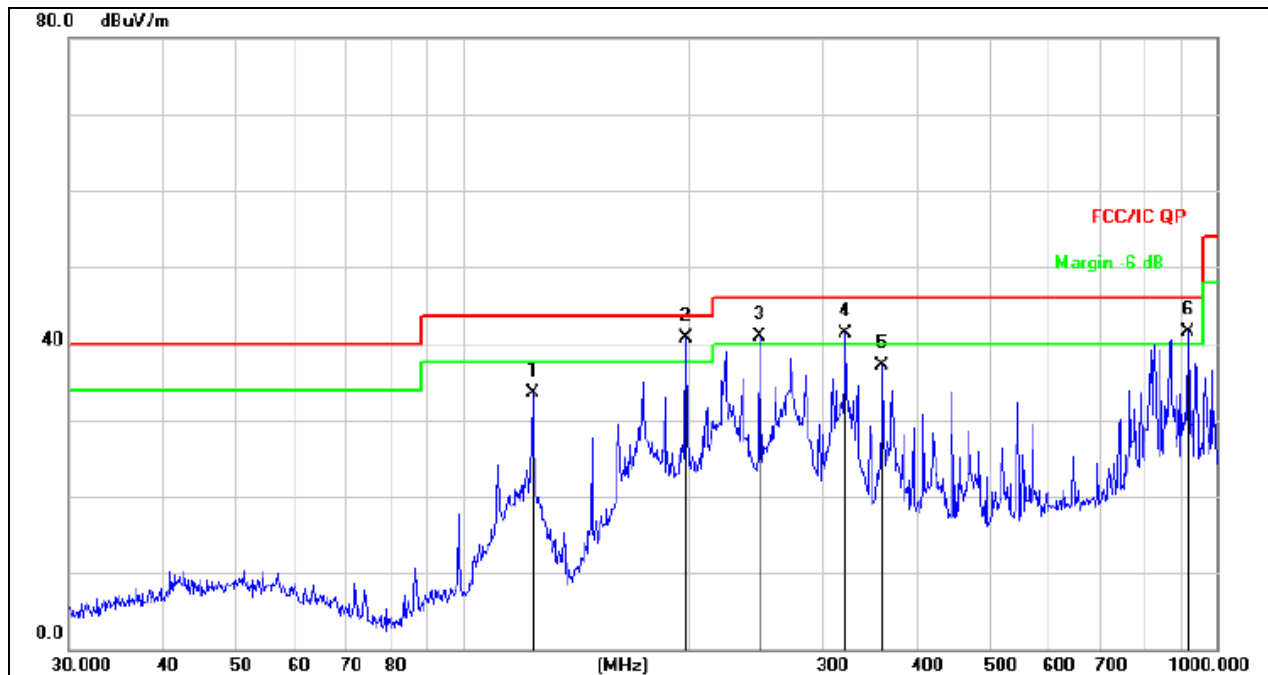
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor = $40 \log (\text{specific distance/test distance})$ (dB);

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

**3.2.7 TEST RESULTS (BETWEEN 30MHZ – 1GHZ)**

| | | | |
|----------------|----------------------|---------------------|------------|
| EUT : | 7 inch tablet | Model Name : | EGQ373 |
| Temperature : | 25℃ | Relative Humidity : | 55% |
| Pressure : | 1010 hPa | Polarization : | Horizontal |
| Test Voltage : | DC 3.7V From Battery | | |
| Test Mode : | Link Mode | | |



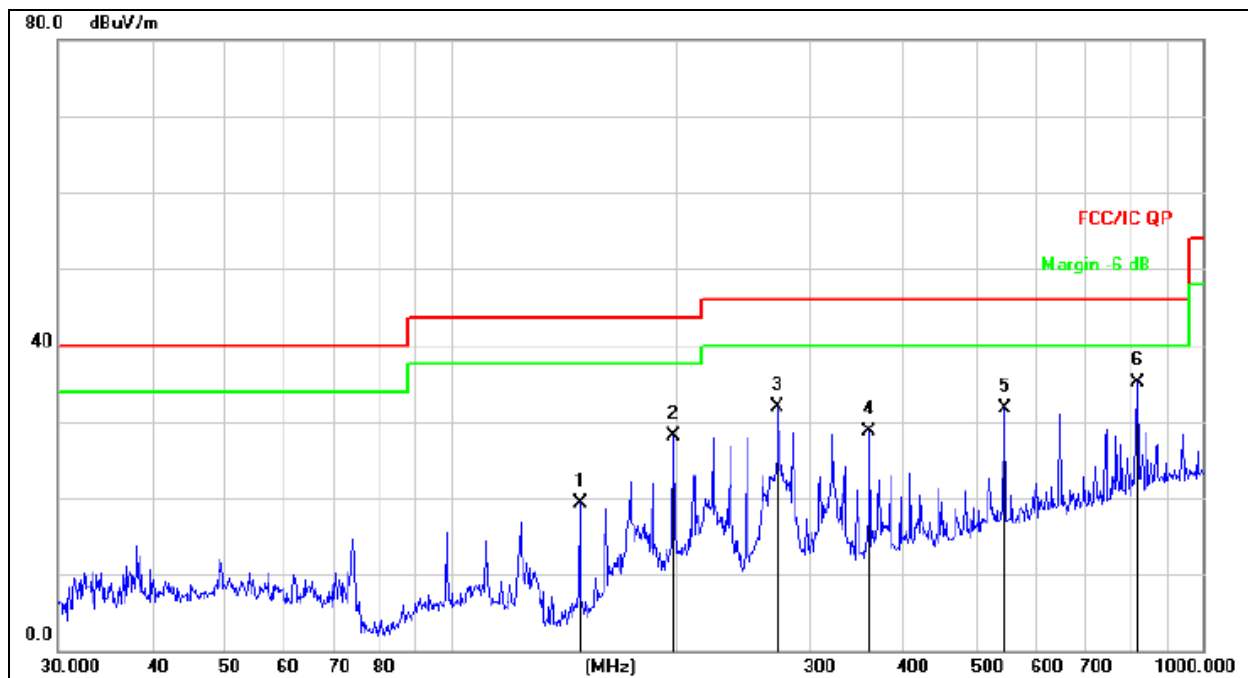
Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | |
|-----|-----|----------|---------------|----------------|--------------|-------|-------|----------|
| | | MHz | dBuV | dB | dBuV/m | dB/m | dB | Detector |
| 1 | | 123.6985 | 52.45 | -18.87 | 33.58 | 43.50 | -9.92 | QP |
| 2 | * | 197.8928 | 56.51 | -15.81 | 40.70 | 43.50 | -2.80 | QP |
| 3 | ! | 247.6819 | 54.76 | -13.84 | 40.92 | 46.00 | -5.08 | QP |
| 4 | ! | 322.1886 | 52.94 | -11.56 | 41.38 | 46.00 | -4.62 | QP |
| 5 | | 360.4476 | 47.55 | -10.40 | 37.15 | 46.00 | -8.85 | QP |
| 6 | ! | 916.0687 | 40.65 | 0.89 | 41.54 | 46.00 | -4.46 | QP |



| | | | |
|----------------|----------------------|---------------------|----------|
| EUT : | 7 inch tablet | Model Name : | EGQ373 |
| Temperature : | 25°C | Relative Humidity : | 55% |
| Pressure : | 1010 hPa | Polarization : | Vertical |
| Test Voltage : | DC 3.7V From Battery | | |
| Test Mode : | Link Mode | | |



Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | |
|-----|-----|----------|---------------|----------------|--------------|-------|--------|----------|
| | | MHz | dBuV | dB | dBuV/m | dB/m | dB | Detector |
| 1 | | 148.4410 | 39.12 | -19.72 | 19.40 | 43.50 | -24.10 | QP |
| 2 | | 197.8928 | 43.86 | -15.81 | 28.05 | 43.50 | -15.45 | QP |
| 3 | | 272.2776 | 45.00 | -13.01 | 31.99 | 46.00 | -14.01 | QP |
| 4 | | 360.4476 | 39.12 | -10.40 | 28.72 | 46.00 | -17.28 | QP |
| 5 | | 545.1826 | 37.83 | -6.16 | 31.67 | 46.00 | -14.33 | QP |
| 6 | * | 818.8341 | 35.91 | -0.90 | 35.01 | 46.00 | -10.99 | QP |

**3.2.8 TEST RESULTS (1GHZ~25GHZ)****802.11b**

| Polar (H/V) | Frequency | Meter Reading | Pre-amplifier | Cable Loss | Antenna Factor | Emission Level | Limits | Margin | Detector Type |
|----------------|-----------|------------------|---------------|---------------|-------------------|-------------------|----------|--------|------------------|
| | (MHz) | (dBuV) | (dB) | (dB) | (dB) | (dBuV/m) | (dBuV/m) | (dB) | |
| | | Low Channel:2412 | | | | | | | |
| V | 4824.00 | 66.28 | 39.55 | 7.85 | 25.66 | 60.24 | 74.00 | -13.76 | PK |
| V | 4824.00 | 47.73 | 39.55 | 7.85 | 25.66 | 41.69 | 54.00 | -12.31 | AV |
| V | 7236.00 | 67.37 | 38.33 | 7.52 | 24.55 | 61.11 | 74.00 | -12.89 | PK |
| V | 7236.00 | 48.75 | 38.33 | 7.52 | 24.55 | 42.49 | 54.00 | -11.51 | AV |
| V | 15450.00 | 46.36 | 35.23 | 6.75 | 26.59 | 44.47 | 74.00 | -29.53 | PK |
| H | 4824.00 | 68.40 | 39.55 | 7.85 | 25.66 | 62.36 | 74.00 | -11.64 | PK |
| H | 4824.00 | 49.22 | 39.55 | 7.85 | 25.66 | 43.18 | 54.00 | -10.82 | AV |
| H | 7236.00 | 66.76 | 38.33 | 7.52 | 23.55 | 59.50 | 74.00 | -14.50 | PK |
| H | 7236.00 | 47.30 | 38.33 | 7.52 | 23.22 | 39.71 | 54.00 | -14.29 | AV |
| H | 15450.00 | 46.21 | 35.45 | 6.75 | 27.88 | 45.39 | 74.00 | -28.61 | PK |

| Polar (H/V) | Frequency | Meter Reading | Pre-amplifier | Cable Loss | Antenna Factor | Emission Level | Limits | Margin | Detector Type |
|----------------|-----------|---------------------|---------------|---------------|-------------------|-------------------|----------|--------|------------------|
| | (MHz) | (dBuV) | (dB) | (dB) | (dB) | (dBuV/m) | (dBuV/m) | (dB) | |
| | | Middle Channel:2437 | | | | | | | |
| V | 4874.00 | 65.98 | 38.89 | 7.57 | 25.45 | 60.11 | 74.00 | -13.89 | PK |
| V | 4874.00 | 49.16 | 38.89 | 7.57 | 25.45 | 43.29 | 54.00 | -10.71 | AV |
| V | 7311.00 | 66.95 | 38.78 | 7.35 | 24.78 | 60.30 | 74.00 | -13.70 | PK |
| V | 7311.00 | 46.54 | 38.78 | 7.35 | 24.78 | 39.89 | 54.00 | -14.11 | AV |
| V | 15450.00 | 45.92 | 35.89 | 6.42 | 26.47 | 42.92 | 74.00 | -31.08 | PK |
| H | 4874.00 | 65.34 | 38.89 | 7.57 | 25.45 | 59.47 | 74.00 | -14.53 | PK |
| H | 4874.00 | 48.15 | 38.89 | 7.57 | 25.45 | 42.28 | 54.00 | -11.72 | AV |
| H | 7311.00 | 67.07 | 38.78 | 7.35 | 24.78 | 60.42 | 74.00 | -13.58 | PK |
| H | 7311.00 | 44.56 | 38.78 | 7.35 | 24.78 | 37.91 | 54.00 | -16.09 | AV |
| H | 15450.00 | 43.89 | 36.68 | 6.42 | 26.65 | 40.28 | 74.00 | -33.72 | PK |

| Polar (H/V) | Frequency | Meter Reading | Pre-amplifier | Cable Loss | Antenna Factor | Emission Level | Limits | Margin | Detector Type |
|----------------|-----------|-------------------|---------------|---------------|-------------------|-------------------|----------|--------|------------------|
| | (MHz) | (dBuV) | (dB) | (dB) | (dB) | (dBuV/m) | (dBuV/m) | (dB) | |
| | | High Channel:2462 | | | | | | | |
| V | 4924.00 | 67.41 | 38.75 | 7.46 | 25.45 | 61.57 | 74.00 | -12.43 | PK |
| V | 4924.00 | 44.56 | 38.75 | 7.46 | 25.45 | 38.72 | 54.00 | -15.28 | AV |
| V | 7386.00 | 65.94 | 38.65 | 7.22 | 24.78 | 59.29 | 74.00 | -14.71 | PK |
| V | 7386.00 | 43.12 | 38.65 | 7.22 | 24.78 | 36.47 | 54.00 | -17.53 | AV |
| V | 15450.00 | 47.58 | 35.58 | 6.35 | 26.47 | 44.82 | 74.00 | -29.18 | PK |
| H | 4924.00 | 66.39 | 38.75 | 7.46 | 25.45 | 60.55 | 74.00 | -13.45 | PK |
| H | 4924.00 | 44.57 | 38.75 | 7.46 | 25.45 | 38.73 | 54.00 | -15.27 | AV |
| H | 7386.00 | 62.26 | 38.65 | 7.22 | 24.78 | 55.61 | 74.00 | -18.39 | PK |
| H | 7386.00 | 43.47 | 38.65 | 7.22 | 24.78 | 36.82 | 54.00 | -17.18 | AV |
| H | 15450.00 | 44.92 | 36.42 | 6.32 | 26.65 | 41.47 | 74.00 | -32.53 | PK |

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,

Margin= Emission Level - Limit

2. If peak below the average limit, the average emission was no test.

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



802.11g

| Polar (H/V) | Frequency | Meter Reading | Pre-amplifier | Cable Loss | Antenna Factor | Emission Level | Limits | Margin | Detector Type |
|----------------|-----------|------------------|---------------|---------------|-------------------|-------------------|----------|--------|------------------|
| | (MHz) | (dBuV) | (dB) | (dB) | (dB) | (dBuV/m) | (dBuV/m) | (dB) | |
| | | Low Channel:2412 | | | | | | | |
| V | 4824.00 | 66.64 | 39.55 | 7.85 | 25.66 | 60.60 | 74.00 | -13.40 | PK |
| V | 4824.00 | 49.19 | 39.55 | 7.85 | 25.66 | 43.15 | 54.00 | -10.85 | AV |
| V | 7236.00 | 66.75 | 38.33 | 7.52 | 24.55 | 60.49 | 74.00 | -13.51 | PK |
| V | 7236.00 | 47.67 | 38.33 | 7.52 | 24.55 | 41.41 | 54.00 | -12.59 | AV |
| V | 15450.00 | 46.84 | 35.23 | 6.75 | 26.59 | 44.95 | 74.00 | -29.05 | PK |
| H | 4824.00 | 67.35 | 39.55 | 7.85 | 25.66 | 61.31 | 74.00 | -12.69 | PK |
| H | 4824.00 | 50.12 | 39.55 | 7.85 | 25.66 | 44.08 | 54.00 | -9.92 | AV |
| H | 7236.00 | 68.48 | 38.33 | 7.52 | 23.55 | 61.22 | 74.00 | -12.78 | PK |
| H | 7236.00 | 44.24 | 38.33 | 7.52 | 23.22 | 36.65 | 54.00 | -17.35 | AV |
| H | 15450.00 | 47.21 | 35.45 | 6.75 | 27.88 | 46.39 | 74.00 | -27.61 | PK |

| Polar (H/V) | Frequency | Meter Reading | Pre-amplifier | Cable Loss | Antenna Factor | Emission Level | Limits | Margin | Detector Type |
|----------------|-----------|---------------------|---------------|---------------|-------------------|-------------------|----------|--------|------------------|
| | (MHz) | (dBuV) | (dB) | (dB) | (dB) | (dBuV/m) | (dBuV/m) | (dB) | |
| | | Middle Channel:2437 | | | | | | | |
| V | 4874.00 | 67.21 | 38.89 | 7.57 | 25.45 | 61.34 | 74.00 | -12.66 | PK |
| V | 4874.00 | 49.76 | 38.89 | 7.57 | 25.45 | 43.89 | 54.00 | -10.11 | AV |
| V | 7311.00 | 67.68 | 38.78 | 7.35 | 24.78 | 61.03 | 74.00 | -12.97 | PK |
| V | 7311.00 | 47.75 | 38.78 | 7.35 | 24.78 | 41.10 | 54.00 | -12.90 | AV |
| V | 15450.00 | 52.09 | 35.89 | 6.42 | 26.47 | 49.09 | 74.00 | -24.91 | PK |
| H | 4874.00 | 65.55 | 38.89 | 7.57 | 25.45 | 59.68 | 74.00 | -14.32 | PK |
| H | 4874.00 | 49.66 | 38.89 | 7.57 | 25.45 | 43.79 | 54.00 | -10.21 | AV |
| H | 7311.00 | 68.77 | 38.78 | 7.35 | 24.78 | 62.12 | 74.00 | -11.88 | PK |
| H | 7311.00 | 46.28 | 38.78 | 7.35 | 24.78 | 39.63 | 54.00 | -14.37 | AV |
| H | 15450.00 | 45.33 | 36.68 | 6.42 | 26.65 | 41.72 | 74.00 | -32.28 | PK |

| Polar (H/V) | Frequency | Meter Reading | Pre-amplifier | Cable Loss | Antenna Factor | Emission Level | Limits | Margin | Detector Type |
|----------------|-----------|-------------------|---------------|---------------|-------------------|-------------------|----------|--------|------------------|
| | (MHz) | (dBuV) | (dB) | (dB) | (dB) | (dBuV/m) | (dBuV/m) | (dB) | |
| | | High Channel:2462 | | | | | | | |
| V | 4924.00 | 66.62 | 38.75 | 7.46 | 25.45 | 60.78 | 74.00 | -13.22 | PK |
| V | 4924.00 | 48.14 | 38.75 | 7.46 | 25.45 | 42.30 | 54.00 | -11.70 | AV |
| V | 7386.00 | 67.28 | 38.65 | 7.22 | 24.78 | 60.63 | 74.00 | -13.37 | PK |
| V | 7386.00 | 49.14 | 38.65 | 7.22 | 24.78 | 42.49 | 54.00 | -11.51 | AV |
| V | 15450.00 | 46.59 | 35.58 | 6.35 | 26.47 | 43.83 | 74.00 | -30.17 | PK |
| H | 4924.00 | 47.48 | 38.75 | 7.46 | 25.45 | 41.64 | 74.00 | -32.36 | PK |
| H | 4924.00 | 47.21 | 38.75 | 7.46 | 25.45 | 41.37 | 54.00 | -12.63 | AV |
| H | 7386.00 | 63.46 | 38.65 | 7.22 | 24.78 | 56.81 | 74.00 | -17.19 | PK |
| H | 7386.00 | 46.49 | 38.65 | 7.22 | 24.78 | 39.84 | 54.00 | -14.16 | AV |
| H | 15450.00 | 46.52 | 36.42 | 6.32 | 26.65 | 43.07 | 74.00 | -30.93 | PK |

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,

Margin= Emission Level - Limit

2. If peak below the average limit, the average emission was no test.

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



802.11n(20MHz)

| Polar (H/V) | Frequency | Meter Reading | Pre-amplifier | Cable Loss | Antenna Factor | Emission Level | Limits | Margin | Detector Type |
|----------------|-----------|------------------|---------------|---------------|-------------------|-------------------|----------|--------|------------------|
| | (MHz) | (dBuV) | (dB) | (dB) | (dB) | (dBuV/m) | (dBuV/m) | (dB) | |
| | | Low Channel:2412 | | | | | | | |
| V | 4824.00 | 66.00 | 39.55 | 7.85 | 25.66 | 59.96 | 74.00 | -14.04 | PK |
| V | 4824.00 | 46.41 | 39.55 | 7.85 | 25.66 | 40.37 | 54.00 | -13.63 | AV |
| V | 7236.00 | 64.83 | 38.33 | 7.52 | 24.55 | 58.57 | 74.00 | -15.43 | PK |
| V | 7236.00 | 45.97 | 38.33 | 7.52 | 24.55 | 39.71 | 54.00 | -14.29 | AV |
| V | 15450.00 | 48.58 | 35.23 | 6.75 | 26.59 | 46.69 | 74.00 | -27.31 | PK |
| H | 4824.00 | 64.92 | 39.55 | 7.85 | 25.66 | 58.88 | 74.00 | -15.12 | PK |
| H | 4824.00 | 47.46 | 39.55 | 7.85 | 25.66 | 41.42 | 54.00 | -12.58 | AV |
| H | 7236.00 | 67.38 | 38.33 | 7.52 | 23.55 | 60.12 | 74.00 | -13.88 | PK |
| H | 7236.00 | 49.46 | 38.33 | 7.52 | 23.22 | 41.87 | 54.00 | -12.13 | AV |
| H | 15450.00 | 45.51 | 35.45 | 6.75 | 27.88 | 44.69 | 74.00 | -29.31 | PK |

| Polar (H/V) | Frequency | Meter Reading | Pre-amplifier | Cable Loss | Antenna Factor | Emission Level | Limits | Margin | Detector Type |
|----------------|-----------|---------------------|---------------|---------------|-------------------|-------------------|----------|--------|------------------|
| | (MHz) | (dBuV) | (dB) | (dB) | (dB) | (dBuV/m) | (dBuV/m) | (dB) | |
| | | Middle Channel:2437 | | | | | | | |
| V | 4874.00 | 66.88 | 38.89 | 7.57 | 25.45 | 61.01 | 74.00 | -12.99 | PK |
| V | 4874.00 | 47.53 | 38.89 | 7.57 | 25.45 | 41.66 | 54.00 | -12.34 | AV |
| V | 7311.00 | 67.39 | 38.78 | 7.35 | 24.78 | 60.74 | 74.00 | -13.26 | PK |
| V | 7311.00 | 47.27 | 38.78 | 7.35 | 24.78 | 40.62 | 54.00 | -13.38 | AV |
| V | 15450.00 | 46.43 | 35.89 | 6.42 | 26.47 | 43.43 | 74.00 | -30.57 | PK |
| H | 4874.00 | 66.25 | 38.89 | 7.57 | 25.45 | 60.38 | 74.00 | -13.62 | PK |
| H | 4874.00 | 48.40 | 38.89 | 7.57 | 25.45 | 42.53 | 54.00 | -11.47 | AV |
| H | 7311.00 | 69.61 | 38.78 | 7.35 | 24.78 | 62.96 | 74.00 | -11.04 | PK |
| H | 7311.00 | 48.24 | 38.78 | 7.35 | 24.78 | 41.59 | 54.00 | -12.41 | AV |
| H | 15450.00 | 44.96 | 36.68 | 6.42 | 26.65 | 41.35 | 74.00 | -32.65 | PK |

| Polar (H/V) | Frequency | Meter Reading | Pre-amplifier | Cable Loss | Antenna Factor | Emission Level | Limits | Margin | Detector Type |
|----------------|-----------|-------------------|---------------|---------------|-------------------|-------------------|----------|--------|------------------|
| | (MHz) | (dBuV) | (dB) | (dB) | (dB) | (dBuV/m) | (dBuV/m) | (dB) | |
| | | High Channel:2462 | | | | | | | |
| V | 4924.00 | 66.45 | 38.75 | 7.46 | 25.45 | 60.61 | 74.00 | -13.39 | PK |
| V | 4924.00 | 48.62 | 38.75 | 7.46 | 25.45 | 42.78 | 54.00 | -11.22 | AV |
| V | 7386.00 | 65.74 | 38.65 | 7.22 | 24.78 | 59.09 | 74.00 | -14.91 | PK |
| V | 7386.00 | 47.65 | 38.65 | 7.22 | 24.78 | 41.00 | 54.00 | -13.00 | AV |
| V | 15450.00 | 45.92 | 35.58 | 6.35 | 26.47 | 43.16 | 74.00 | -30.84 | PK |
| H | 4924.00 | 64.16 | 38.75 | 7.46 | 25.45 | 58.32 | 74.00 | -15.68 | PK |
| H | 4924.00 | 49.52 | 38.75 | 7.46 | 25.45 | 43.68 | 54.00 | -10.32 | AV |
| H | 7386.00 | 67.67 | 38.65 | 7.22 | 24.78 | 61.02 | 74.00 | -12.98 | PK |
| H | 7386.00 | 46.34 | 38.65 | 7.22 | 24.78 | 39.69 | 54.00 | -14.31 | AV |
| H | 15450.00 | 45.56 | 36.42 | 6.32 | 26.65 | 42.11 | 74.00 | -31.89 | PK |

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,

Margin= Emission Level - Limit

2. If peak below the average limit, the average emission was no test.

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



802.11n(40MHz)

| Polar (H/V) | Frequency (MHz) | Meter Reading (dBuV) | Pre-amplifier (dB) | Cable Loss (dB) | Antenna Factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Detector Type |
|------------------|--------------------|----------------------------|-----------------------|-----------------------|---------------------------|-------------------------------|--------------------|----------------|------------------|
| Low Channel:2422 | | | | | | | | | |
| V | 4844.000 | 65.85 | 39.55 | 7.77 | 25.66 | 59.73 | 74 | -14.27 | PK |
| V | 4844.000 | 47.63 | 39.55 | 7.77 | 25.66 | 41.51 | 54 | -12.49 | AV |
| V | 7266.000 | 64.42 | 38.33 | 7.30 | 24.55 | 57.94 | 74 | -16.06 | PK |
| V | 7266.000 | 45.38 | 38.33 | 7.30 | 24.55 | 38.90 | 54 | -15.10 | AV |
| V | 15450.00 | 46.32 | 35.23 | 6.60 | 26.59 | 44.28 | 74 | -29.72 | PK |
| H | 4844.000 | 66.45 | 39.55 | 7.77 | 25.66 | 60.33 | 74 | -13.67 | PK |
| H | 4844.000 | 42.43 | 39.55 | 7.77 | 25.66 | 36.31 | 54 | -17.69 | AV |
| H | 7266.000 | 62.75 | 38.33 | 7.30 | 23.55 | 55.27 | 74 | -18.73 | PK |
| H | 7266.000 | 46.58 | 38.33 | 7.30 | 23.22 | 38.77 | 54 | -15.23 | AV |
| H | 15450.00 | 45.24 | 35.45 | 6.60 | 27.88 | 44.27 | 74 | -29.73 | PK |

| Polar (H/V) | Frequency (MHz) | Meter Reading (dBuV) | Pre-amplifier (dB) | Cable Loss (dB) | Antenna Factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Detector Type |
|---------------------|--------------------|----------------------------|-----------------------|-----------------------|---------------------------|-------------------------------|--------------------|----------------|------------------|
| Middle Channel:2437 | | | | | | | | | |
| V | 4874.00 | 66.18 | 38.89 | 7.57 | 25.45 | 60.31 | 74.00 | -13.69 | PK |
| V | 4874.00 | 48.36 | 38.89 | 7.57 | 25.45 | 42.49 | 54.00 | -11.51 | AV |
| V | 7311.00 | 68.65 | 38.78 | 7.35 | 24.78 | 62.00 | 74.00 | -12.00 | PK |
| V | 7311.00 | 48.28 | 38.78 | 7.35 | 24.78 | 41.63 | 54.00 | -12.37 | AV |
| V | 15450.00 | 48.14 | 35.89 | 6.42 | 26.47 | 45.14 | 74.00 | -28.86 | PK |
| H | 4874.00 | 67.27 | 38.89 | 7.57 | 25.45 | 61.40 | 74.00 | -12.60 | PK |
| H | 4874.00 | 48.24 | 38.89 | 7.57 | 25.45 | 42.37 | 54.00 | -11.63 | AV |
| H | 7311.00 | 65.69 | 38.78 | 7.35 | 24.78 | 59.04 | 74.00 | -14.96 | PK |
| H | 7311.00 | 49.53 | 38.78 | 7.35 | 24.78 | 42.88 | 54.00 | -11.12 | AV |
| H | 15450.00 | 47.92 | 36.68 | 6.42 | 26.65 | 44.31 | 74.00 | -29.69 | PK |

| Polar (H/V) | Frequency (MHz) | Meter Reading (dBuV) | Pre-amplifier (dB) | Cable Loss (dB) | Antenna Factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Detector Type |
|-------------------|--------------------|----------------------------|-----------------------|-----------------------|---------------------------|-------------------------------|--------------------|----------------|------------------|
| High Channel:2452 | | | | | | | | | |
| V | 4904.00 | 67.18 | 38.75 | 7.38 | 25.45 | 61.26 | 74 | -12.74 | PK |
| V | 4904.00 | 47.82 | 38.75 | 7.38 | 25.45 | 41.90 | 54 | -12.10 | AV |
| V | 7356.00 | 64.03 | 38.65 | 7.15 | 24.78 | 57.31 | 74 | -16.69 | PK |
| V | 7356.00 | 46.81 | 38.65 | 7.15 | 24.78 | 40.09 | 54 | -13.91 | AV |
| V | 15450.00 | 48.08 | 35.58 | 6.25 | 26.47 | 45.22 | 74 | -28.78 | PK |
| H | 4904.00 | 67.67 | 38.75 | 7.38 | 25.45 | 61.75 | 74 | -12.25 | PK |
| H | 4904.00 | 45.13 | 38.75 | 7.38 | 25.45 | 39.21 | 54 | -14.79 | AV |
| H | 7356.00 | 60.08 | 38.65 | 7.15 | 24.78 | 53.36 | 74 | -20.64 | PK |
| H | 7356.00 | 46.51 | 38.65 | 7.15 | 24.78 | 39.79 | 54 | -14.21 | AV |
| H | 15450.00 | 45.29 | 36.42 | 6.25 | 26.65 | 41.77 | 74 | -32.23 | PK |

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



3.3 RADIATED BAND EMISSION MEASUREMENT

3.3.1 TEST REQUIREMENT:

FCC Part15 C Section 15.209 and 15.205

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

| FREQUENCY (MHz) | Limit (dBuV/m) (at 3M) | |
|-----------------|------------------------|---------|
| | PEAK | AVERAGE |
| Above 1000 | 74 | 54 |

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

| Spectrum Parameter | Setting |
|---------------------------------------|--|
| Attenuation | Auto |
| Start Frequency | 2300MHz |
| Stop Frequency | 2520 |
| RB / VB (emission in restricted band) | 1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average |

3.3.2 TEST PROCEDURE

Above 1GHz test procedure as below:

- a. 1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. 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.
- g. Test the EUT in the lowest channel,the Highest channel

Note:

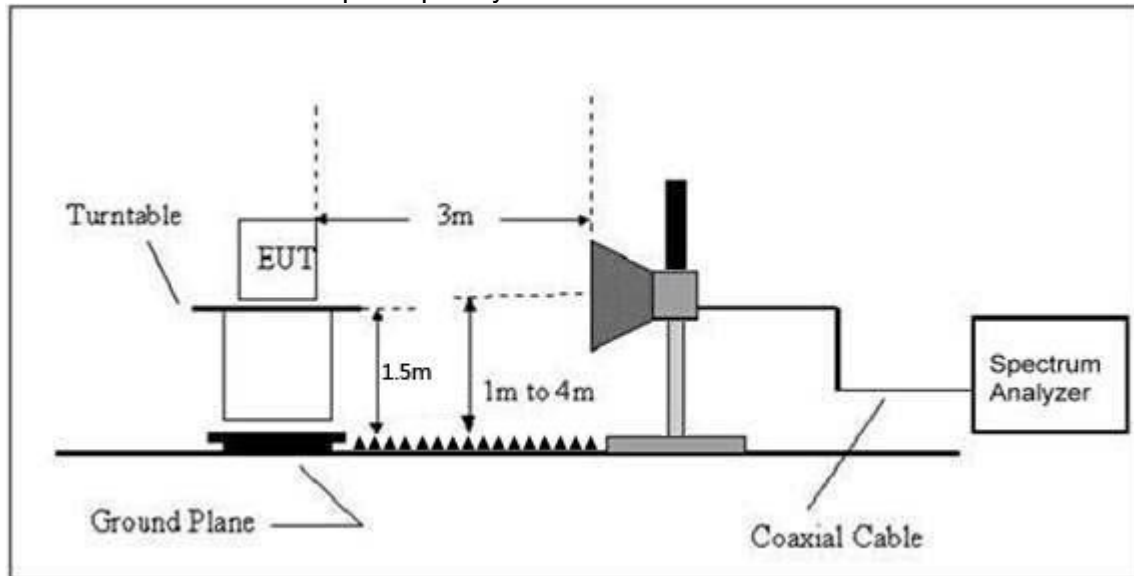
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

3.3.3 DEVIATION FROM TEST STANDARD

No deviation

3.3.4 TEST SETUP

Radiated Emission Test-Up Frequency Above 1GHz



3.3.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.



3.3.6 TEST RESULT

| | Polar (H/V) | Frequency (MHz) | Meter Reading (dBuV) | Pre- amplifier (dB) | Cable Loss (dB) | Antenna Factor (dB/m) | Emission evel (dBuV/m) | Limits (dBuV/m) | | Result |
|--|----------------------|--------------------|----------------------------|---------------------------|-----------------------|-----------------------------|------------------------------|--------------------|-------|--------|
| | | | | | | | PK | PK | AV | |
| 802.11b | Low Channel 2412MHz | | | | | | | | | |
| | H | 2390.00 | 56.16 | 38.06 | 7.42 | 20.15 | 45.67 | 74.00 | 54.00 | PASS |
| | H | 2400.00 | 57.49 | 38.06 | 7.42 | 20.15 | 47.00 | 74.00 | 54.00 | PASS |
| | V | 2390.00 | 56.67 | 38.06 | 7.42 | 20.15 | 46.18 | 74.00 | 54.00 | PASS |
| | V | 2400.00 | 58.09 | 38.06 | 7.42 | 20.15 | 47.60 | 74.00 | 54.00 | PASS |
| | High Channel 2462MHz | | | | | | | | | |
| | H | 2483.50 | 58.98 | 38.17 | 7.45 | 20.54 | 48.80 | 74.00 | 54.00 | PASS |
| | H | 2485.50 | 57.46 | 38.17 | 7.45 | 20.54 | 47.28 | 74.00 | 54.00 | PASS |
| | V | 2483.50 | 58.65 | 38.20 | 7.45 | 20.54 | 48.44 | 74.00 | 54.00 | PASS |
| | V | 2485.50 | 57.74 | 38.20 | 7.45 | 20.54 | 47.53 | 74.00 | 54.00 | PASS |
| 802.11g | Low Channel 2412MHz | | | | | | | | | |
| | H | 2390.00 | 58.72 | 38.06 | 7.42 | 20.15 | 48.23 | 74.00 | 54.00 | PASS |
| | H | 2400.00 | 59.49 | 38.06 | 7.42 | 20.15 | 49.00 | 74.00 | 54.00 | PASS |
| | V | 2390.00 | 58.37 | 38.06 | 7.42 | 20.15 | 47.88 | 74.00 | 54.00 | PASS |
| | V | 2400.00 | 59.96 | 38.06 | 7.42 | 20.15 | 49.47 | 74.00 | 54.00 | PASS |
| | High Channel 2462MHz | | | | | | | | | |
| | H | 2483.50 | 58.94 | 38.17 | 7.45 | 20.54 | 48.76 | 74.00 | 54.00 | PASS |
| | H | 2485.50 | 57.84 | 38.17 | 7.45 | 20.54 | 47.66 | 74.00 | 54.00 | PASS |
| | V | 2483.50 | 59.76 | 38.20 | 7.45 | 20.54 | 49.55 | 74.00 | 54.00 | PASS |
| | V | 2485.50 | 58.28 | 38.20 | 7.45 | 20.54 | 48.07 | 74.00 | 54.00 | PASS |
| 802.11N20 | Low Channel 2412MHz | | | | | | | | | |
| | H | 2390.00 | 58.34 | 38.06 | 7.42 | 20.15 | 47.85 | 74.00 | 54.00 | PASS |
| | H | 2400.00 | 59.48 | 38.06 | 7.42 | 20.15 | 48.99 | 74.00 | 54.00 | PASS |
| | V | 2390.00 | 57.86 | 38.06 | 7.42 | 20.15 | 47.37 | 74.00 | 54.00 | PASS |
| | V | 2400.00 | 59.21 | 38.06 | 7.42 | 20.15 | 48.72 | 74.00 | 54.00 | PASS |
| | High Channel 2462MHz | | | | | | | | | |
| | H | 2483.50 | 59.91 | 38.17 | 7.45 | 20.54 | 49.73 | 74.00 | 54.00 | PASS |
| | H | 2485.50 | 57.49 | 38.17 | 7.45 | 20.54 | 47.31 | 74.00 | 54.00 | PASS |
| | V | 2483.50 | 59.65 | 38.20 | 7.45 | 20.54 | 49.44 | 74.00 | 54.00 | PASS |
| | V | 2485.50 | 58.04 | 38.20 | 7.45 | 20.54 | 47.83 | 74.00 | 54.00 | PASS |
| 802.11N40 | Low Channel 2422MHz | | | | | | | | | |
| | H | 2390.00 | 58.68 | 38.06 | 7.42 | 20.15 | 48.19 | 74.00 | 54.00 | PASS |
| | H | 2400.00 | 59.36 | 38.06 | 7.42 | 20.15 | 48.87 | 74.00 | 54.00 | PASS |
| | V | 2390.00 | 58.04 | 38.06 | 7.42 | 20.15 | 47.55 | 74.00 | 54.00 | PASS |
| | V | 2400.00 | 59.57 | 38.06 | 7.42 | 20.15 | 49.08 | 74.00 | 54.00 | PASS |
| | High Channel 2452MHz | | | | | | | | | |
| | H | 2483.50 | 59.86 | 38.17 | 7.45 | 20.54 | 49.68 | 74.00 | 54.00 | PASS |
| | H | 2485.50 | 58.35 | 38.17 | 7.45 | 20.54 | 48.17 | 74.00 | 54.00 | PASS |
| | V | 2483.50 | 59.79 | 38.20 | 7.45 | 20.54 | 49.58 | 74.00 | 54.00 | PASS |
| | V | 2485.50 | 58.43 | 38.20 | 7.45 | 20.54 | 48.22 | 74.00 | 54.00 | PASS |
| Remark: | | | | | | | | | | |
| 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit | | | | | | | | | | |
| 2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit. | | | | | | | | | | |



4. POWER SPECTRAL DENSITY TEST

4.1 APPLIED PROCEDURES / LIMIT

| FCC Part15 (15.247) , Subpart C | | | | |
|---------------------------------|------------------------|------------------------|-----------------------|--------|
| Section | Test Item | Limit | Frequency Range (MHz) | Result |
| 15.247 | Power Spectral Density | 8 dBm (in any 3KHz) | 2400-2483.5 | PASS |

4.1.1 TEST PROCEDURE

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS bandwidth.
3. Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
4. Set the VBW $\geq 3 \times \text{RBW}$.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level within the RBW.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

4.1.2 DEVIATION FROM STANDARD

No deviation.

4.1.3 TEST SETUP



4.1.4 EUT OPERATION CONDITIONS

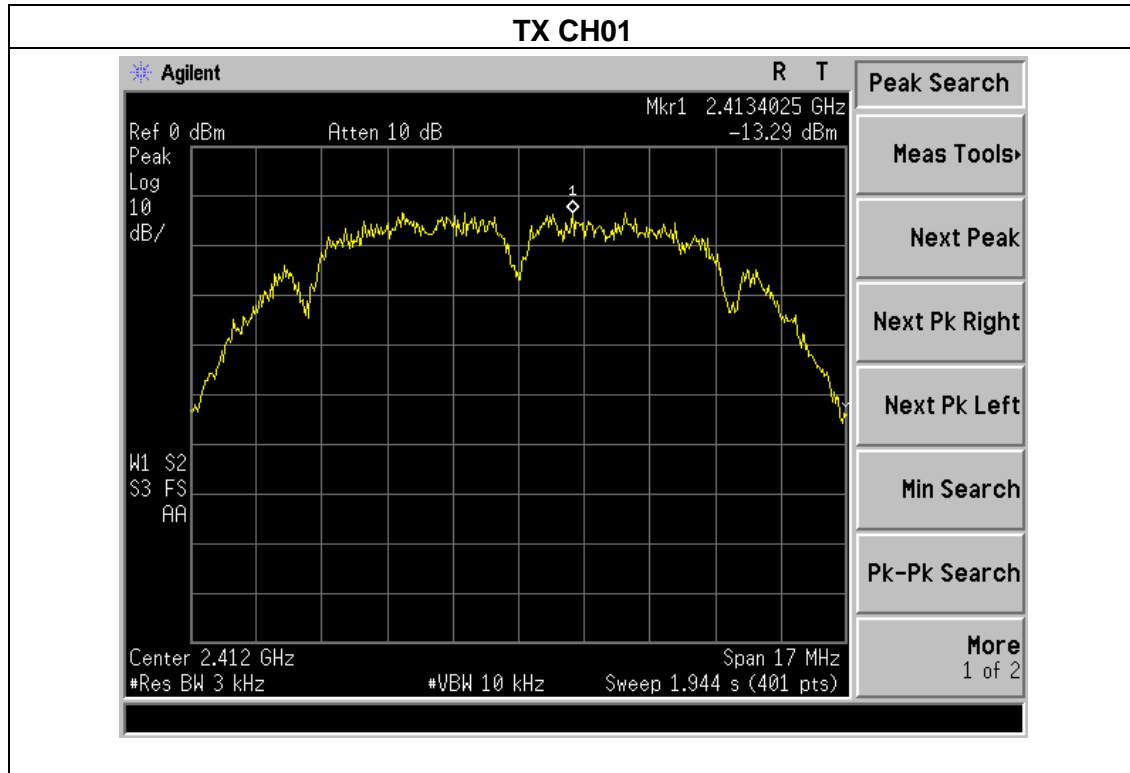
The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.



4.1.5 TEST RESULTS

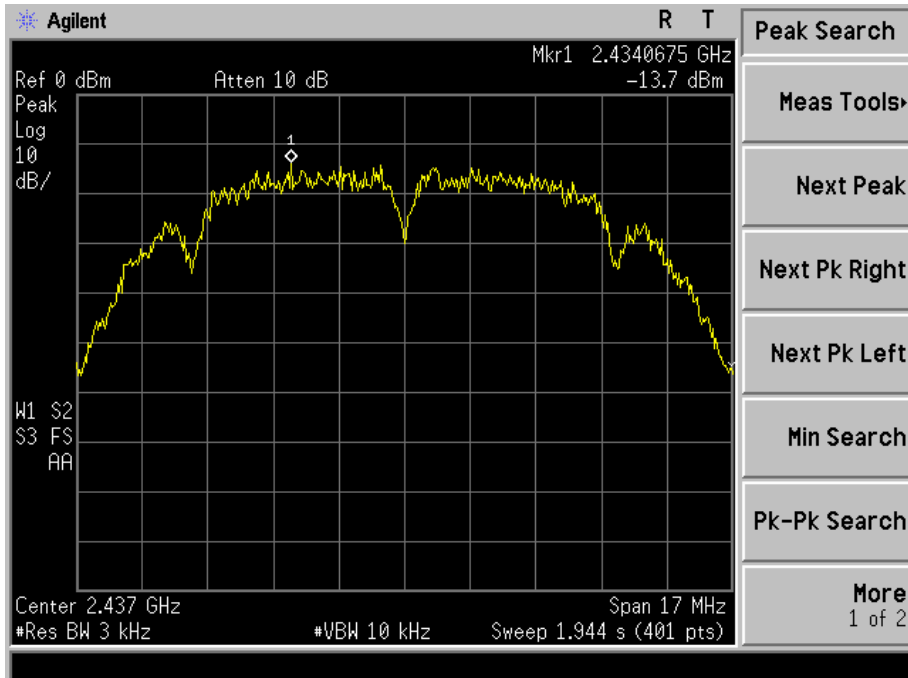
| | | | |
|---------------|-----------------------------|---------------------|----------------------|
| EUT : | 7 inch tablet | Model Name : | EGQ373 |
| Temperature : | 25°C | Relative Humidity : | 60% |
| Pressure : | 1015 hPa | Test Voltage : | DC 3.7V From Battery |
| Test Mode : | TX b Mode /CH01, CH06, CH11 | | |

| Frequency | Power Density (dBm) | Limit (dBm) | Result |
|-----------|---------------------|-------------|--------|
| 2412 MHz | -13.29 | 8 | PASS |
| 2437 MHz | -13.70 | 8 | PASS |
| 2462 MHz | -12.35 | 8 | PASS |

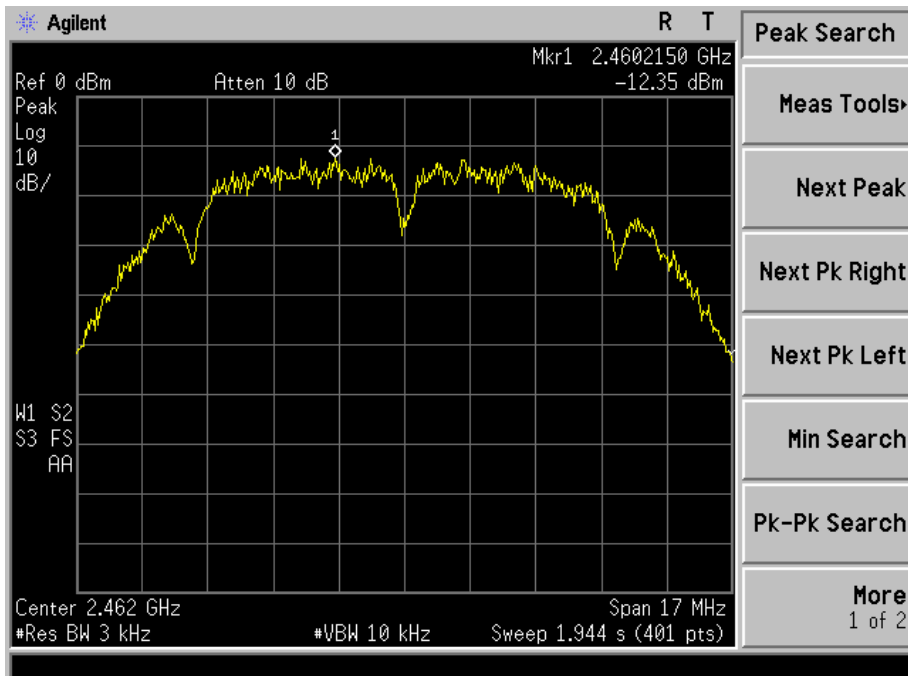




TX CH06



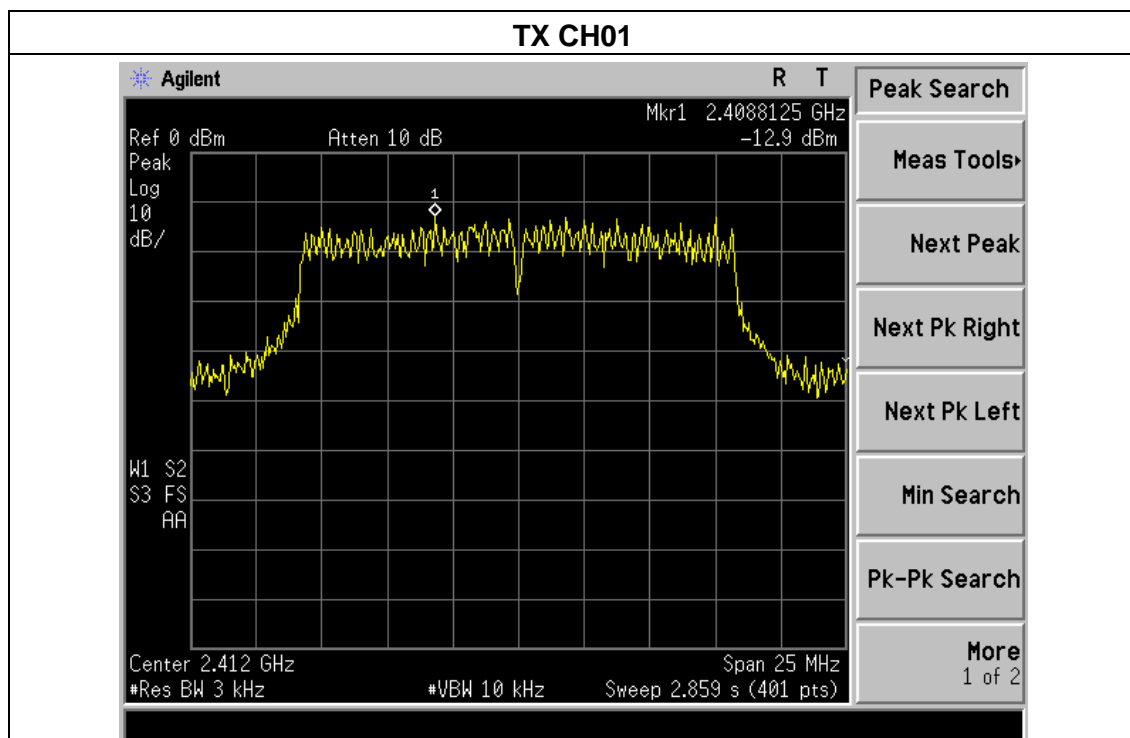
TX CH11

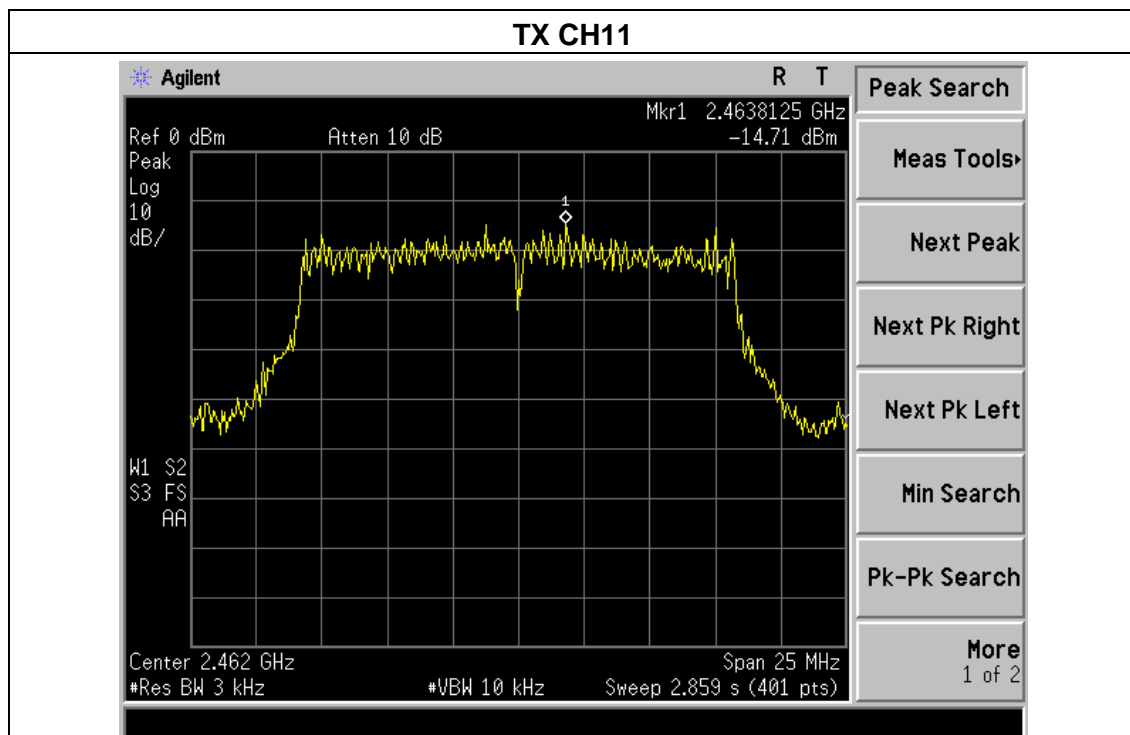
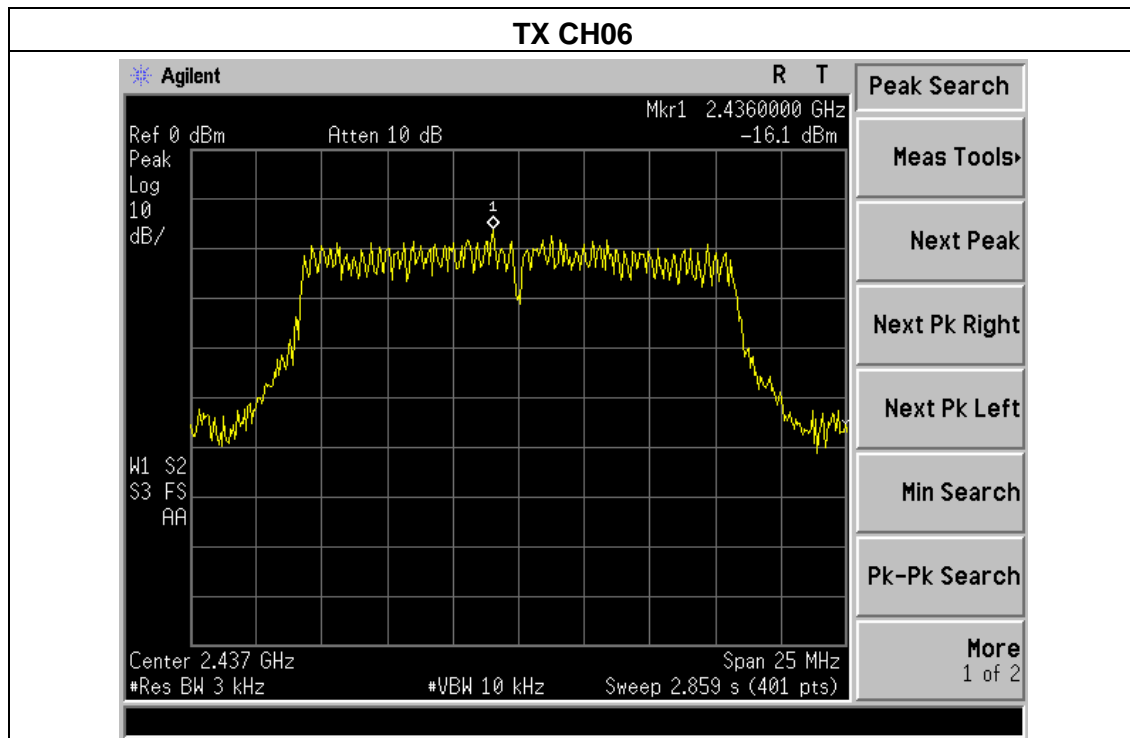




| | | | |
|---------------|-----------------------------|---------------------|----------------------|
| EUT : | 7 inch tablet | Model Name : | EGQ373 |
| Temperature : | 25°C | Relative Humidity : | 60% |
| Pressure : | 1015 hPa | Test Voltage : | DC 3.7V From Battery |
| Test Mode : | TX g Mode /CH01, CH06, CH11 | | |

| Frequency | Power Density (dBm) | Limit (dBm) | Result |
|-----------|---------------------|-------------|--------|
| 2412 MHz | -12.90 | 8 | PASS |
| 2437 MHz | -16.10 | 8 | PASS |
| 2462 MHz | -14.71 | 8 | PASS |

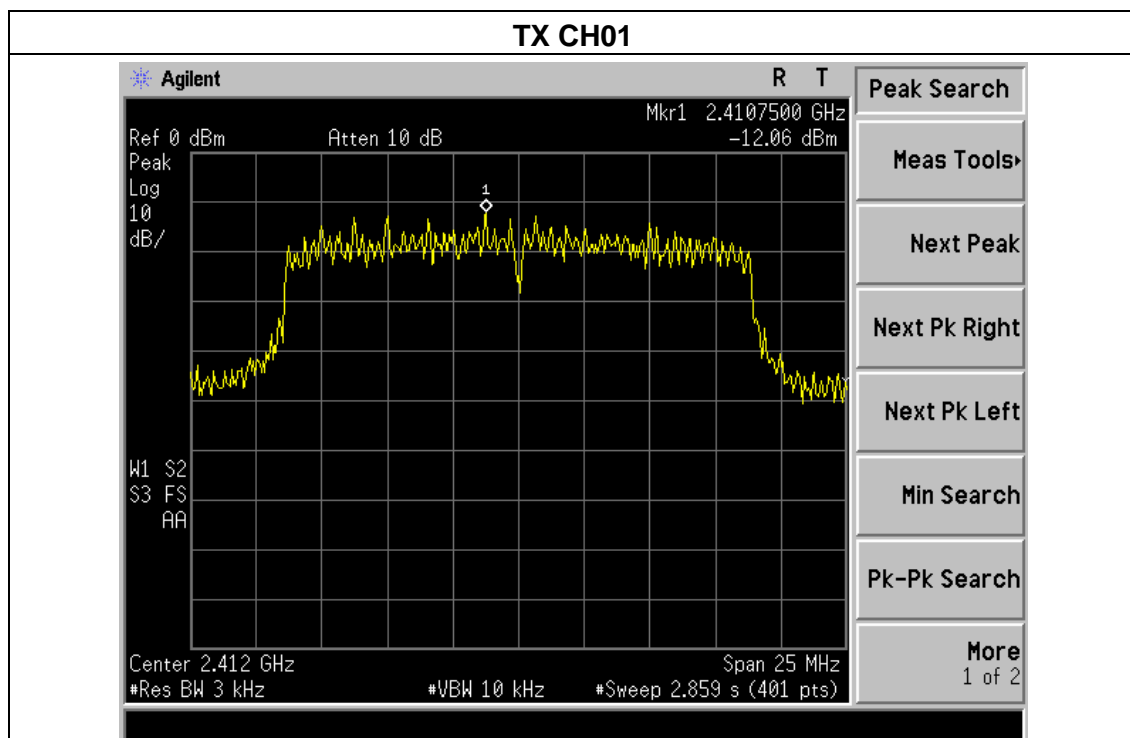


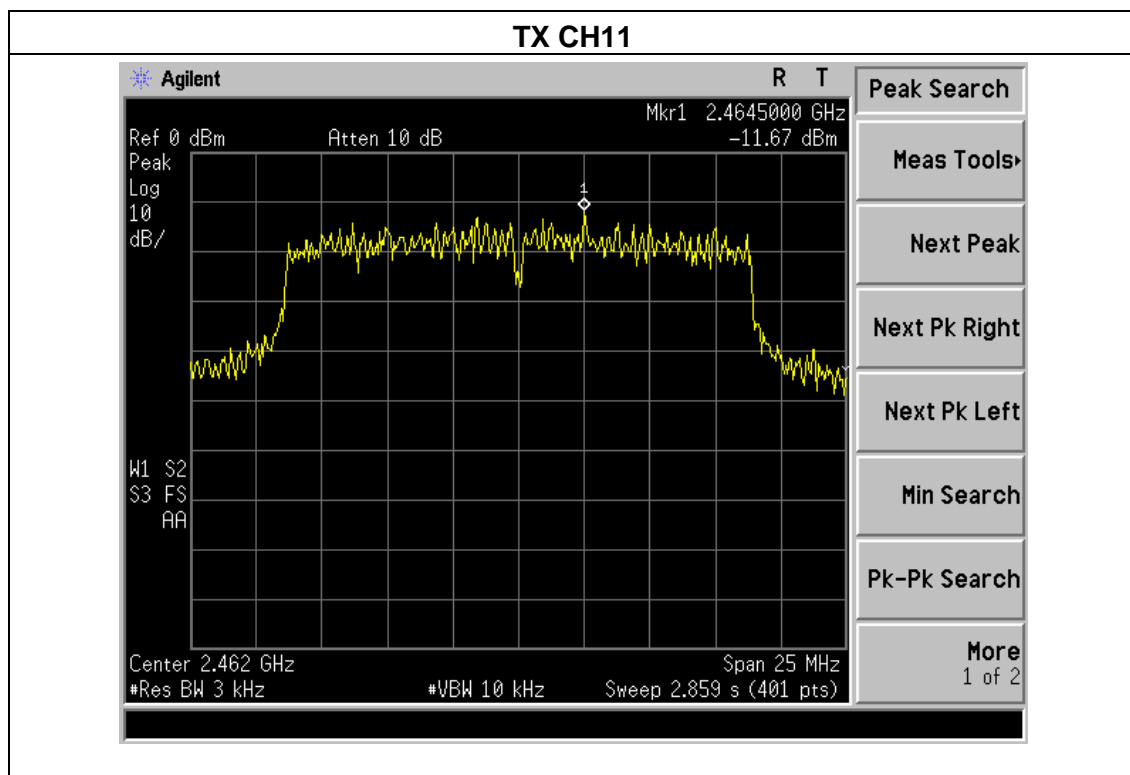
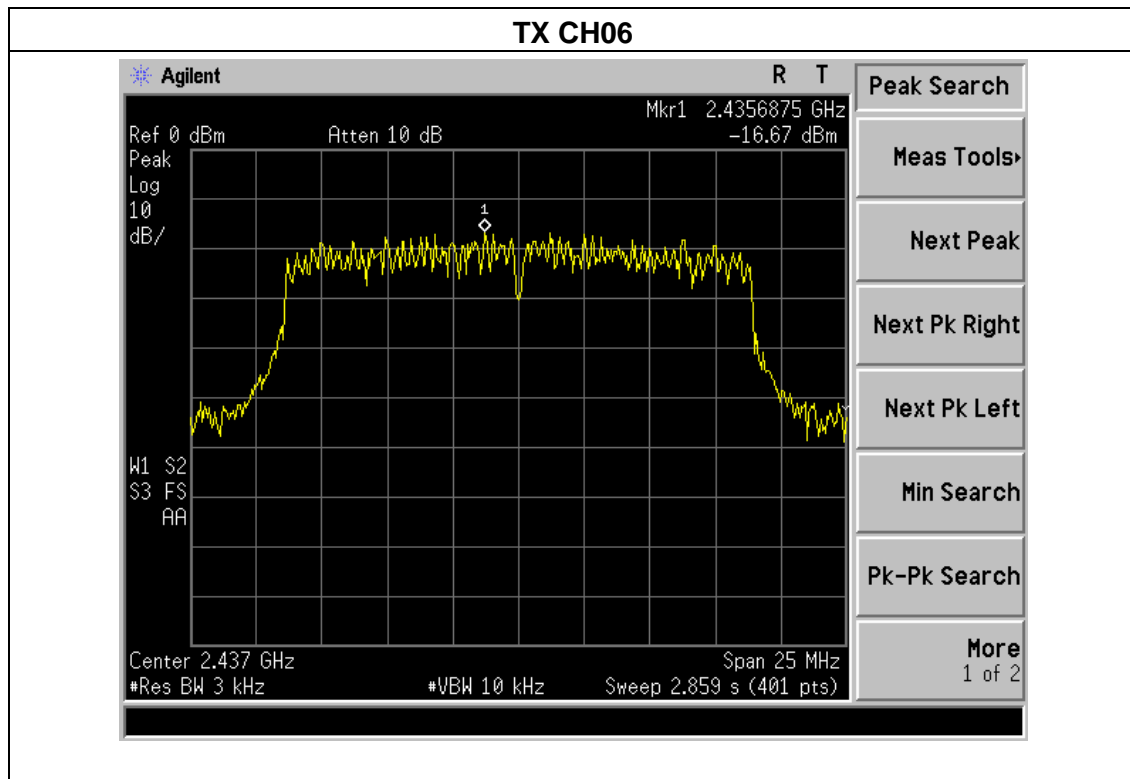




| | | | |
|---------------|----------------------------------|---------------------|----------------------|
| EUT : | 7 inch tablet | Model Name : | EGQ373 |
| Temperature : | 25°C | Relative Humidity : | 60% |
| Pressure : | 1015 hPa | Test Voltage : | DC 3.7V From Battery |
| Test Mode : | TX n Mode(20M) /CH01, CH06, CH11 | | |

| Frequency | Power Density (dBm) | Limit (dBm) | Result |
|-----------|---------------------|-------------|--------|
| 2412 MHz | -12.06 | 8 | PASS |
| 2437 MHz | -16.67 | 8 | PASS |
| 2462 MHz | -11.67 | 8 | PASS |

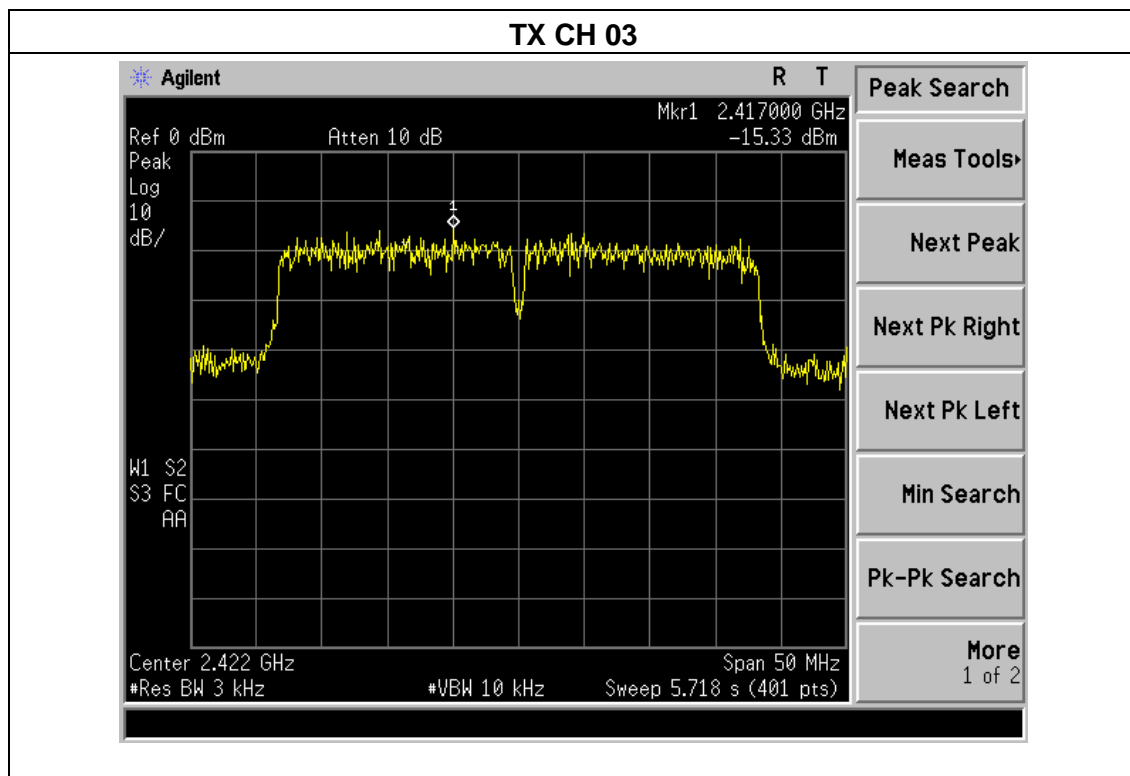


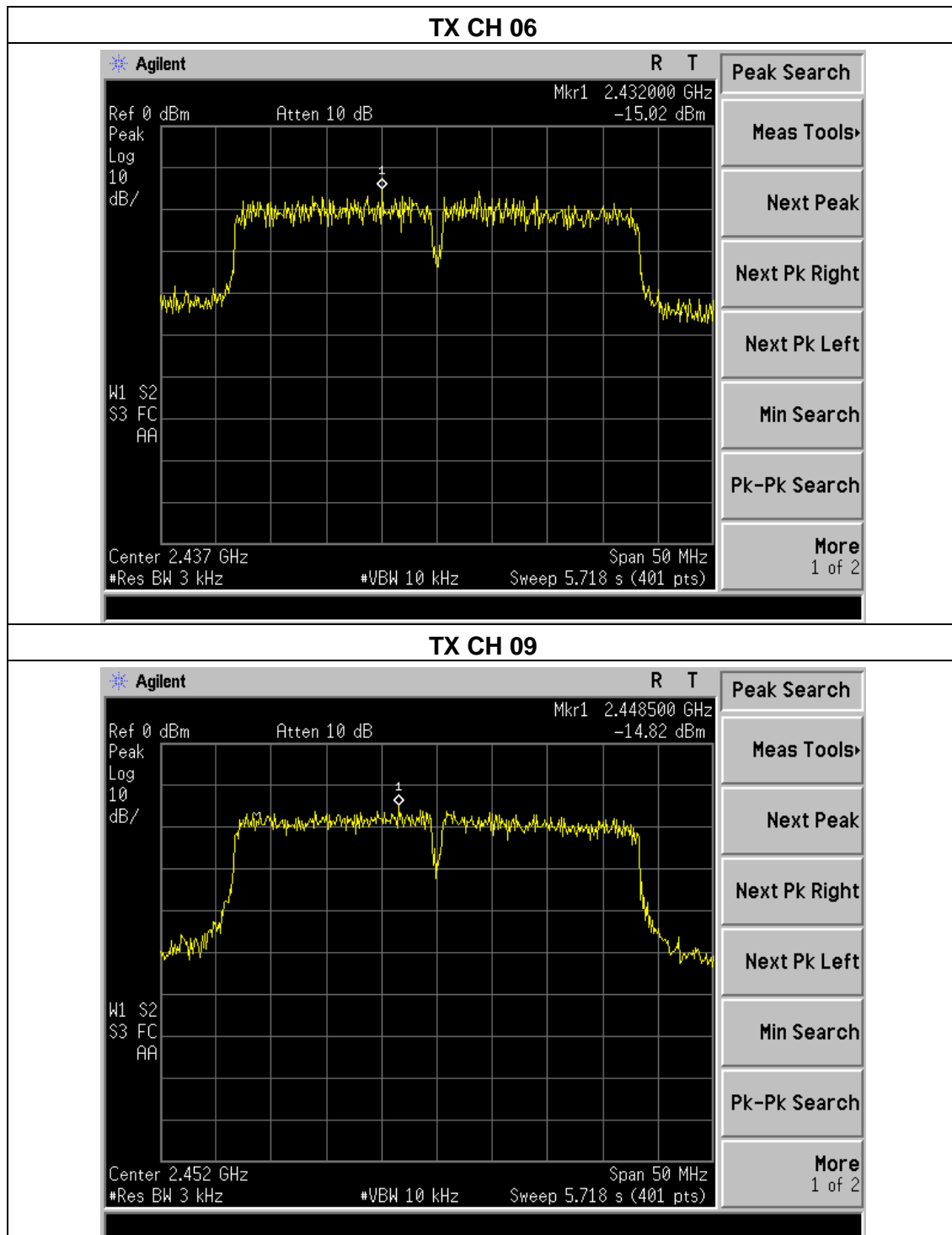




| | | | |
|---------------|----------------------------------|---------------------|----------------------|
| EUT : | 7 inch tablet | Model Name : | EGQ373 |
| Temperature : | 25°C | Relative Humidity : | 60% |
| Pressure : | 1015 hPa | Test Voltage : | DC 3.7V From Battery |
| Test Mode : | TX n Mode(40M) /CH03, CH06, CH09 | | |

| Frequency | Power Density (dBm) | Limit (dBm) | Result |
|-----------|---------------------|-------------|--------|
| 2422 MHz | -15.33 | 8 | PASS |
| 2437 MHz | -15.02 | 8 | PASS |
| 2452 MHz | -14.82 | 8 | PASS |







5. BANDWIDTH TEST

5.1 APPLIED PROCEDURES / LIMIT

| FCC Part15 (15.247) , Subpart C | | | | |
|---------------------------------|-----------|---|-----------------------|--------|
| Section | Test Item | Limit | Frequency Range (MHz) | Result |
| 15.247(a)(2) | Bandwidth | $\geq 500\text{KHz}$ (6dB bandwidth) | 2400-2483.5 | PASS |

5.1.1 TEST PROCEDURE

1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) $\geq 3 \times \text{RBW}$.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

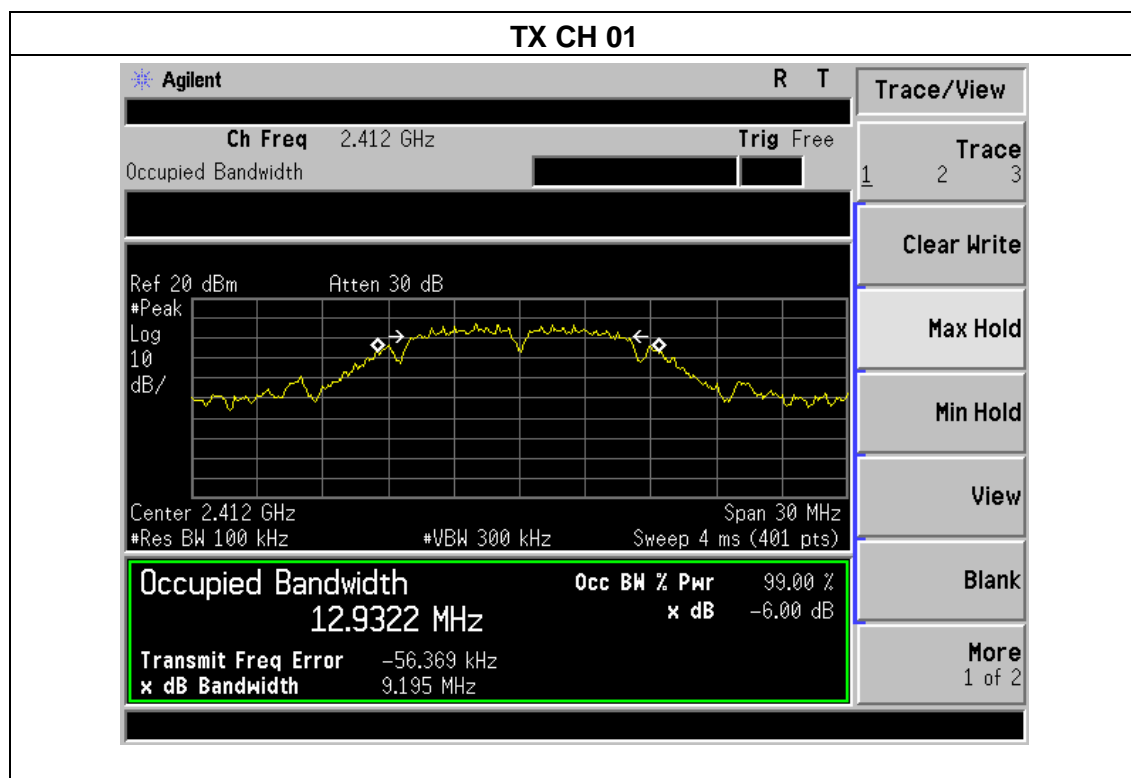
The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.



5.1.5 TEST RESULTS

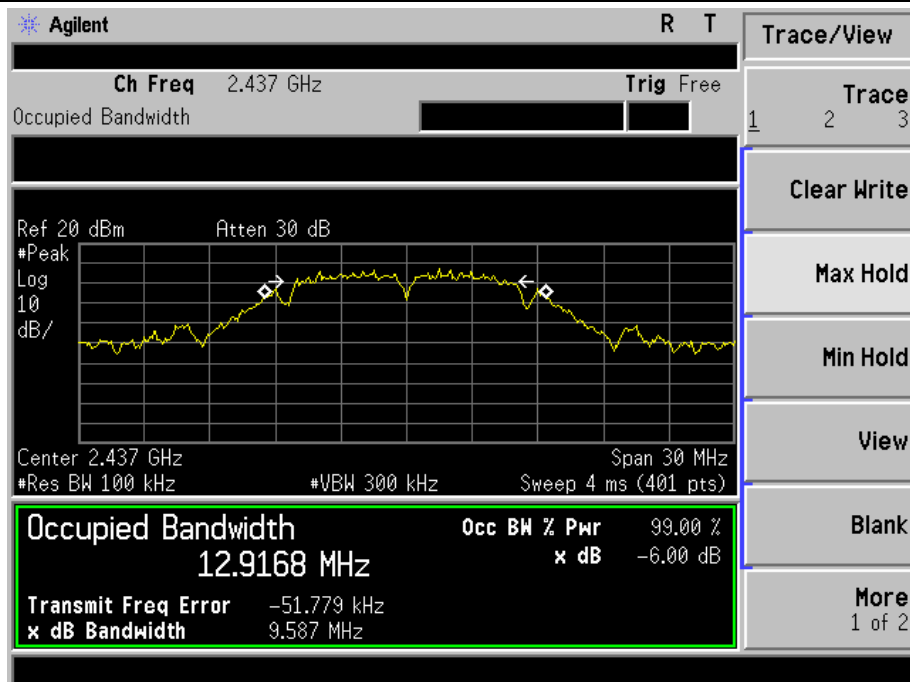
| | | | |
|---------------|-----------------------------|---------------------|----------------------|
| EUT : | 7 inch tablet | Model Name : | EGQ373 |
| Temperature : | 25°C | Relative Humidity : | 60% |
| Pressure : | 1012 hPa | Test Voltage : | DC 3.7V From Battery |
| Test Mode : | TX b Mode /CH01, CH06, CH11 | | |

| Channel | Frequency (MHz) | 6dB bandwidth (MHz) | Limit (kHz) | Result |
|---------|-----------------|---------------------|-------------|--------|
| Low | 2412 | 9.195 | 500 | Pass |
| Middle | 2437 | 9.587 | 500 | Pass |
| High | 2462 | 10.063 | 500 | Pass |

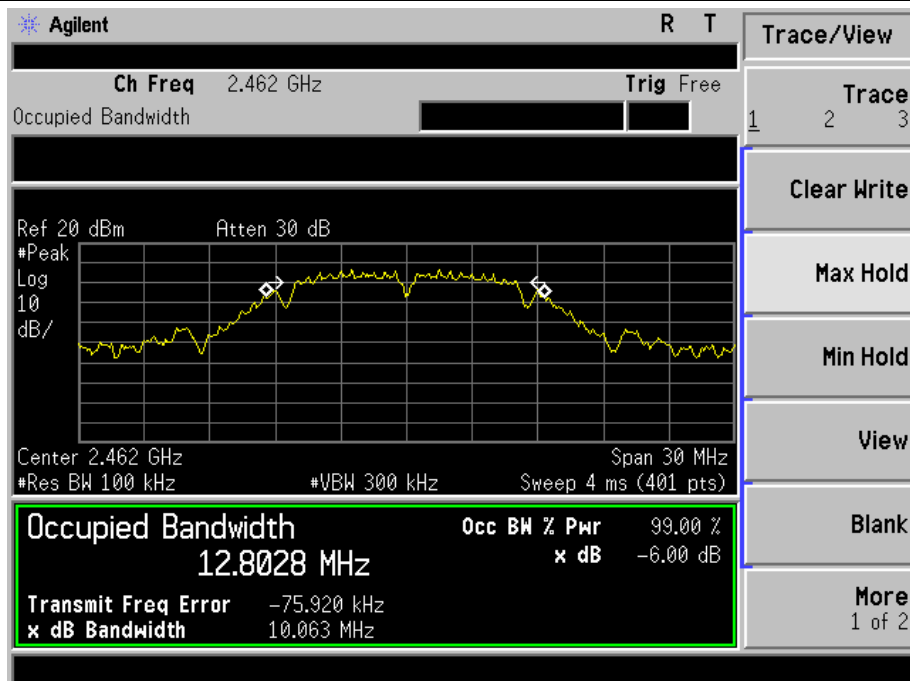




TX CH 06



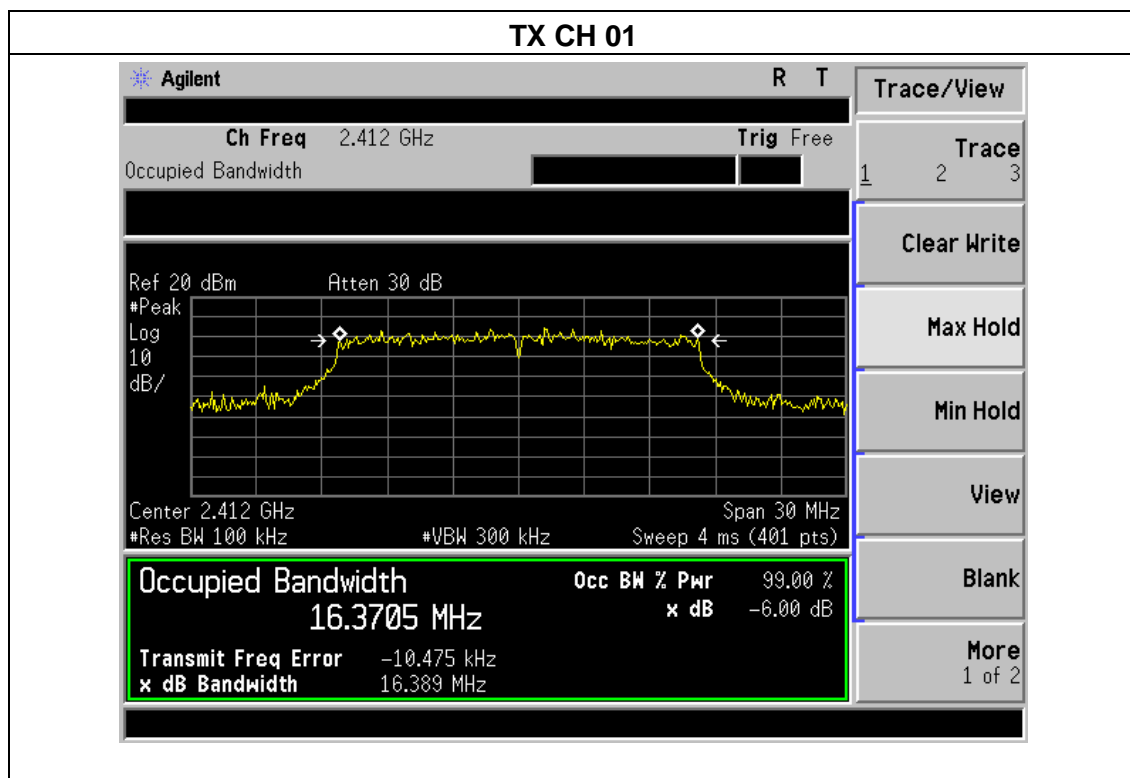
TX CH 11





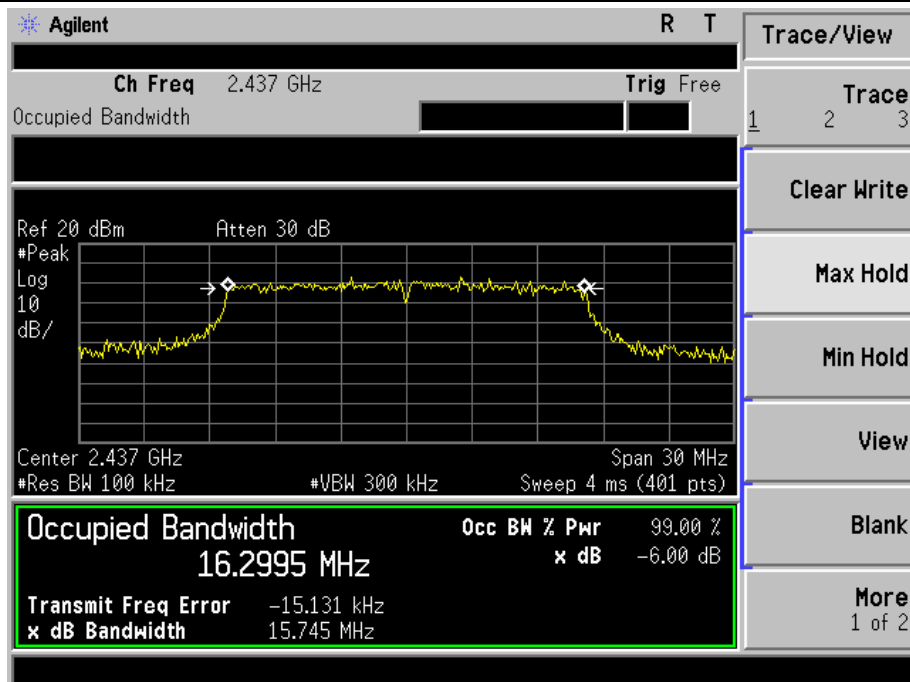
| | | | |
|---------------|-----------------------------|---------------------|----------------------|
| EUT : | 7 inch tablet | Model Name : | EGQ373 |
| Temperature : | 25°C | Relative Humidity : | 60% |
| Pressure : | 1012 hPa | Test Voltage : | DC 3.7V From Battery |
| Test Mode : | TX g Mode /CH01, CH06, CH11 | | |

| Channel | Frequency (MHz) | 6dB bandwidth (MHz) | Limit (kHz) | Result |
|---------|-----------------|---------------------|-------------|--------|
| Low | 2412 | 16.389 | 500 | Pass |
| Middle | 2437 | 15.745 | 500 | Pass |
| High | 2462 | 15.923 | 500 | Pass |

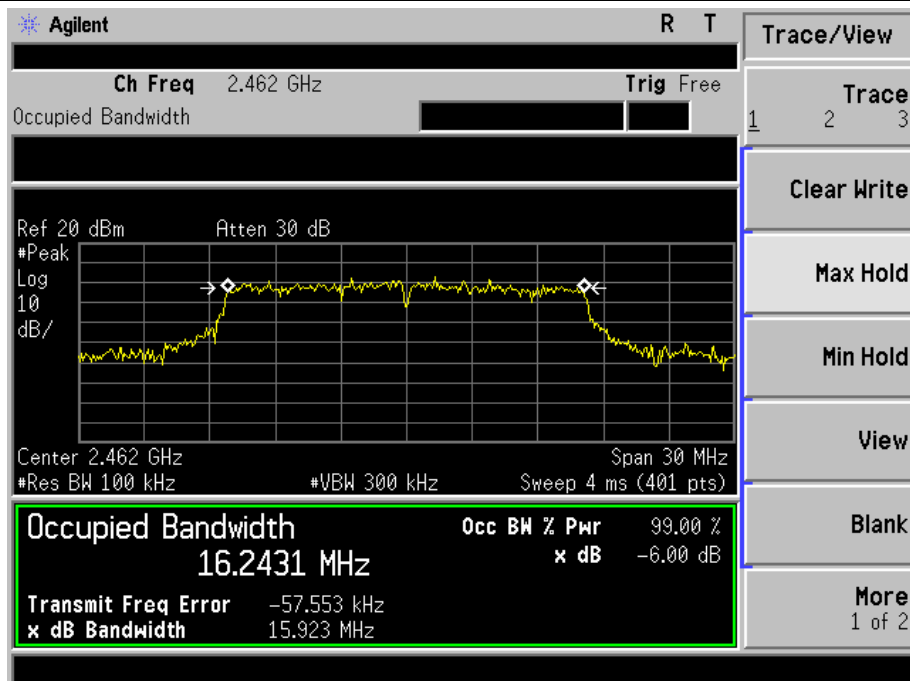




TX CH 06



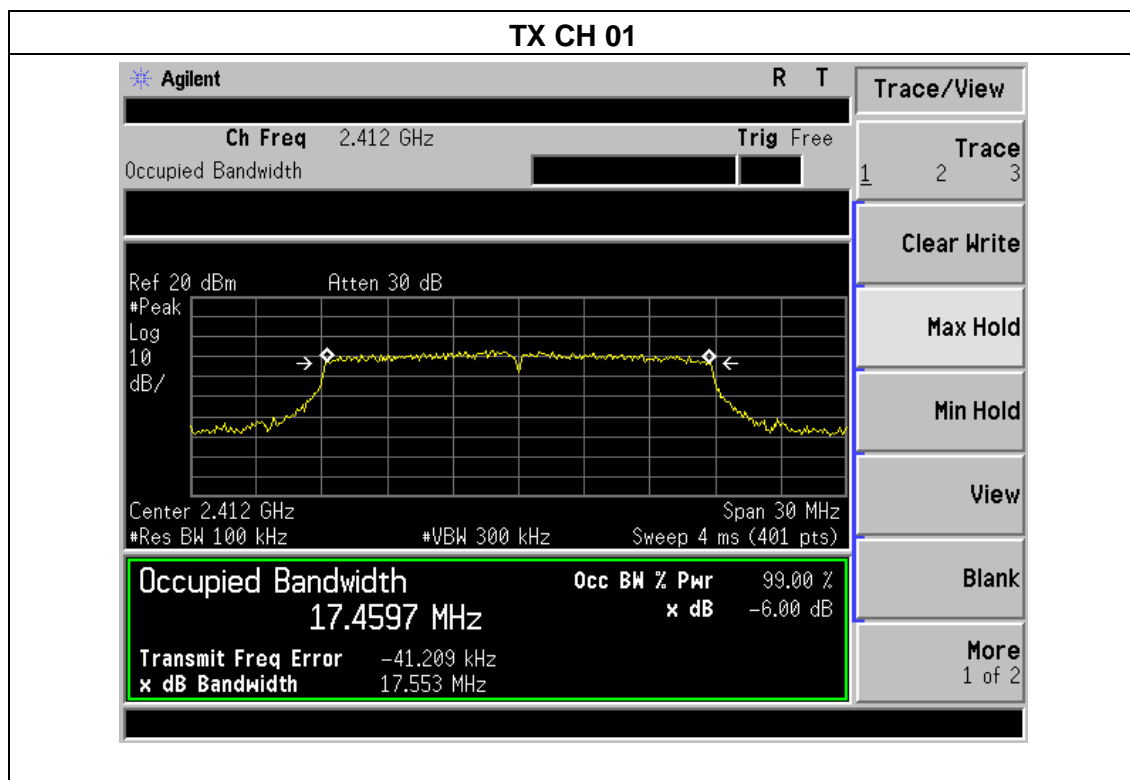
TX CH 11

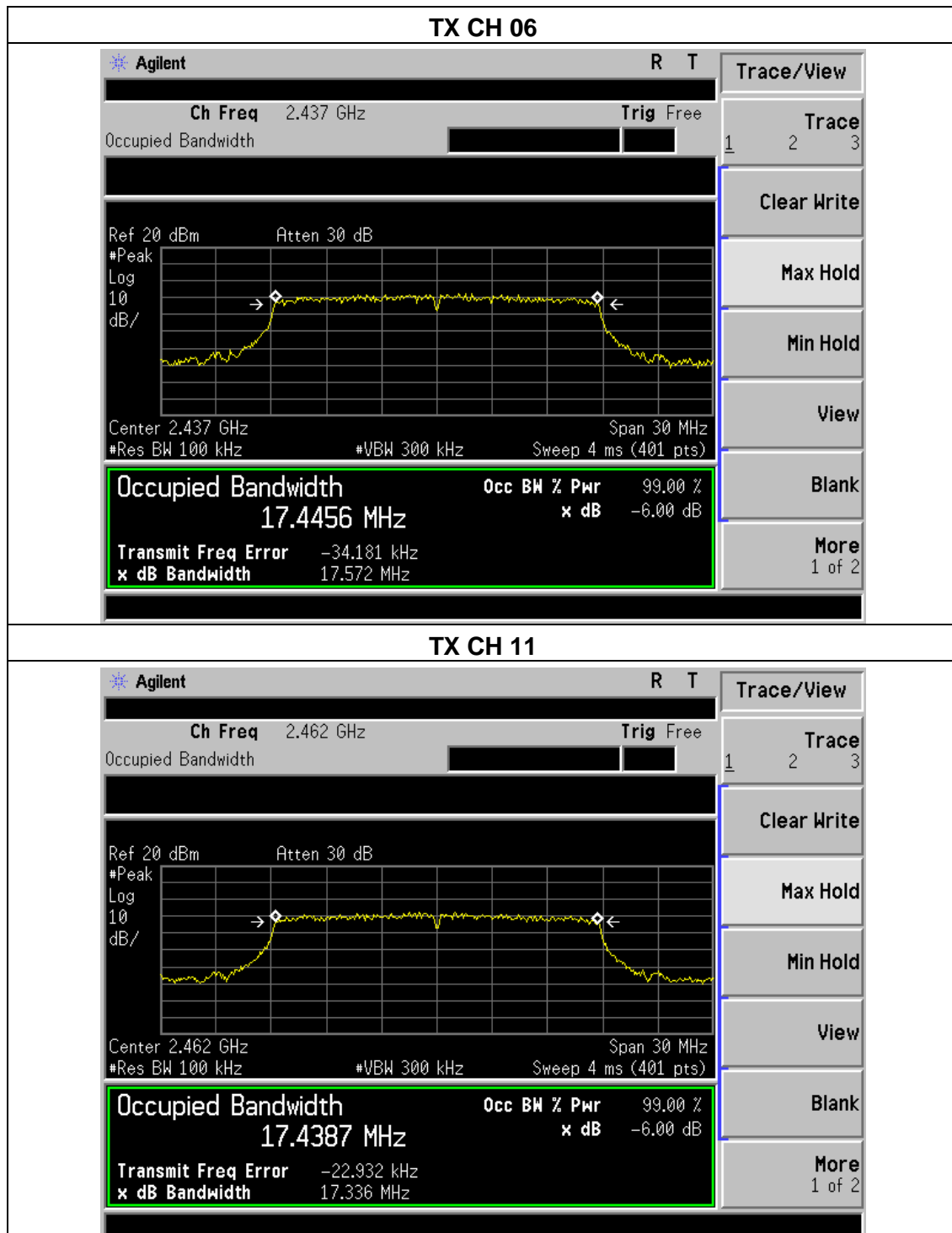




| | | | |
|---------------|----------------------------------|---------------------|----------------------|
| EUT : | 7 inch tablet | Model Name : | EGQ373 |
| Temperature : | 25°C | Relative Humidity : | 60% |
| Pressure : | 1012 hPa | Test Voltage : | DC 3.7V From Battery |
| Test Mode : | TX n Mode(20M) /CH01, CH06, CH11 | | |

| Channel | Frequency (MHz) | 6dB bandwidth (MHz) | Limit (kHz) | Result |
|---------|-----------------|---------------------|-------------|--------|
| Low | 2412 | 17.553 | 500 | Pass |
| Middle | 2437 | 17.572 | 500 | Pass |
| High | 2462 | 17.336 | 500 | Pass |

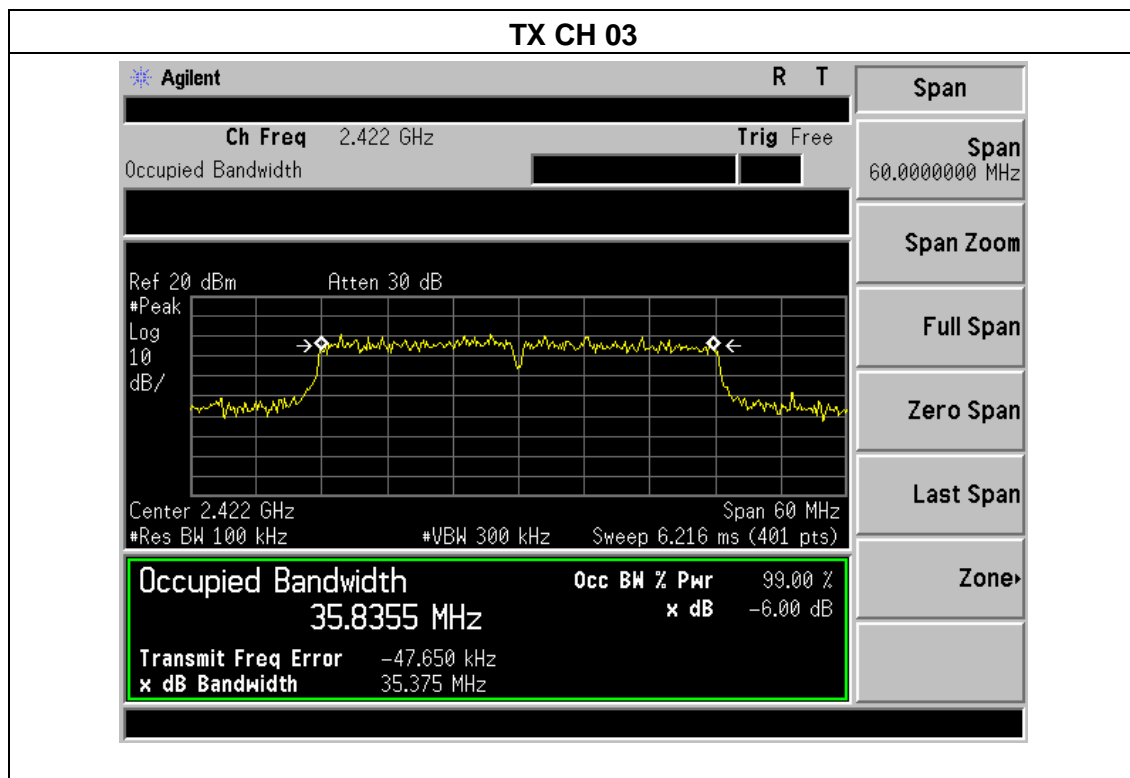


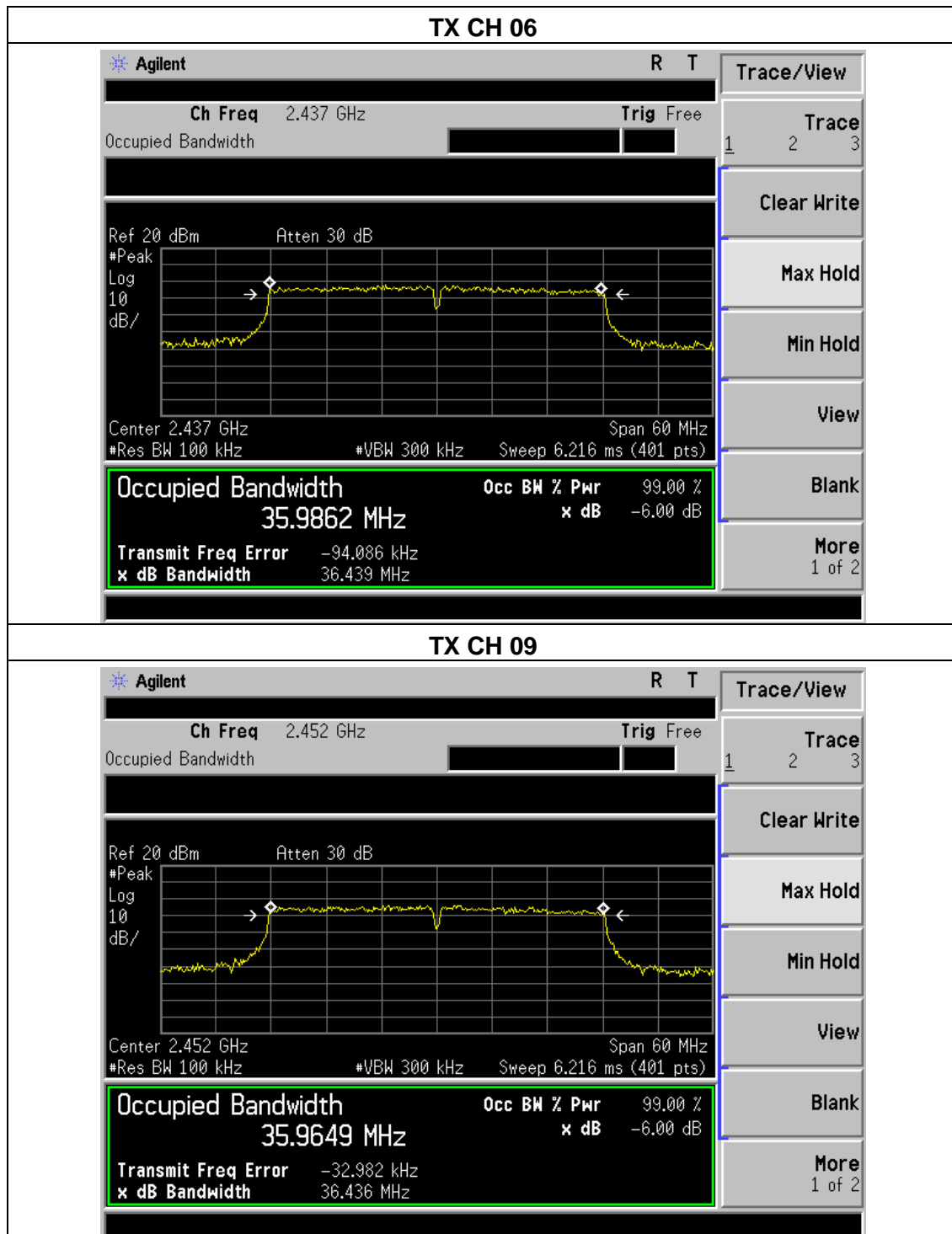




| | | | |
|---------------|----------------------------------|---------------------|----------------------|
| EUT : | 7 inch tablet | Model Name : | EGQ373 |
| Temperature : | 25°C | Relative Humidity : | 60% |
| Pressure : | 1012 hPa | Test Voltage : | DC 3.7V From Battery |
| Test Mode : | TX n Mode(40M) /CH03, CH06, CH09 | | |

| Channel | Frequency (MHz) | 6dB bandwidth (MHz) | Limit (kHz) | Result |
|---------|-----------------|---------------------|-------------|--------|
| Low | 2422 | 35.675 | 500 | Pass |
| Middle | 2437 | 36.439 | 500 | Pass |
| High | 2452 | 36.436 | 500 | Pass |







6. PEAK OUTPUT POWER TEST

6.1 APPLIED PROCEDURES / LIMIT

| FCC Part15 (15.247) , Subpart C | | | | |
|---------------------------------|-------------------|-----------------|-----------------------|--------|
| Section | Test Item | Limit | Frequency Range (MHz) | Result |
| 15.247(b)(3) | Peak Output Power | 1 watt or 30dBm | 2400-2483.5 | PASS |

6.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the Power meter

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.



6.1.5 TEST RESULTS

| | | | |
|---------------|--------------------|---------------------|----------------------|
| EUT : | 7 inch tablet | Model Name : | EGQ373 |
| Temperature : | 25°C | Relative Humidity : | 60% |
| Pressure : | 1012 hPa | Test Voltage : | DC 3.7V From Battery |
| Test Mode : | TX b/g/n(20M, 40M) | | |

| TX 802.11b Mode | | | |
|----------------------|-----------|------------------------------------|-------|
| Test Channel | Frequency | Maximum Conducted Output Power(PK) | LIMIT |
| | (MHz) | (dBm) | dBm |
| CH01 | 2412 | 7.76 | 30 |
| CH06 | 2437 | 7.68 | 30 |
| CH11 | 2462 | 7.54 | 30 |
| TX 802.11g Mode | | | |
| CH01 | 2412 | 7.59 | 30 |
| CH06 | 2437 | 7.88 | 30 |
| CH11 | 2462 | 7.75 | 30 |
| TX 802.11n-HT20 Mode | | | |
| CH01 | 2412 | 6.46 | 30 |
| CH06 | 2437 | 6.89 | 30 |
| CH11 | 2462 | 6.67 | 30 |
| TX 802.11n-HT40 Mode | | | |
| CH03 | 2422 | 5.82 | 30 |
| CH06 | 2437 | 5.75 | 30 |
| CH09 | 2452 | 5.63 | 30 |



7. 100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE

APPLICABLE STANDARD

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

TEST PROCEDURE

- 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.
- f) The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- g) The height of the equipment or of the substitution antenna shall be 0.8 m; above 1GHz, the height was 1.5m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- h) The height of the equipment or of the substitution antenna shall be 0.8 m; above 1GHz, the height was 1.5m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning



the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

- i) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- j) For the actual test configuration, please refer to the related Item –EUT Test Photos.

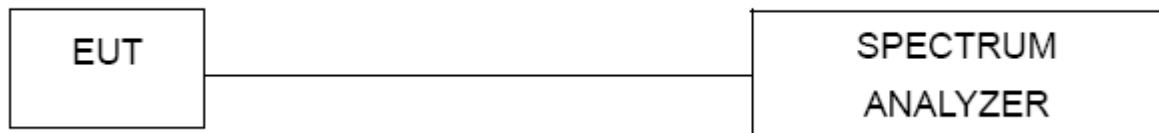
Note:

Both horizontal and vertical antenna polarities were tested
and performed pretest to three orthogonal axis. The worst case emissions were reported

7.1 DEVIATION FROM STANDARD

No deviation.

7.2 TEST SETUP

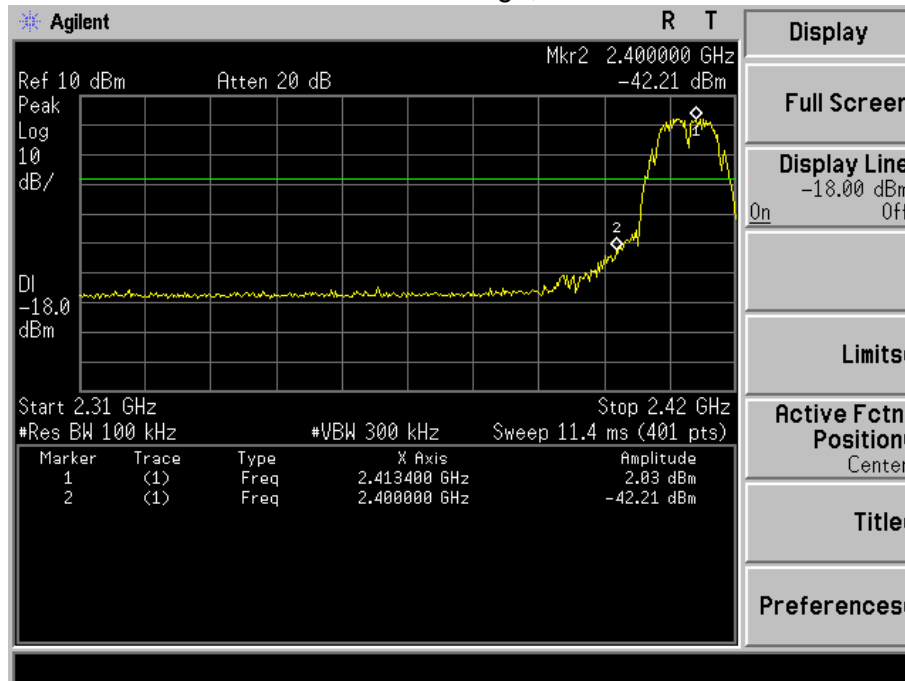


7.3 EUT OPERATION CONDITIONS

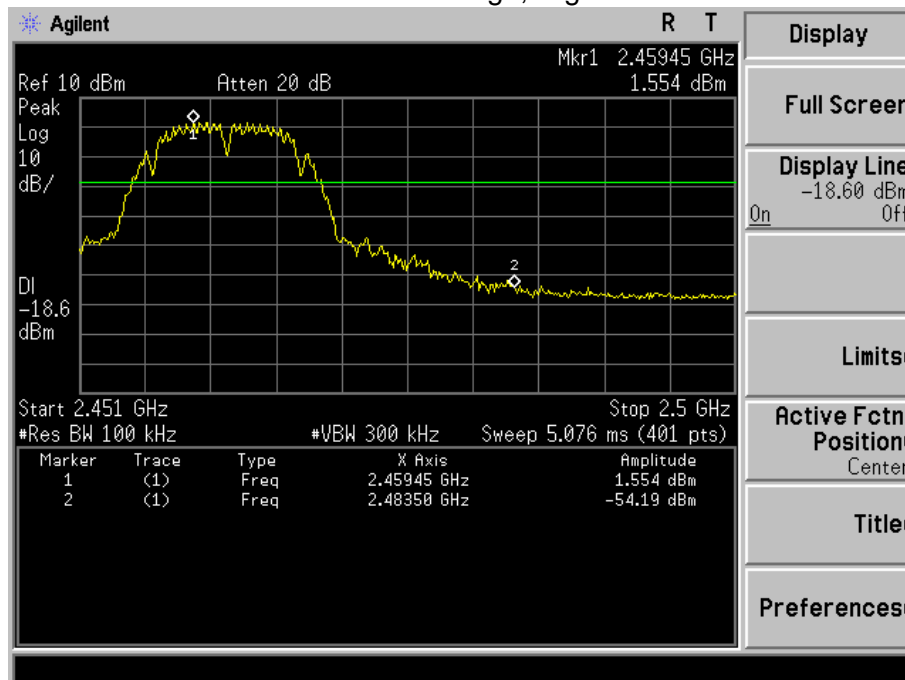
The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

7.4 TEST RESULTS

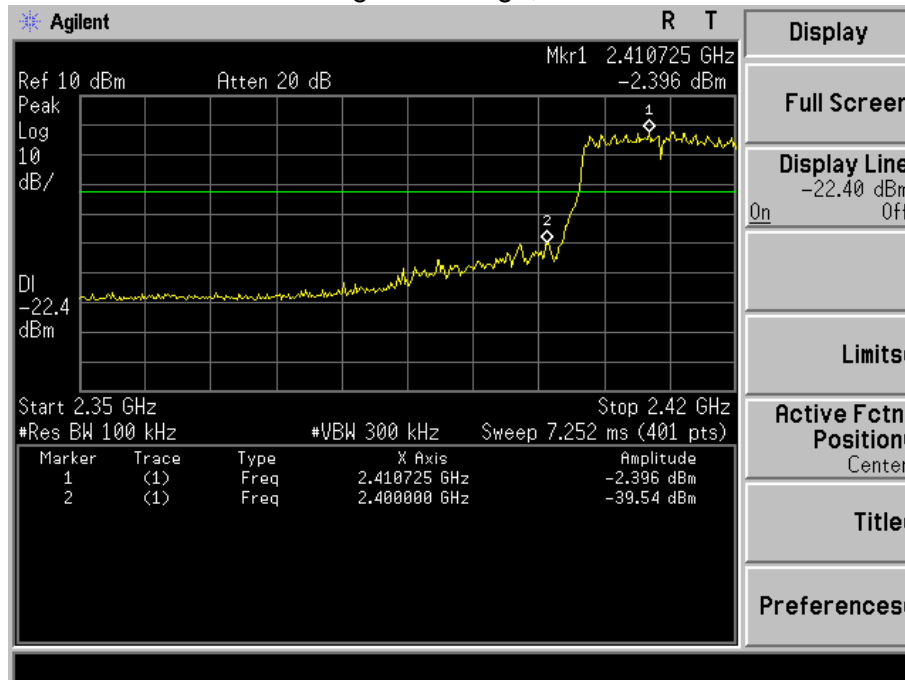
802.11b: Band Edge, Left Side



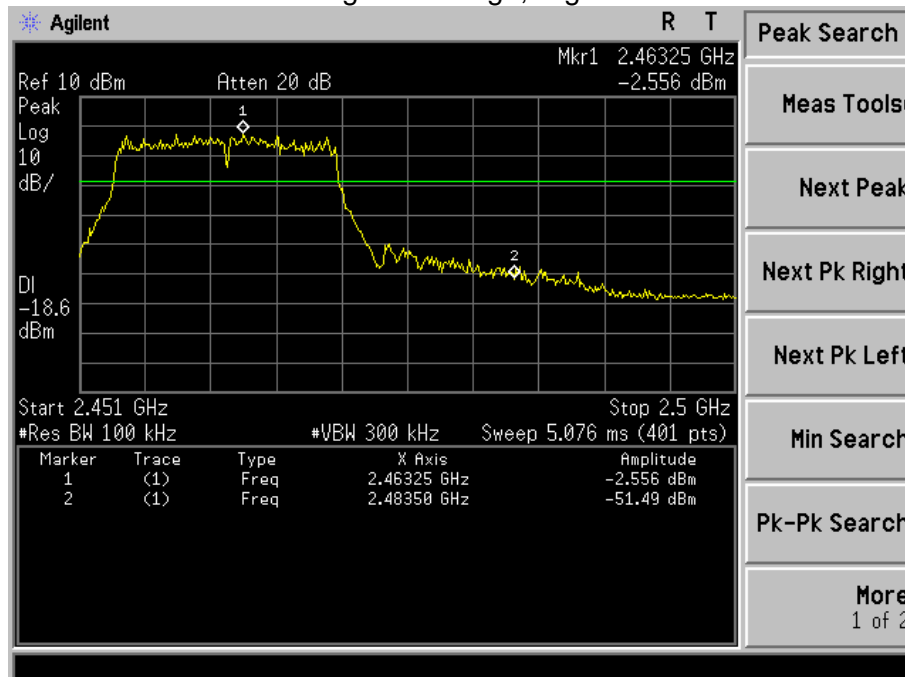
802.11b: Band Edge, Right Side



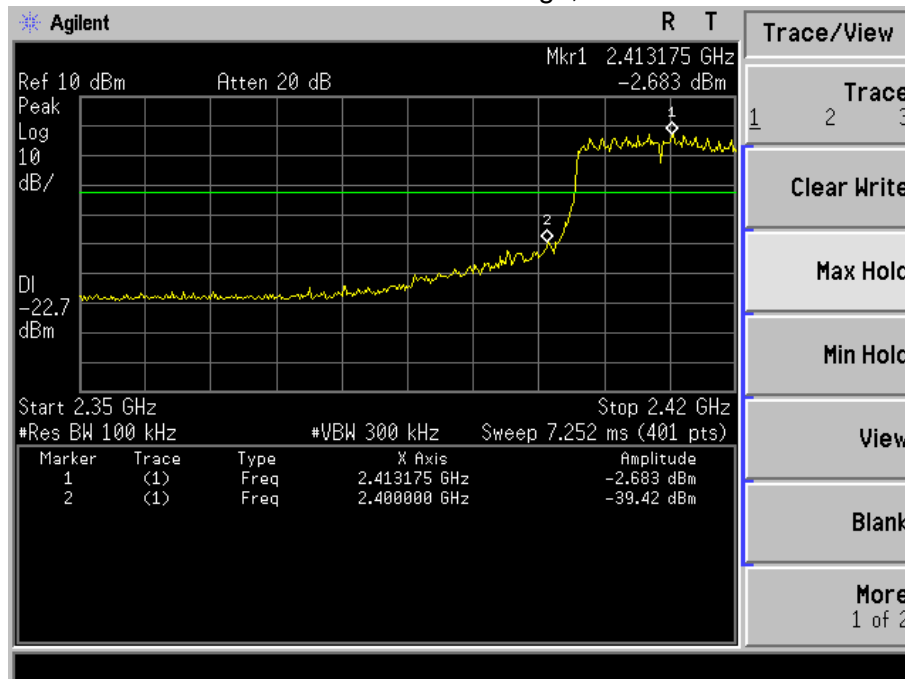
802.11g: Band Edge, Left Side



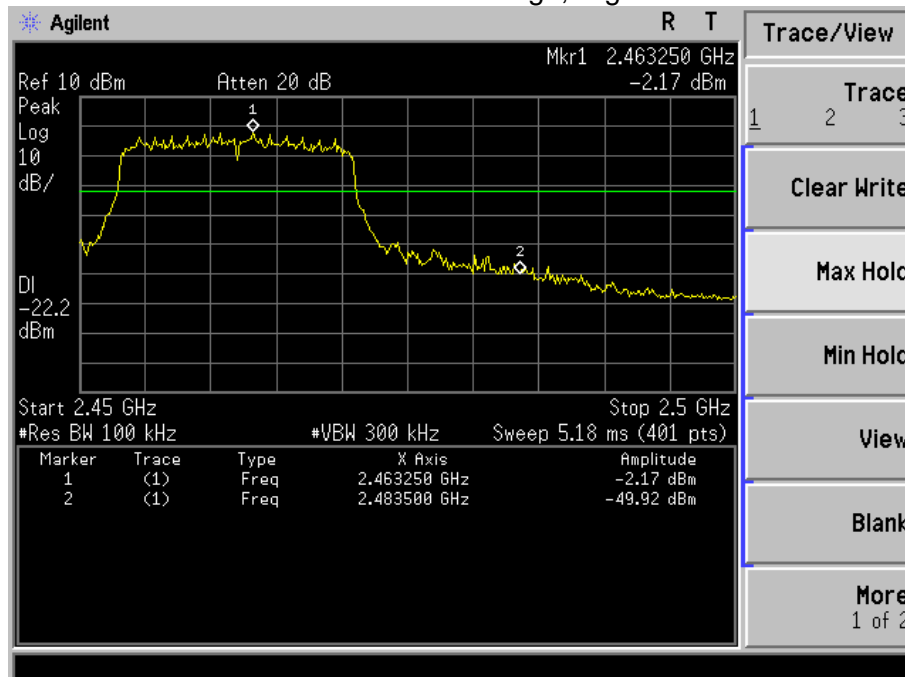
802.11g: Band Edge, Right Side



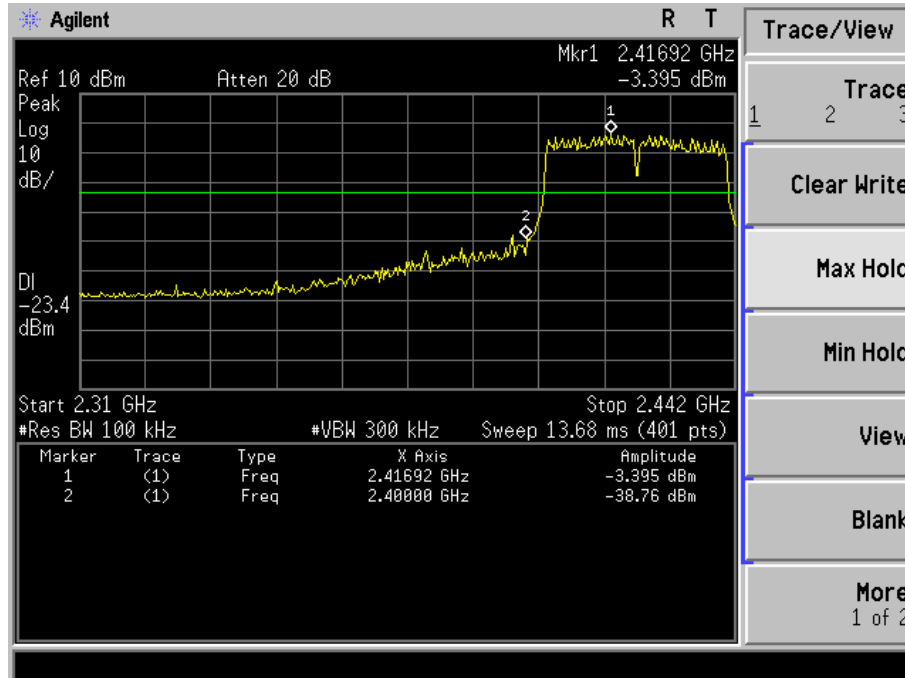
802.11n-HT20: Band Edge, Left Side



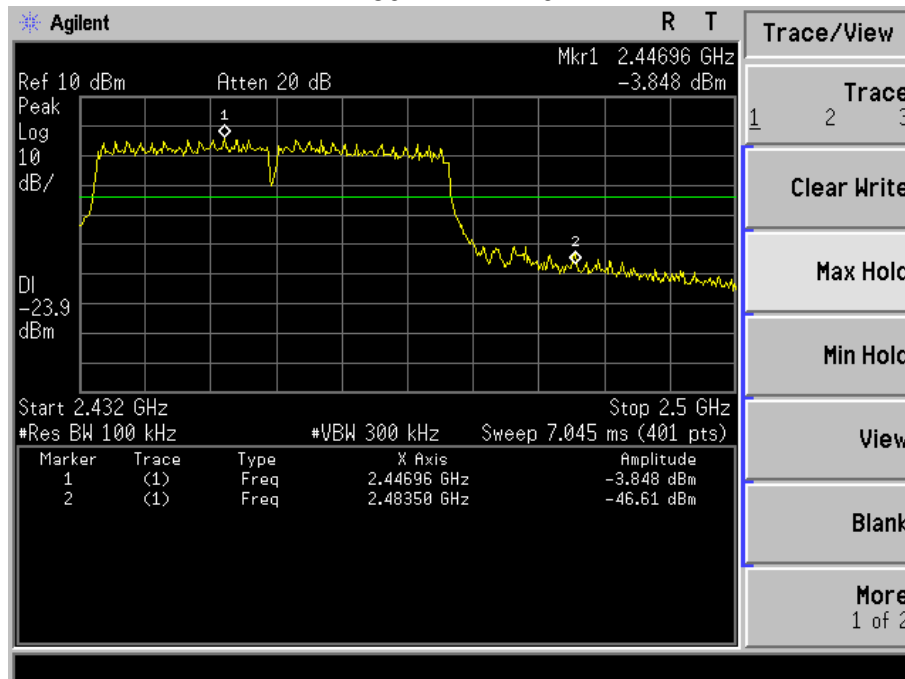
802.11n-HT20: Band Edge, Right Side



802.11n-HT40



802.11n-HT40





8. DUTY CYCLE OF TEST SIGNAL

8.1 STANDARD REQUIREMENT

Pre-analysis Check: While conducting average power measurement, duty cycle of each mode shall be checked to ensure its duty cycle in order to compensate for the loss due to insufficient ratio of duty cycle.

All duty cycle is pre-scanned, and result as obtained below shows only the most representative ones where duty cycle is conducted as the given transmission with given virtual operation that expresses the percentage.

8.2 FORMULA:

Duty Cycle = $T_{on} / (T_{on} + T_{off})$

Measurement Procedure:

1. Set span = Zero
2. RBW = 8MHz
3. VBW = 8MHz,
4. Detector = Peak

Duty Cycle:

| | Duty Cycle | Duty Fator (dB) |
|---------------|------------|--------------------|
| 802.11b | 1 | 0 |
| 802.11g | 1 | 0 |
| 802.11n(HT20) | 1 | 0 |
| 802.11n(HT40) | 1 | 0 |



9. ANTENNA REQUIREMENT

9.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 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.

9.2 EUT ANTENNA

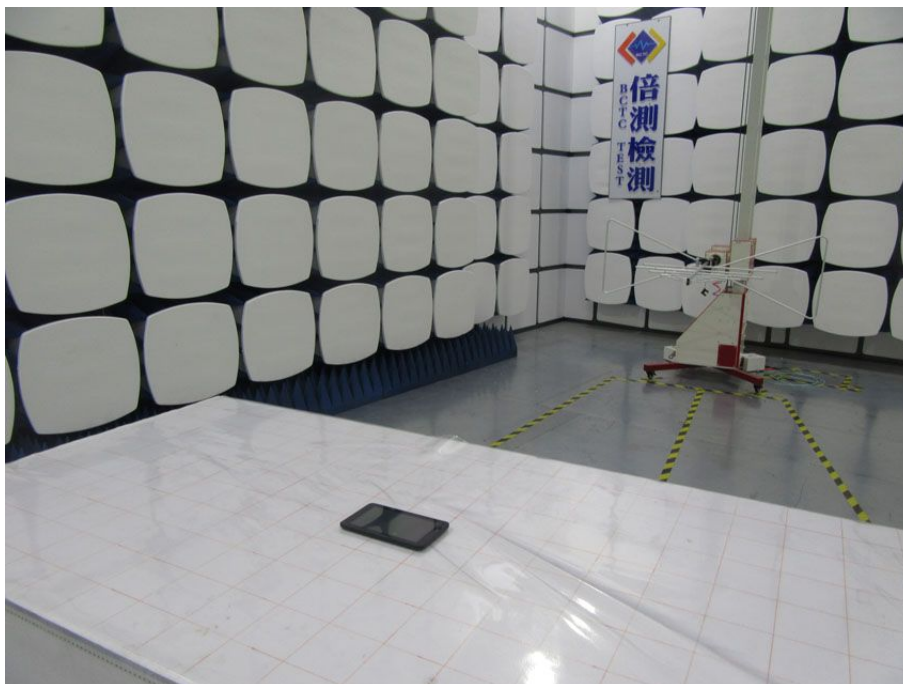
The EUT antenna is Integrated FPCB Antenna. It comply with the standard requirement.

10. EUT TEST PHOTO

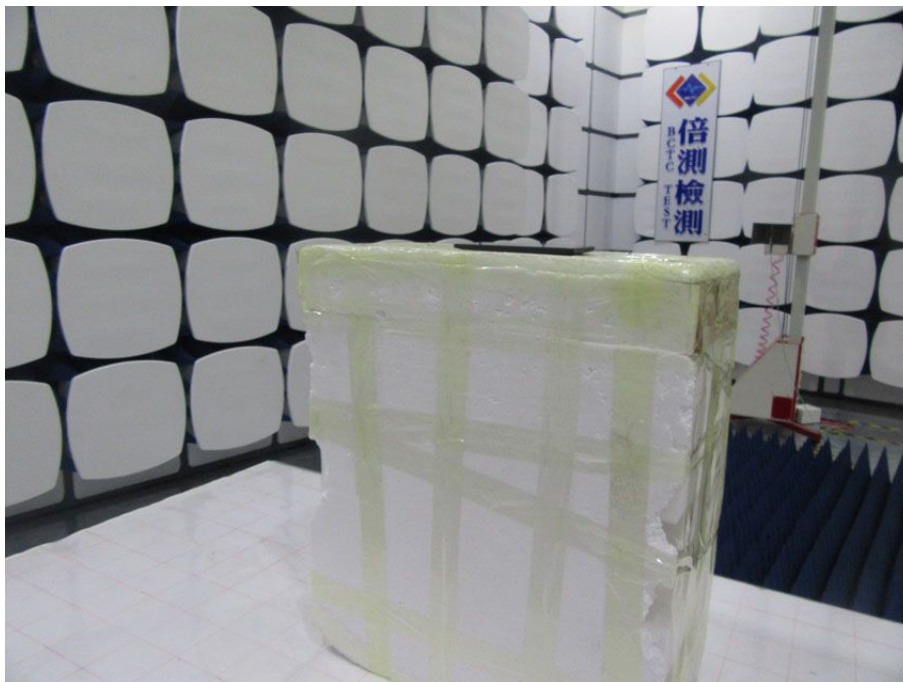
Conducted Measurement Photos



Radiated Measurement Photos



Radiated Measurement Photos



11. EUT PHOTO



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