

FCC&IC Radio Test Report

FCC ID: O57TB3710F**IC: 10407A-TB3710F**This report concerns (check one): Original Grant Class I Change Class II Change

Project No. : 1509C320H
Equipment : Portable Tablet Computer
Model Name : Lenovo TB3-710F
Applicant : LENOVO (SHANGHAI) ELECTRONICS
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Date of Receipt : Sep. 29, 2015
Jan. 15, 2016
Date of Test : Sep. 29, 2015 ~ Oct. 09, 2015
Jan. 15, 2016 ~ Jan. 22, 2016
Issued Date : Jan. 25, 2016
Tested by : BTL Inc.

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Limitation

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

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REPORT ISSUED HISTORY

| Issued No. | Description | Issued Date |
|----------------------|---|---------------|
| BTL-FICP-1-1509C320 | Original Report. | Oct. 12, 2015 |
| BTL-FICP-1-1509C320A | Compared with the previous report (BTL-FICP-1-1509C320), the main supply added the 16GB Memory-EMMC (model: THGBMFG7C2LBAL, supplier: Toshiba) which does not affect the test results, the rest are kept the same. | Nov. 04, 2015 |
| BTL-FICP-1-1509C320H | Compared with the previous report (BTL-FICP-1-1509C320A), the differ in below: 1. Added the PCB board Version 2.0 for main supply and secondary supply. 2. Added a USB cable. Only the conducted emission and Radiated emission below 1G has re-evaluation and recorded, the rest are kept the same. | Jan. 25, 2016 |

1. CERTIFICATION

Equipment : Portable Tablet Computer
Brand Name : Lenovo
Model Name : Lenovo TB3-710F
Applicant : LENOVO (SHANGHAI) ELECTRONICS TECHNOLOGY CO LTD
Manufacturer : Lenovo PC HK Limited
Address : 23/F, Lincoln House, Taikoo Place 979 King's Road, Quarry Bay, Hong Kong
Date of Test : Sep. 29, 2015 ~ Oct. 09, 2015
 Jan. 15, 2016 ~ Jan. 22, 2016
Test Sample : Engineering Sample
Standard(s) : FCC Part15, Subpart C (15.247)/ ANSI C63.10-2013
 RSS-247 Issue 1, May 2015
 RSS-GEN Issue 4, Nov 2014

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

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FICP-1-1509C320H) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

Test results included in this report is only for the Bluetooth part.

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

| Applied Standard(s): 47 CFR Part 15, Subpart C; RSS-247 Issue 1, May 2015; RSS-GEN Issue 4, Nov 2014 | | | | |
|---|-----------------|-------------------------------------|----------|--------|
| Standard(s) Section | | Test Item | Judgment | Remark |
| FCC | IC | | | |
| 15.207 | RSS-GEN 8.8 | Conducted Emission | PASS | |
| 15.247(d) | RSS-247 5.5 | Antenna conducted Spurious Emission | PASS | |
| 15.247 (a)(1) | RSS-247 5.1 (2) | Hopping Channel Separation | PASS | |
| 15.247(a)(1) | RSS-247 5.1 (1) | Bandwidth | PASS | |
| 15.247 (b)(1) | RSS-247 5.4 (2) | Peak Output Power | PASS | |
| 15.247(d) 15.209 | RSS-247 5.5 | Radiated Spurious Emission | PASS | |
| 15.247 (a)(1)(iii) | RSS-247 5.1 (4) | Number of Hopping Frequency | PASS | |
| 15.247 (a)(1)(iii) | RSS-247 5.1 (4) | Dwell Time | PASS | |
| 15.205 | RSS-GEN 8.10 | Restricted Bands | PASS | |
| 15.203 | - | Antenna Requirement | PASS | |

Note:

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

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

BTL's test firm number for FCC: 319330

BTL's test firm number for IC: 4428B-1

2.2 MEASUREMENT UNCERTAINTY

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

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 %**.

A. Conducted Measurement :

| Test Site | Method | Measurement Frequency Range | U,(dB) |
|-----------|--------|-----------------------------|--------|
| DG-C02 | CISPR | 150 kHz ~ 30MHz | 2.32 |

B. Radiated Measurement :

| Test Site | Method | Measurement Frequency Range | Ant. H / V | U,(dB) |
|-----------------|--------|-----------------------------|---------------|--------|
| DG-CB03 (3m) | CISPR | 9KHz ~ 30MHz | V | 3.79 |
| | | 9KHz ~ 30MHz | H | 3.57 |
| | | 30MHz ~ 200MHz | V | 3.82 |
| | | 30MHz ~ 200MHz | H | 3.78 |
| | | 200MHz ~ 1,000MHz | V | 4.10 |
| | | 200MHz ~ 1,000MHz | H | 4.06 |

| Test Site | Method | Measurement Frequency Range | Ant. H / V | U,(dB) |
|-----------------|--------|-----------------------------|---------------|--------|
| DG-CB03 (3m) | CISPR | 1GHz ~ 18GHz | V | 3.12 |
| | | 1GHz ~ 18GHz | H | 3.68 |
| | | 18GHz ~ 40GHz | V | 4.15 |
| | | 18GHz ~ 40GHz | H | 4.14 |

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

| | | |
|---------------------|---|--------------------------------------|
| Equipment | Portable Tablet Computer | |
| Brand Name | Lenovo | |
| Model Name | Lenovo TB3-710F | |
| Model Difference | This model has three configurations: main supply, secondary supply and third supply. Please refer to note 3. | |
| Output Power (Max.) | Operation Frequency | 2402~2480 MHz |
| | Modulation Technology | GFSK(1Mbps) $\pi/4$ -DQPSK(2Mbps) |
| | Bit Rate of Transmitter | 8-DPSK(3Mbps) |
| | Output Power Max. | 5.89 dBm(1Mbps) 5.16 dBm(3Mbps) |
| Power Source | #1 DC voltage supplied from AC/DC adapter. #2 Supplied from USB port. #3 Supplied from rechargeable Li-Polymer battery. | |
| Power Rating | Please refer to note 2 | |

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. The EUT contains following accessory devices

| Product | Brand | Model or S/N | Description |
|-------------|-------------|----------------------------------|--|
| Adapter(US) | Huntkey | C-P56/ HQ60310548000 | I/P: 100-240V~ 50/60Hz, 0.15A O/P: 5.0V, 1.0A |
| | Acbel | C-P56/ HQ60311132000 | I/P: 100-240V~ 50/60Hz, 0.13A O/P: 5.0V, 1.0A |
| Battery | lenovo | L13D1P31 | 3.8VDC, 3450mAh |
| | lenovo | CA3087A0HV | 3.8VDC, 3450mAh |
| USB Cable | LIQI | L16B-05100070L/ HQ60320546000 | 70cm shielded cable w/o core |
| | RIDONGSHENG | R16B-05100070/ HQ60320676000 | 70cm shielded cable w/o core |

3.

| Main Supply | | | | |
|---------------|---------------|--|--|----------------------------|
| Part Name | S/N | Model Name | Description | Supplier |
| Baseband chip | HQ11100368000 | MT8127A/D | WIFI | MediaTek |
| PMIC | HQ11100356000 | MT6323LGA | - | MediaTek |
| WIFI chip | HQ11110038000 | MT6627N | WIFI-BT-FM-GPS four-in-one chip | MediaTek |
| Memory-EMMC | HQ11120292000 | KLMAG2WEPD-B031 | EMMC(TLC)_16GB | Samsung |
| Memory-EMMC | - | THGBMFG7C2LBAIL | EMMC(MLC)_16GB | Toshiba (Remark) |
| Memory-EMMC | HQ11120291000 | KLM8G1WEPD-B031 | EMMC(MLC)_8GB | Samsung |
| Memory-DDR3 | HQ11120264000 | H9CKNNN8GTMLPLR-NUH | LPDDR3_8Gb | Hynix |
| PCB | HQ12101701000 | A1900_MB_PCB_V1.0 A1900_MB_PCB_V2.0 | - | HUASHEN |
| LCD | HQ20100818000 | TXDT700EPLA-68 | 7Inch_1024*600 | TXD |
| TP | HQ21711193000 | TTCT070121 | A1900A | Top-Touch |
| Camera_Front | HQ20201113000 | BLX0A20H-A1900-F | - | BRODSANDS |
| Camera_Back | HQ20201108000 | BLX2508H-A1900-B | - | BRODSANDS |
| Speaker | HQ20310105000 | XHS151118SW43P38-02 | - | Haosheng |
| Shell | HQ20701027000 | HQZA1900AJA_01 | - | JANUS劲胜 |
| Shell | HQ20741605000 | HQZA1900AJA_02 | - | JANUS劲胜 |
| Shell | HQ21400541000 | HQZA1900AJA_03 | - | JANUS劲胜 |
| MIC_Weld | HQ20500069000 | OB-F15LX42-1592-C10C33E P | - | HUAFENG |
| Adapter(US) | HQ60310548000 | C-P56 | I/P: 100-240V~ 50/60Hz, 0.15A O/P: 5.0V, 1.0A | Huntkey |
| USB Cable | HQ60320546000 | L16B-05100070L | 70cm | LIQI |
| USB Cable | HQ60320676000 | R16B-05100070 | 70cm | RIDONG SHENG |
| Battery | HQ60331045000 | S5000(ATL) | 3450mAh | SUNWODA |

Remark: This component is secondary supply, the only difference between second supply and main supply is the model and supplier of 16G Memory-EMMC, the rest is same.

| Secondary Supply | | | | |
|------------------|---------------|--|--|----------------------------|
| Part Name | S/N | Model Name | Description | Supplier |
| Memory-EMMC | HQ11120419000 | THGBMFG6C1LBAIL | EMMC(MLC)_8GB | Toshiba |
| Memory-EMMC | - | THGBMAG6A2JBAIR | EMMC(MLC)_8GB | Toshiba (Remark) |
| Memory-DDR3 | HQ11120371000 | K4E8E324EB-AGCF | LPDDR3_8Gb | Samsung |
| Memory-DDR3 | HQ11120262000 | K4E8E304EE-AGCE | LPDDR3_8Gb | Samsung |
| PCB | HQ12101702000 | A1900_MB_PCB_V1.0 A1900_MB_PCB_V2.0 | - | Elec & Elteck |
| LCD | HQ20100822000 | KD070D54-39NH-B2 | 7Inch_1024*600 | K&D |
| TP | HQ21711200000 | YCB0880700801A | A1900A | Each |
| Camera_Front | HQ20201114000 | GI5953A1D-1P0J0 | - | Qunhui |
| Camera_Back | HQ20201117000 | GV5954B1S-1P0J0 | - | Qunhui |
| Speaker | HQ2031012500 | KFSC1115G3.5-08-0.7W-D | - | Xichun |
| MIC_Weld | HQ20500068000 | CM4015BC-423-WR138 | - | Jinzun |
| Adapter(US) | HQ60311132000 | C-P56 | I/P: 100-240V~ 50/60Hz, 0.13A O/P: 5.0V, 1.0A | Acbel |
| USB Cable | HQ60320546000 | L16B-05100070L | 70cm | LIQI |
| USB Cable | HQ60320676000 | R16B-05100070 | 70cm | RIDONG SHENG |
| Battery | HQ60331361000 | S5000(COSLIGHT) | 3450mAh | SCUD |

Remark: This component is third supply, the only difference between third supply and second supply is the model of 8G Memory-EMMC, the rest is same.

4. Channel List:

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

5 Table for Filed Antenna:

| Ant. | Brand | Model Name | Antenna Type | Connector | Gain (dBi) |
|------|-------|------------|--------------|-----------|------------|
| 1 | N/A | A1900 | Internal | N/A | 0.35 |

3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible 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 | TX Mode Note (1) |

The EUT system operated these modes were found to be the worst case during the pre-scanning test as following:

| For Conducted Emission | |
|------------------------|-------------|
| Final Test Mode | Description |
| Mode 1 | TX Mode |

| For Radiated Emission | |
|-----------------------|-------------------------|
| Final Test Mode | Description |
| Mode 1 | TX Mode Note (1) |

Note:

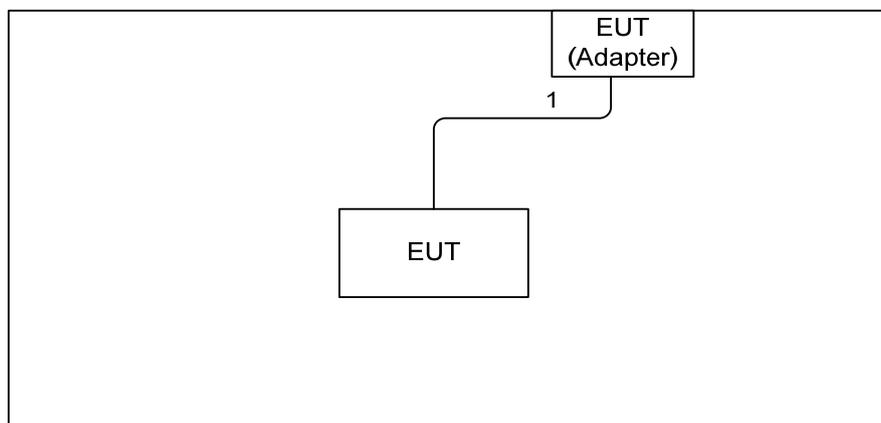
- (1) The measurements are performed at the high, middle, low available channels.
- (2) The measurements for Hopping Channel Separation, Bandwidth and Peak Output Power were tested during 1Mbps, 2Mbps and 3Mbps, the worst case are 1Mbps and 3Mbps, only worst case was documented.
- (3) Both adapter and battery are evaluated, operated the adapter is the worst and recorded as below test data.
- (4) The EUT is considered a portable unit, it was pre-tested on the positioned of each 3 axis. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.

3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

During testing, channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of FHSS

| Test Software Version | N/A | | |
|-----------------------|------|------|------|
| Frequency (MHz) | 2402 | 2441 | 2480 |
| Parameters(1Mbps) | 7.00 | 7.00 | 7.00 |
| Parameters(3Mbps) | 7.00 | 7.00 | 7.00 |

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

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

| Item | Equipment | Mfr/Brand | Model/Type No. | FCC ID | Series No. |
|------|-----------|-----------|----------------|--------|------------|
| - | - | - | - | - | - |

| Item | Shielded Type | Ferrite Core | Length | Note |
|------|---------------|--------------|--------|-----------|
| 1 | YES | NO | 0.7m | USB Cable |

Note:

- (1) For detachable type I/O cable should be specified the length in m in 『Length』 column.

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION LIMITS (Frequency Range 150KHz-30MHz)

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

Note:

- (1) The limit of " * " decreases with the logarithm of the frequency
- (2) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)
 Margin Level = Measurement Value - Limit Value

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 |

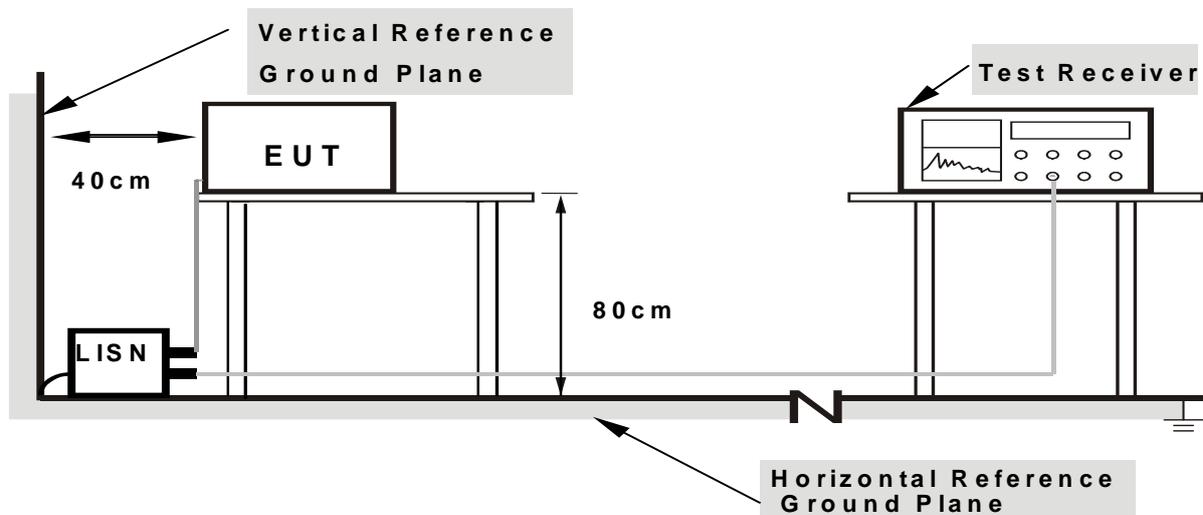
4.1.2 TEST PROCEDURE

- a. 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.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. 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.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 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

4.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical function (as a customer would normally use it), EUT was programmed to be in continuously transmitting/receiving data or hopping on mode.

4.1.6 EUT TEST CONDITIONS

Temperature: 25°C
 Relative Humidity: 55%
 Test Voltage: AC 120V/60Hz

4.1.7 TEST RESULTS

Please refer to the Attachment A.

Remark:

- (1) All readings are QP Mode value unless otherwise stated AVG in column of 'Note'. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform in this case, a "*" marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150KHz to 30MHz.

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS (Frequency Range 9KHz -1000MHz)

In case the emission fall within the restricted band specified on 15.205(a) & RSS-247 5.5, then the 15.209(a) & RSS-Gen limit in the table below has to be followed.

| Frequency (MHz) | Field Strength (microvolts/meter) | Measurement Distance (meters) |
|-----------------|-----------------------------------|-------------------------------|
| 0.009~0.490 | 2400/F(KHz) | 300 |
| 0.490~1.705 | 24000/F(KHz) | 30 |
| 1.705~30.0 | 30 | 30 |
| 30~88 | 100 | 3 |
| 88~216 | 150 | 3 |
| 216~960 | 200 | 3 |
| 960~1000 | 500 | 3 |

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

| Frequency (MHz) | dB(uV/m) (at 3 meters) | |
|-----------------|------------------------|---------|
| | 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).
- (4) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
 Margin Level = Measurement Value - Limit Value

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

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

4.2.2 TEST PROCEDURE

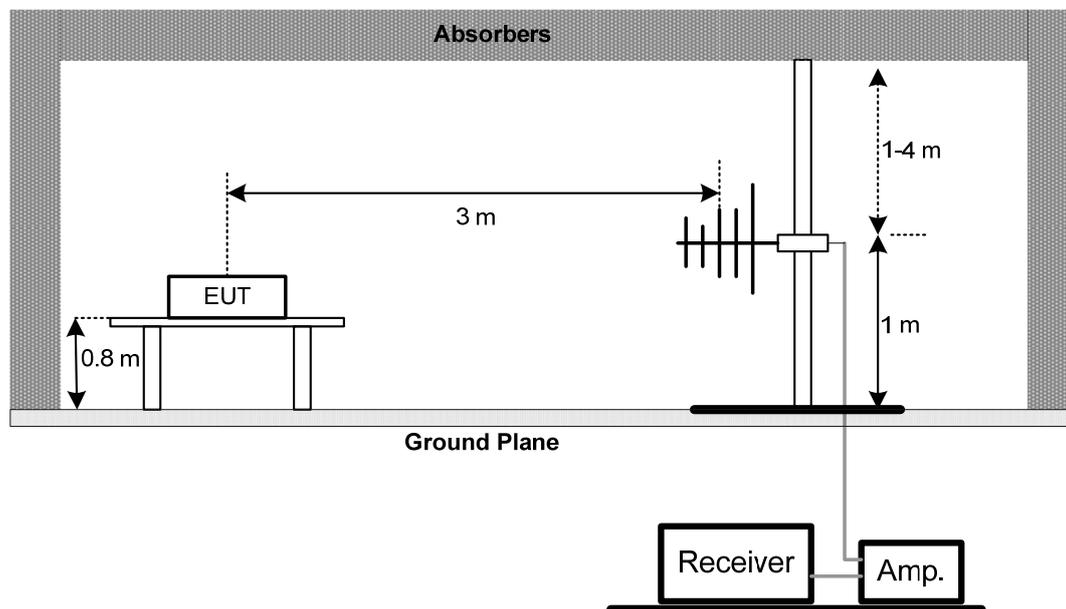
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8m or 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.
- d. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

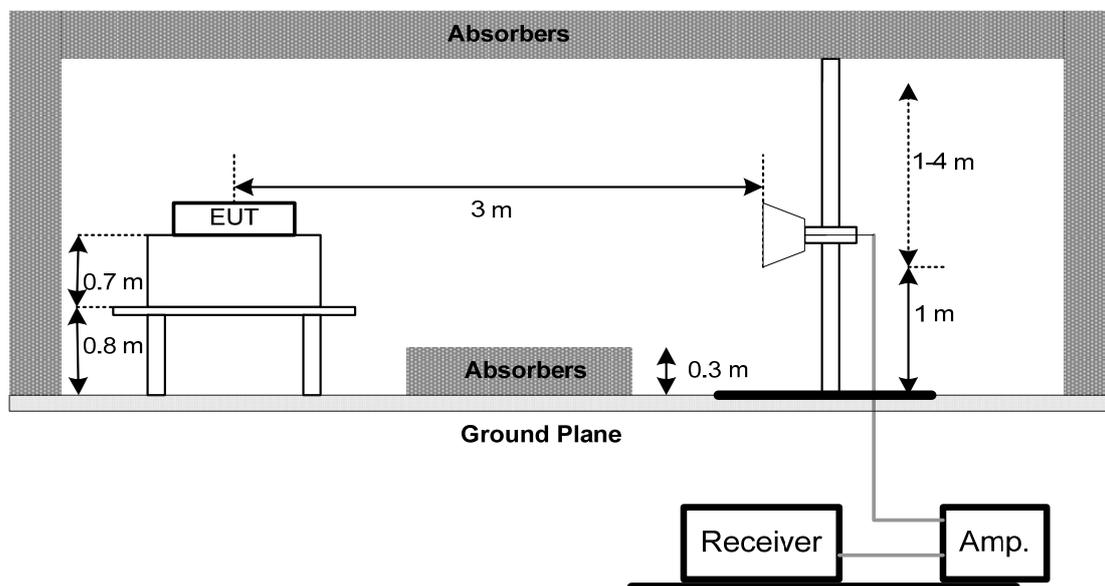
No deviation

4.2.4 TEST SETUP

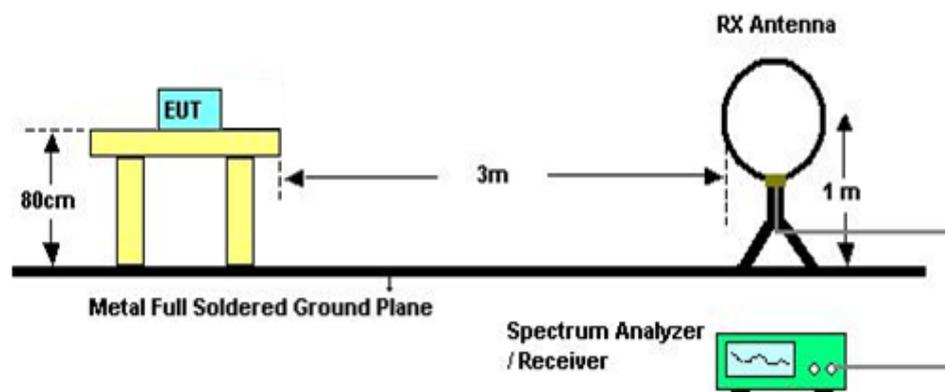
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(B) Radiated Emission Test Set-Up Frequency Above 1 GHz



(C) For Radiated Emissions Below 30MHz



4.2.5 EUT OPERATING CONDITIONS

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

4.2.6 EUT TEST CONDITIONS

Temperature: 25°C

Relative Humidity: 55%

Test Voltage: AC 120V/60Hz

4.2.7 TEST RESULTS (9KHZ TO 30MHZ)

Please refer to the Attachment B

Remark:

- (1) The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- (2) Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB).
- (3) Limit line = specific limits (dBuV) + distance extrapolation factor.

4.2.8 TEST RESULTS (30MHZ TO 1000 MHZ)

Please refer to the Attachment C.

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz.
- (3) If the peak scan value lower limit more than 20dB, then this signal data does not show in table.

4.2.9 TEST RESULTS (ABOVE 1000 MHZ)

Please refer to the Attachment D.

Remark:

- (1) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission
- (2) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (3) EUT Orthogonal Axis:
"X" - denotes Laid on Table; "Y" - denotes Vertical Stand; "Z" - denotes Side Stand
- (4) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna
- (5) No limit: This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

5. NUMBER OF HOPPING CHANNEL

5.1 APPLIED PROCEDURES

| FCC Part15 (15.247) , Subpart C/ RSS-GEN and RSS-247 | | | |
|--|---------------------------|-----------------------|--------|
| Section | Test Item | Frequency Range (MHz) | Result |
| 15.247(a)(1)(iii) RSS-247 5.1 (4) | Number of Hopping Channel | 2400-2483.5 | PASS |

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

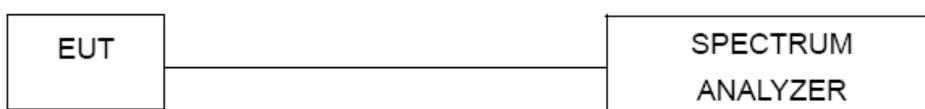
5.1.1 TEST PROCEDURE

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

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 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

5.1.5 EUT TEST CONDITIONS

Temperature: 25°C
 Relative Humidity: 55%
 Test Voltage: AC 120V/60Hz

5.1.6 TEST RESULTS

Please refer to the Attachment E

6. AVERAGE TIME OF OCCUPANCY

6.1 APPLIED PROCEDURES / LIMIT

| FCC Part15 (15.247) , Subpart C/ RSS-GEN and RSS-247 | | | | |
|--|---------------------------|--------|-----------------------|--------|
| Section | Test Item | Limit | Frequency Range (MHz) | Result |
| 15.247(a)(1)(iii) RSS-247 5.1 (4) | Average Time of Occupancy | 0.4sec | 2400-2483.5 | PASS |

6.1.1 TEST PROCEDURE

- a. The transmitter output (antenna port) was connected to the spectrum analyzer
- b. Set RBW of spectrum analyzer to 1MHz and VBW to 1MHz.
- c. Use a video trigger with the trigger level set to enable triggering only on full pulses.
- d. Sweep Time is more than once pulse time.
- e. Set the center frequency on any frequency would be measure and set the frequency span to zero span.
- f. Measure the maximum time duration of one single pulse.
- g. Set the EUT for DH5, DH3 and DH1 packet transmitting.
- h. Measure the maximum time duration of one single pulse.
- i. DH5 Packet permit maximum $1600 / 79 / 6 = 3.37$ hops per second in each channel (5 time slots TX, 1 time slot RX). So, the dwell time is the time duration of the pulse times $3.37 \times 31.6 = 106.6$ within 31.6 seconds.
- j. DH3 Packet permit maximum $1600 / 79 / 4 = 5.06$ hops per second in each channel (3 time slots TX, 1 time slot RX). So, the dwell time is the time duration of the pulse times $5.06 \times 31.6 = 160$ within 31.6 seconds.
- k. DH1 Packet permit maximum $1600 / 79 / 2 = 10.12$ hops per second in each channel (1 time slot TX, 1 time slot RX). So, the dwell time is the time duration of the pulse times $10.12 \times 31.6 = 320$ within 31.6 seconds.

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 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

6.1.5 EUT TEST CONDITIONS

Temperature: 25°C

Relative Humidity: 55%

Test Voltage: AC 120V/60Hz

6.1.6 TEST RESULTS

Please refer to the Attachment F

7. HOPPING CHANNEL SEPARATION MEASUREMENT

7.1 APPLIED PROCEDURES / LIMIT

Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 KHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

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

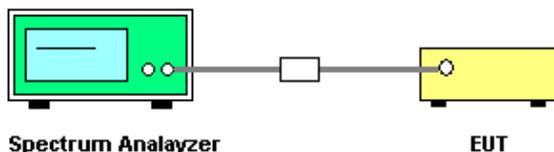
7.1.1 TEST PROCEDURE

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

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT TEST CONDITIONS

Temperature: 25°C
 Relative Humidity: 55%
 Test Voltage: AC 120V/60Hz

7.1.5 TEST RESULTS

Please refer to the Attachment G

8. BANDWIDTH TEST

8.1 APPLIED PROCEDURES

| FCC Part15 (15.247) , Subpart C/ RSS-GEN and RSS-247 | | |
|--|-----------|-----------------------|
| Section | Test Item | Frequency Range (MHz) |
| 15.247(a)(2) RSS-GEN 6.6 RSS-247 5.1 (1) | Bandwidth | 2400-2483.5 |

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

8.1.1 TEST PROCEDURE

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

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

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

8.1.5 EUT TEST CONDITIONS

Temperature: 25°C

Relative Humidity: 55%

Test Voltage: AC 120V/60Hz

8.1.6 TEST RESULTS

Please refer to the Attachment H

9. PEAK OUTPUT POWER TEST

9.1 APPLIED PROCEDURES / LIMIT

| FCC Part15 (15.247) , Subpart C/ RSS-247 | | | | |
|--|-------------------|--|-----------------------|--------|
| Section | Test Item | Limit | Frequency Range (MHz) | Result |
| 15.247(b)(1) RSS-247 5.4 (2) | Peak Output Power | 1 Watt or 30dBm (hopping channel >75) 0.125Watt or 21dBm (hopping channel <75) | 2400-2483.5 | PASS |

9.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW= 1MHz/3MHz, VBW= 1MHz/3MHz, Sweep time = Auto.

9.1.2 DEVIATION FROM STANDARD

No deviation.

9.1.3 TEST SETUP



9.1.4 EUT OPERATION CONDITIONS

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

9.1.5 EUT TEST CONDITIONS

Temperature: 25°C
Relative Humidity: 55%
Test Voltage: AC 120V/60Hz

9.1.6 TEST RESULTS

Please refer to the Attachment I

10. ANTENNA CONDUCTED SPURIOUS EMISSION

10.1 APPLIED PROCEDURES / LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits.

10.1.1 TEST PROCEDURE

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

10.1.2 DEVIATION FROM STANDARD

No deviation.

10.1.3 TEST SETUP



10.1.4 EUT OPERATION CONDITIONS

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

10.1.5 EUT TEST CONDITIONS

Temperature: 25°C

Relative Humidity: 55%

Test Voltage: AC 120V/60Hz

10.1.6 TEST RESULTS

Please refer to the Attachment J

11. MEASUREMENT INSTRUMENTS LIST

| Conducted Emission Measurement | | | | | |
|--------------------------------|----------------------|--------------|-----------------------|------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | LISN | EMCO | 3816/2 | 00052765 | Mar. 28, 2016 |
| 2 | LISN | R&S | ENV216 | 101447 | Mar. 28, 2016 |
| 3 | Test Cable | emci | RG223(9KHz-30 MHz) | C_17 | Mar. 13, 2016 |
| 4 | EMI TEST RECEIVER | R&S | ESCS30 | 833364/017 | Mar. 28, 2016 |
| 5 | 50Ω Terminator | SHX | TF2-3G-A | 08122902 | Mar. 28, 2016 |
| 6 | Measurement Software | Farad | EZ-EMC Ver.NB-03A1-01 | N/A | N/A |

| Radiated Emission Measurement | | | | | |
|-------------------------------|-------------------------|--------------|-------------------------------------|------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Antenna | Schwarzbeck | VULB9160 | 9160-3232 | Mar. 28, 2016 |
| 2 | Amplifier | HP | 8447D | 2944A09673 | Nov. 17, 2015 |
| 3 | Receiver | AGILENT | N9038A | MY52130039 | Sep. 30, 2016 |
| 4 | Test Cable | emci | LMR-400(30MH z-1GHz) | C-01 | Jun. 28, 2016 |
| 5 | Controller | CT | SC100 | N/A | N/A |
| 6 | Antenna | ETS | 3115 | 00075789 | Mar. 28, 2016 |
| 7 | Amplifier | Agilent | 8449B | 3008A02274 | Nov. 02, 2015 |
| 8 | Receiver | AGILENT | N9038A | MY52130039 | Sep. 30, 2016 |
| 9 | Test Cable | emci | EMC104-SM-S M-10000(1GHz – 26.5GHz) | C-68 | Jun. 28, 2016 |
| 10 | Controller | CT | SC100 | N/A | N/A |
| 11 | Broad-Band Horn Antenna | Schwarzbeck | BBHA 9170 | 9170319 | Mar. 28, 2016 |
| 12 | Active Loop Antenna | R&S | HFH2-Z2 | 830749/020 | Aug. 15, 2016 |
| 13 | Measurement Software | Farad | EZ-EMC Ver.NB-03A1-01 | N/A | N/A |

Number of Hopping Channel

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|-------------------|--------------|----------|------------|------------------|
| 1 | Spectrum Analyzer | R&S | FSP 40 | 100185 | Nov. 02, 2015 |

Average Time of Occupancy

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|-------------------|--------------|----------|------------|------------------|
| 1 | Spectrum Analyzer | R&S | FSP 40 | 100185 | Nov. 02, 2015 |

Hopping Channel Separation Measurement

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|-------------------|--------------|----------|------------|------------------|
| 1 | Spectrum Analyzer | R&S | FSP 40 | 100185 | Nov. 02, 2015 |

Bandwidth

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|-------------------|--------------|----------|------------|------------------|
| 1 | Spectrum Analyzer | R&S | FSP 40 | 100185 | Nov. 02, 2015 |

Peak Output Power

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|-------------------|--------------|----------|------------|------------------|
| 1 | Spectrum Analyzer | R&S | FSP 40 | 100185 | Nov. 02, 2015 |

Antenna Conducted Spurious Emission

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|-------------------|--------------|----------|------------|------------------|
| 1 | Spectrum Analyzer | R&S | FSP 40 | 100185 | Nov. 02, 2015 |

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

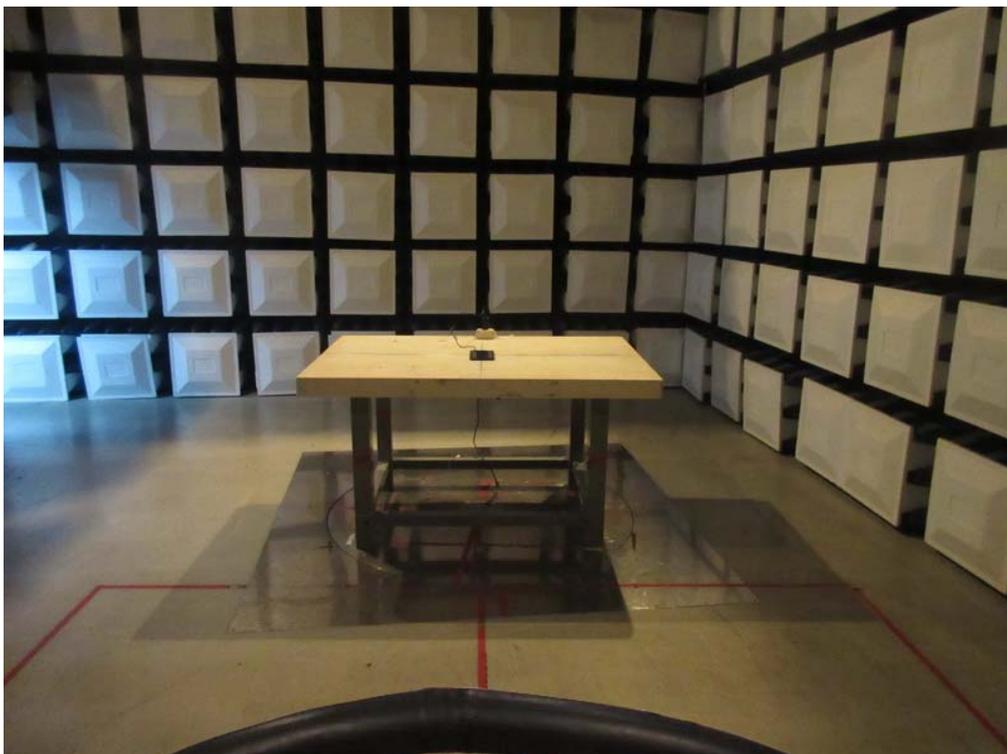
12. EUT TEST PHOTO

Conducted Measurement Photos



Radiated Measurement Photos

9KHz to 30MHz



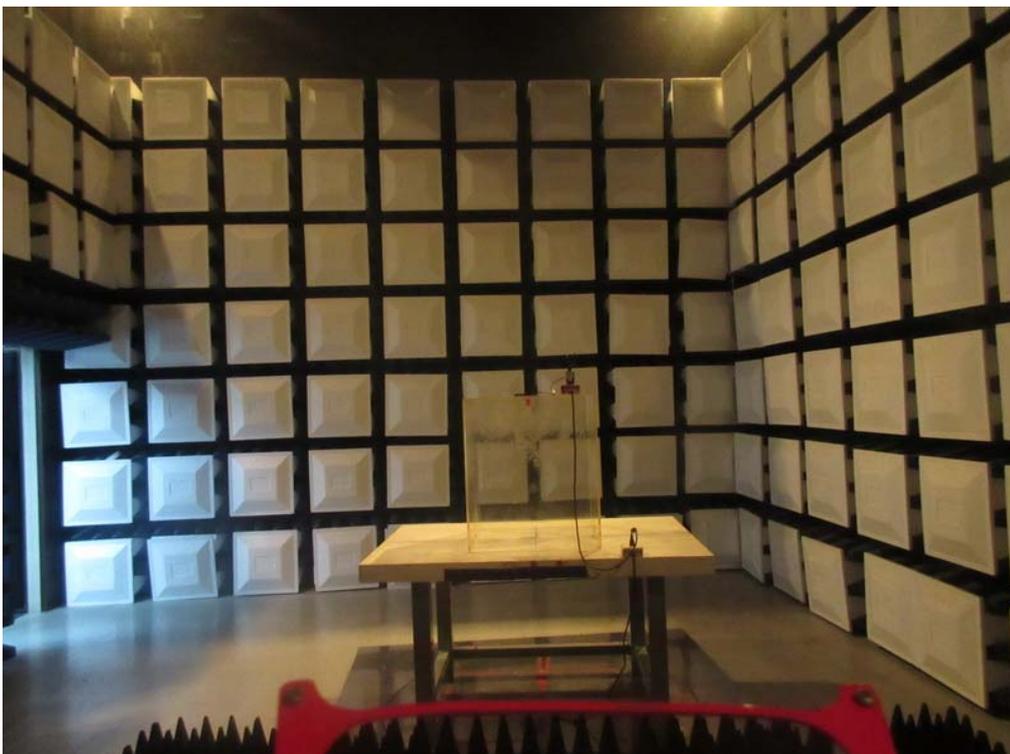
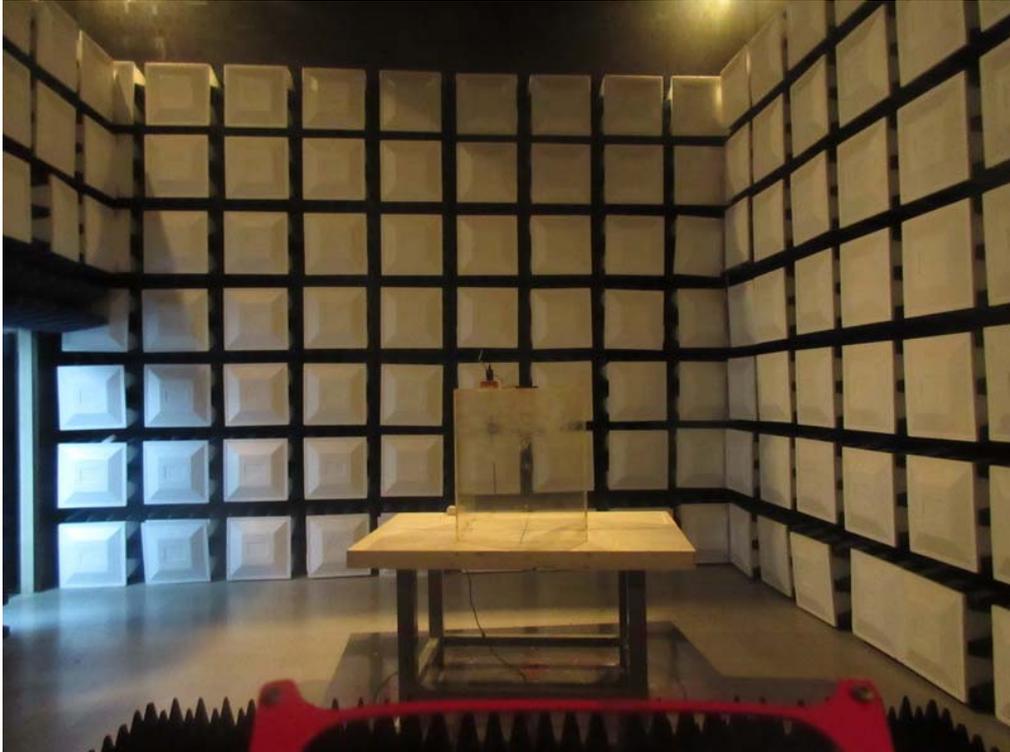
Radiated Measurement Photos

30MHz to 1000MHz



Radiated Measurement Photos

Above 1000MHz



ATTACHMENT A - CONDUCTED EMISSION

Test Mode: TX Mode_Main Supply_Adapter:Huntkey_PCB V1.0

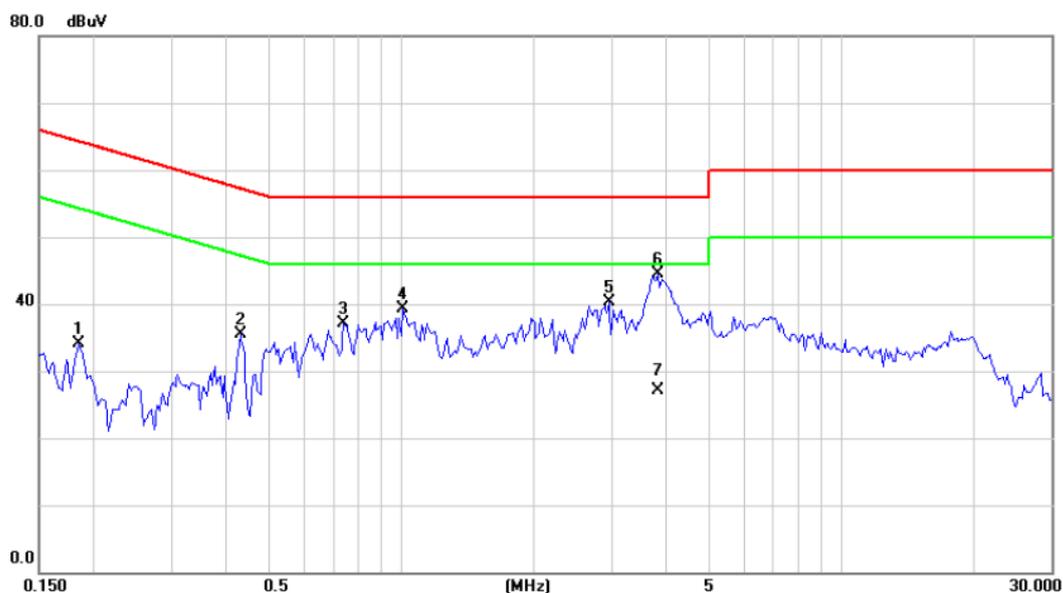
Line



| No. Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | Over dB | Detector | Comment |
|---------|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1 | 0.1852 | 25.24 | 9.57 | 34.81 | 64.25 | -29.44 | peak | |
| 2 | 0.5563 | 27.25 | 9.70 | 36.95 | 56.00 | -19.05 | peak | |
| 3 | 1.0055 | 31.19 | 9.80 | 40.99 | 56.00 | -15.01 | peak | |
| 4 | 1.8570 | 29.43 | 9.90 | 39.33 | 56.00 | -16.67 | peak | |
| 5 | 2.9820 | 33.52 | 10.03 | 43.55 | 56.00 | -12.45 | peak | |
| 6 * | 3.9648 | 36.52 | 9.97 | 46.49 | 56.00 | -9.51 | peak | |
| 7 | 3.9648 | 19.40 | 9.97 | 29.37 | 46.00 | -16.63 | AVG | |

Test Mode: TX Mode_Main Supply_Adapter:Huntkey_PCB V1.0

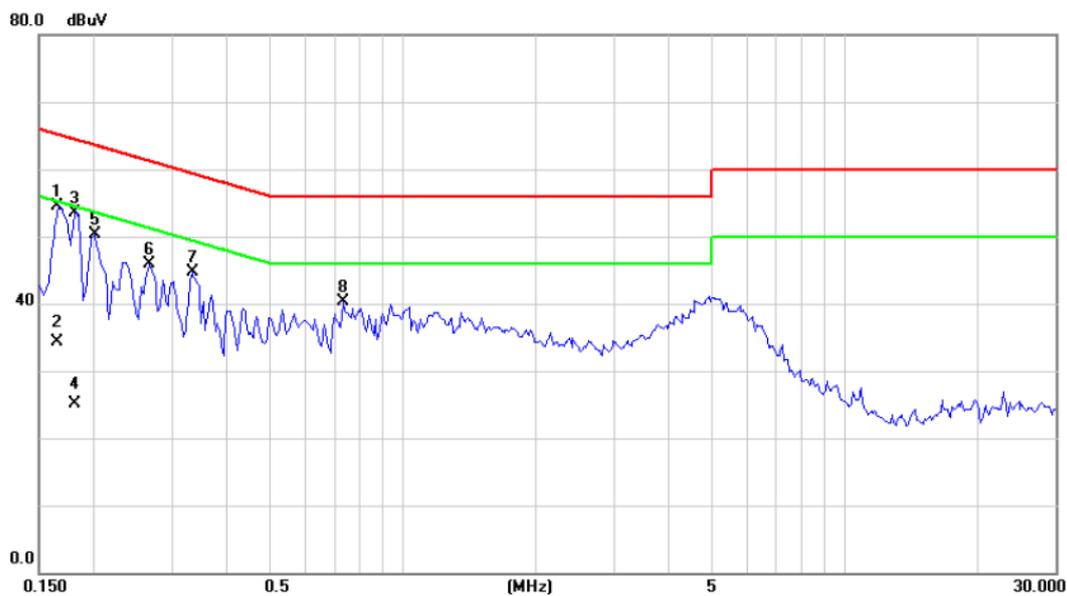
Neutral



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1 | | 0.1852 | 24.62 | 9.49 | 34.11 | 64.25 | -30.14 | peak | |
| 2 | | 0.4313 | 25.88 | 9.54 | 35.42 | 57.23 | -21.81 | peak | |
| 3 | | 0.7398 | 27.52 | 9.54 | 37.06 | 56.00 | -18.94 | peak | |
| 4 | | 1.0094 | 29.80 | 9.58 | 39.38 | 56.00 | -16.62 | peak | |
| 5 | | 2.9703 | 30.45 | 9.81 | 40.26 | 56.00 | -15.74 | peak | |
| 6 | * | 3.8360 | 34.60 | 9.90 | 44.50 | 56.00 | -11.50 | peak | |
| 7 | | 3.8360 | 17.20 | 9.90 | 27.10 | 46.00 | -18.90 | AVG | |

Test Mode: TX Mode_Main Supply_Adapter:Acbel_PCB V1.0

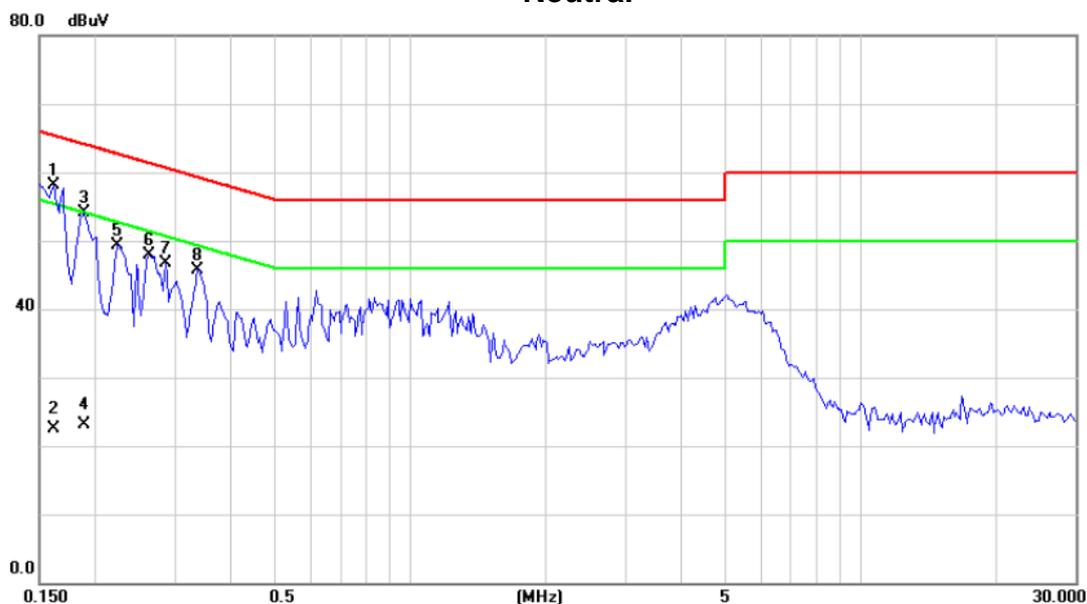
Line



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1 | * | 0.1655 | 44.90 | 9.56 | 54.46 | 65.18 | -10.72 | peak | |
| 2 | | 0.1655 | 24.70 | 9.56 | 34.26 | 55.18 | -20.92 | AVG | |
| 3 | | 0.1812 | 43.94 | 9.56 | 53.50 | 64.43 | -10.93 | peak | |
| 4 | | 0.1812 | 15.60 | 9.56 | 25.16 | 54.43 | -29.27 | AVG | |
| 5 | | 0.2008 | 40.72 | 9.57 | 50.29 | 63.58 | -13.29 | peak | |
| 6 | | 0.2672 | 36.19 | 9.62 | 45.81 | 61.20 | -15.39 | peak | |
| 7 | | 0.3336 | 35.06 | 9.64 | 44.70 | 59.36 | -14.66 | peak | |
| 8 | | 0.7320 | 30.54 | 9.74 | 40.28 | 56.00 | -15.72 | peak | |

Test Mode: TX Mode_Main Supply_Adapter: Acbel_PCB V1.0

Neutral



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1 | * | 0.1617 | 48.56 | 9.48 | 58.04 | 65.38 | -7.34 | peak | |
| 2 | | 0.1617 | 13.10 | 9.48 | 22.58 | 55.38 | -32.80 | AVG | |
| 3 | | 0.1891 | 44.62 | 9.49 | 54.11 | 64.08 | -9.97 | peak | |
| 4 | | 0.1891 | 13.60 | 9.49 | 23.09 | 54.08 | -30.99 | AVG | |
| 5 | | 0.2242 | 39.88 | 9.50 | 49.38 | 62.66 | -13.28 | peak | |
| 6 | | 0.2633 | 38.32 | 9.51 | 47.83 | 61.33 | -13.50 | peak | |
| 7 | | 0.2867 | 37.12 | 9.52 | 46.64 | 60.62 | -13.98 | peak | |
| 8 | | 0.3375 | 36.22 | 9.53 | 45.75 | 59.26 | -13.51 | peak | |

Test Mode: TX Mode_ Secondary Supply_Adapter:Huntkey_PCB V1.0

Line



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1 | | 0.2477 | 22.40 | 9.61 | 32.01 | 61.83 | -29.82 | peak | |
| 2 | | 0.4625 | 24.21 | 9.68 | 33.89 | 56.65 | -22.76 | peak | |
| 3 | | 0.8102 | 28.80 | 9.75 | 38.55 | 56.00 | -17.45 | peak | |
| 4 | | 2.7945 | 32.97 | 10.02 | 42.99 | 56.00 | -13.01 | peak | |
| 5 | * | 3.8398 | 35.28 | 9.97 | 45.25 | 56.00 | -10.75 | peak | |
| 6 | | 3.8398 | 17.50 | 9.97 | 27.47 | 46.00 | -18.53 | AVG | |
| 7 | | 6.7422 | 28.71 | 9.92 | 38.63 | 60.00 | -21.37 | peak | |

Test Mode: TX Mode_ Secondary Supply_Adapter:Huntkey_PCB V1.0

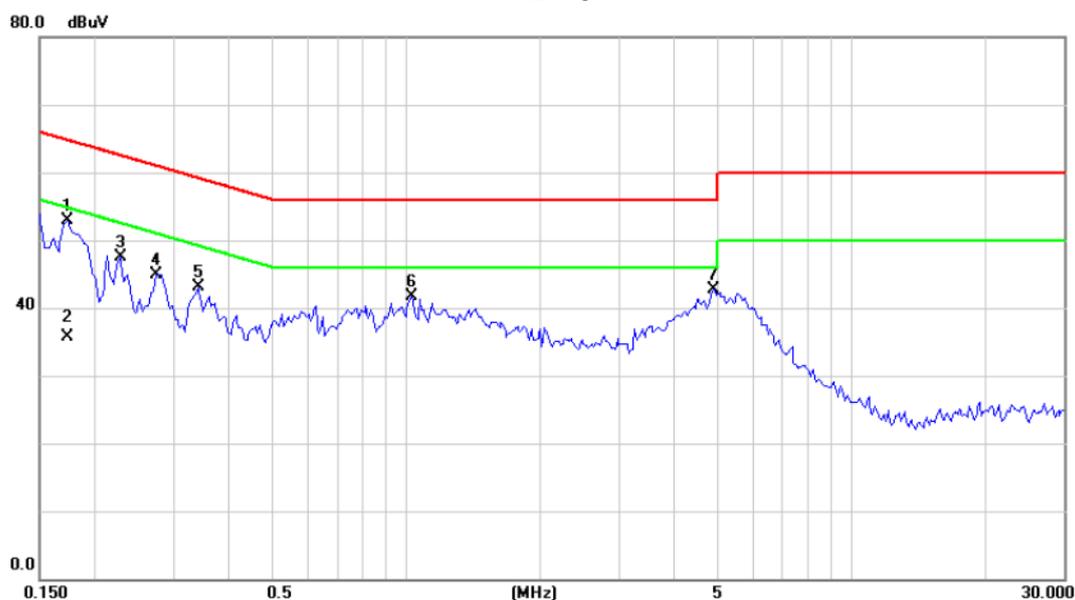
Neutral



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1 | | 0.1812 | 30.77 | 9.49 | 40.26 | 64.43 | -24.17 | peak | |
| 2 | | 0.2828 | 28.74 | 9.52 | 38.26 | 60.73 | -22.47 | peak | |
| 3 | | 0.8922 | 30.35 | 9.58 | 39.93 | 56.00 | -16.07 | peak | |
| 4 | | 1.9508 | 30.36 | 9.72 | 40.08 | 56.00 | -15.92 | peak | |
| 5 | | 3.9063 | 18.00 | 9.91 | 27.91 | 46.00 | -18.09 | AVG | |
| 6 | * | 3.9063 | 37.00 | 9.91 | 46.91 | 56.00 | -9.09 | peak | |
| 7 | | 5.0898 | 30.99 | 9.91 | 40.90 | 60.00 | -19.10 | peak | |

Test Mode: TX Mode_ Secondary Supply_Adapter:Acbel_PCB V1.0

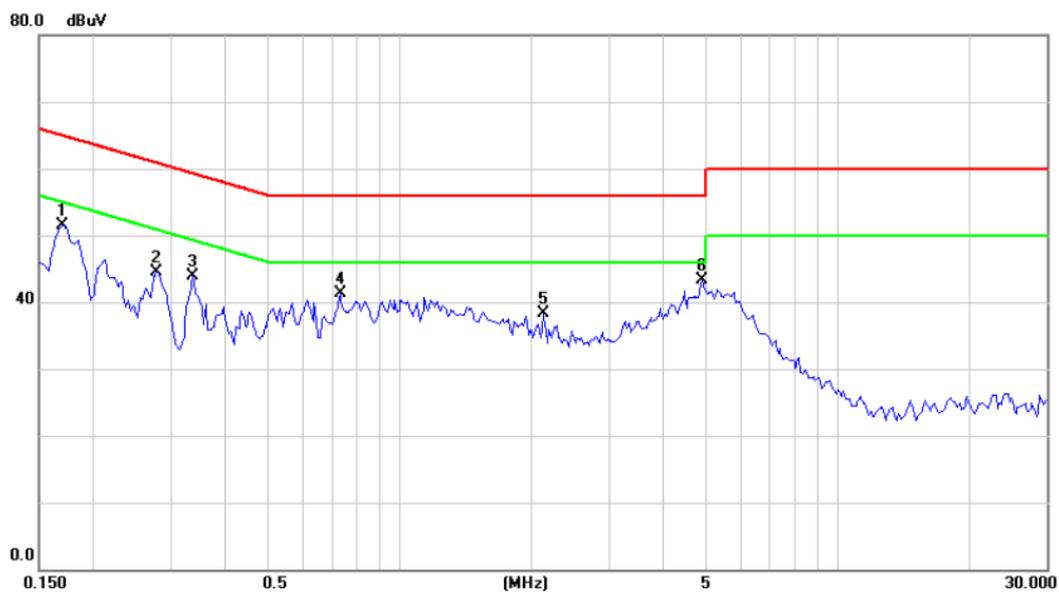
Line



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1 | * | 0.1734 | 43.27 | 9.56 | 52.83 | 64.80 | -11.97 | peak | |
| 2 | | 0.1734 | 26.20 | 9.56 | 35.76 | 54.80 | -19.04 | AVG | |
| 3 | | 0.2281 | 37.97 | 9.59 | 47.56 | 62.52 | -14.96 | peak | |
| 4 | | 0.2750 | 35.35 | 9.63 | 44.98 | 60.97 | -15.99 | peak | |
| 5 | | 0.3414 | 33.55 | 9.64 | 43.19 | 59.17 | -15.98 | peak | |
| 6 | | 1.0290 | 31.85 | 9.80 | 41.65 | 56.00 | -14.35 | peak | |
| 7 | | 4.9141 | 32.80 | 9.99 | 42.79 | 56.00 | -13.21 | peak | |

Test Mode: TX Mode_ Secondary Supply_Adapter: Acbel_PCB V1.0

Neutral



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1 | | 0.1695 | 42.06 | 9.48 | 51.54 | 64.98 | -13.44 | peak | |
| 2 | | 0.2790 | 34.96 | 9.52 | 44.48 | 60.85 | -16.37 | peak | |
| 3 | | 0.3375 | 34.35 | 9.53 | 43.88 | 59.26 | -15.38 | peak | |
| 4 | | 0.7320 | 31.77 | 9.54 | 41.31 | 56.00 | -14.69 | peak | |
| 5 | | 2.1266 | 28.55 | 9.73 | 38.28 | 56.00 | -17.72 | peak | |
| 6 | * | 4.8983 | 33.34 | 9.91 | 43.25 | 56.00 | -12.75 | peak | |

Test Mode: TX Mode_Main Supply_Adapter:Huntkey_PCB V2.0

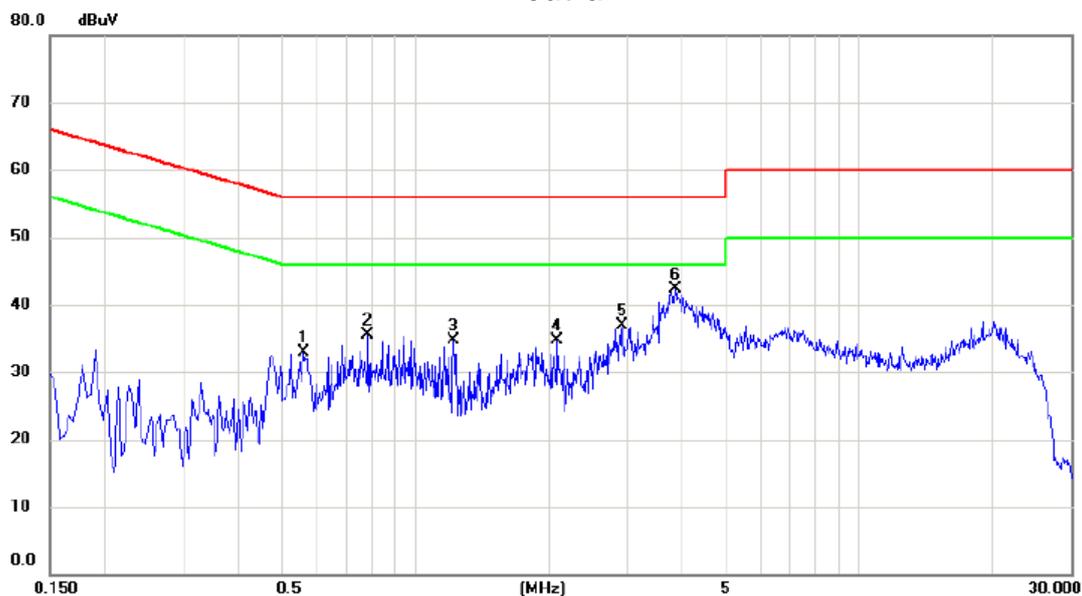
Line



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|--------------|----------|---------|
| 1 | | 0.4740 | 29.78 | 9.68 | 39.46 | 56.44 | -16.98 | peak | |
| 2 | | 0.5620 | 31.91 | 9.70 | 41.61 | 56.00 | -14.39 | peak | |
| 3 | | 0.8060 | 31.87 | 9.75 | 41.62 | 56.00 | -14.38 | peak | |
| 4 | | 1.6980 | 30.24 | 9.87 | 40.11 | 56.00 | -15.89 | peak | |
| 5 | | 2.9180 | 32.17 | 10.03 | 42.20 | 56.00 | -13.80 | peak | |
| 6 | * | 3.9820 | 35.72 | 9.97 | 45.69 | 56.00 | -10.31 | peak | |
| 7 | | 3.9820 | 15.96 | 9.97 | 25.93 | 46.00 | -20.07 | AVG | |

Test Mode: TX Mode_Main Supply_Adapter:Huntkey_PCB V2.0

Neutral



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|--------------|----------|---------|
| 1 | | 0.5620 | 23.25 | 9.56 | 32.81 | 56.00 | -23.19 | peak | |
| 2 | | 0.7820 | 25.91 | 9.55 | 35.46 | 56.00 | -20.54 | peak | |
| 3 | | 1.2220 | 25.04 | 9.62 | 34.66 | 56.00 | -21.34 | peak | |
| 4 | | 2.0900 | 24.90 | 9.73 | 34.63 | 56.00 | -21.37 | peak | |
| 5 | | 2.9220 | 27.19 | 9.80 | 36.99 | 56.00 | -19.01 | peak | |
| 6 | * | 3.8580 | 32.34 | 9.90 | 42.24 | 56.00 | -13.76 | peak | |

ATTACHMENT B - RADIATED EMISSION (9KHZ-30MHZ)

Test Mode: TX Mode_Main Supply_PCB V1.0

| Frequency (MHz) | Ant 0°/90° | Read level dBuV/m | Factor (dB) | Measured(FS) (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Note |
|-----------------|------------|-------------------|-------------|-----------------------|----------------|-------------|------|
| 0.0096 | 0° | 13.47 | 24.96 | 38.43 | 128.00 | -89.56 | AVG |
| 0.0096 | 0° | 14.49 | 24.96 | 39.45 | 148.00 | -108.54 | PEAK |
| 0.0262 | 0° | 6.54 | 23.91 | 30.45 | 119.24 | -88.79 | AVG |
| 0.0262 | 0° | 8.13 | 23.91 | 32.04 | 139.24 | -107.20 | PEAK |
| 0.0342 | 0° | 3.17 | 23.40 | 26.57 | 116.92 | -90.35 | AVG |
| 0.0342 | 0° | 5.51 | 23.40 | 28.91 | 136.92 | -108.01 | PEAK |
| 0.0457 | 0° | 1.32 | 22.67 | 23.99 | 114.41 | -90.41 | AVG |
| 0.0457 | 0° | 2.62 | 22.67 | 25.29 | 134.41 | -109.11 | PEAK |
| 0.6437 | 0° | 19.49 | 20.26 | 39.75 | 71.43 | -31.68 | QP |
| 1.7171 | 0° | 23.67 | 19.53 | 43.20 | 69.54 | -26.34 | QP |

| Frequency (MHz) | Ant 0°/90° | Read level dBuV/m | Factor (dB) | Measured(FS) (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Note |
|-----------------|------------|-------------------|-------------|-----------------------|----------------|-------------|------|
| 0.0095 | 90° | 13.26 | 24.30 | 37.56 | 128.09 | -90.53 | AVG |
| 0.0095 | 90° | 14.84 | 24.30 | 39.14 | 148.09 | -108.95 | PEAK |
| 0.0264 | 90° | 7.47 | 23.89 | 31.36 | 119.17 | -87.81 | AVG |
| 0.0264 | 90° | 8.81 | 23.89 | 32.70 | 139.17 | -106.47 | PEAK |
| 0.0328 | 90° | 5.43 | 23.49 | 28.92 | 117.29 | -88.37 | AVG |
| 0.0328 | 90° | 6.37 | 23.49 | 29.86 | 137.29 | -107.43 | PEAK |
| 0.0434 | 90° | 1.51 | 22.82 | 24.33 | 114.85 | -90.53 | AVG |
| 0.0434 | 90° | 2.84 | 22.82 | 25.66 | 134.85 | -109.20 | PEAK |
| 0.5883 | 90° | 22.41 | 20.08 | 42.49 | 72.21 | -29.72 | QP |
| 1.7147 | 90° | 24.49 | 19.53 | 44.02 | 69.54 | -25.52 | QP |

| | |
|------------|------------------------------------|
| Test Mode: | TX Mode_ Secondary Supply_PCB V1.0 |
|------------|------------------------------------|

| Frequency (MHz) | Ant 0°/90° | Read level dBuV/m | Factor (dB) | Measured(FS) (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Note |
|-----------------|------------|-------------------|-------------|-----------------------|----------------|-------------|------|
| 0.0090 | 0° | 13.52 | 24.99 | 38.51 | 128.48 | -89.97 | AVG |
| 0.0090 | 0° | 14.33 | 24.99 | 39.32 | 148.48 | -109.16 | PEAK |
| 0.0273 | 0° | 6.08 | 23.84 | 29.92 | 118.88 | -88.96 | AVG |
| 0.0273 | 0° | 8.27 | 23.84 | 32.11 | 138.88 | -106.77 | PEAK |
| 0.0358 | 0° | 3.39 | 23.30 | 26.69 | 116.53 | -89.84 | AVG |
| 0.0358 | 0° | 5.42 | 23.30 | 28.72 | 136.53 | -107.81 | PEAK |
| 0.0437 | 0° | 1.75 | 22.80 | 24.55 | 114.79 | -90.25 | AVG |
| 0.0437 | 0° | 2.62 | 22.80 | 25.42 | 134.79 | -109.38 | PEAK |
| 0.5426 | 0° | 19.17 | 19.94 | 39.11 | 72.91 | -33.81 | QP |
| 1.7882 | 0° | 23.86 | 19.52 | 43.38 | 69.54 | -26.16 | QP |

| Frequency (MHz) | Ant 0°/90° | Read level dBuV/m | Factor (dB) | Measured(FS) (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Note |
|-----------------|------------|-------------------|-------------|-----------------------|----------------|-------------|------|
| 0.0118 | 90° | 13.14 | 24.30 | 37.44 | 126.17 | -88.73 | AVG |
| 0.0118 | 90° | 14.27 | 24.30 | 38.57 | 146.17 | -107.60 | PEAK |
| 0.0205 | 90° | 7.05 | 24.27 | 31.32 | 121.37 | -90.05 | AVG |
| 0.0205 | 90° | 8.31 | 24.27 | 32.58 | 141.37 | -108.79 | PEAK |
| 0.0335 | 90° | 5.52 | 23.45 | 28.97 | 117.10 | -88.14 | AVG |
| 0.0335 | 90° | 6.67 | 23.45 | 30.12 | 137.10 | -106.99 | PEAK |
| 0.0426 | 90° | 1.85 | 22.87 | 24.72 | 115.02 | -90.30 | AVG |
| 0.0426 | 90° | 2.43 | 22.87 | 25.30 | 135.02 | -109.72 | PEAK |
| 0.5934 | 90° | 22.57 | 20.10 | 42.67 | 72.14 | -29.47 | QP |
| 1.8235 | 90° | 24.43 | 19.52 | 43.95 | 69.54 | -25.59 | QP |

Test Mode: TX Mode_Main Supply_PCB V2.0

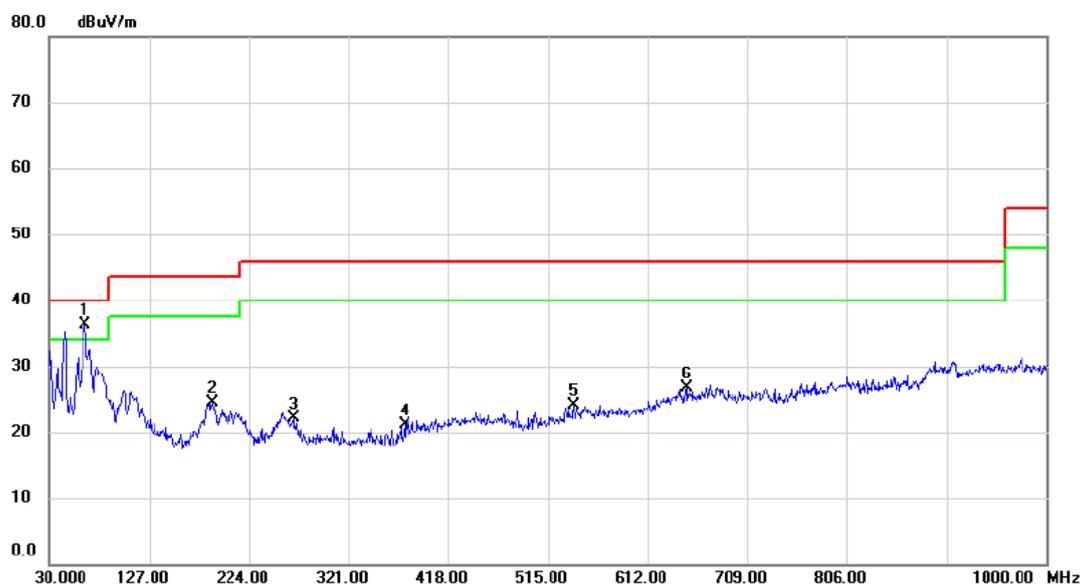
| Frequency (MHz) | Ant 0°/90° | Read level dBuV/m | Factor (dB) | Measured(FS) (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Note |
|-----------------|------------|-------------------|-------------|-----------------------|----------------|-------------|------|
| 0.0156 | 0° | 6.05 | 24.58 | 30.63 | 123.74 | -93.11 | AVG |
| 0.0156 | 0° | 8.86 | 24.58 | 33.44 | 143.74 | -110.30 | PEAK |
| 0.0252 | 0° | 1.96 | 23.97 | 25.93 | 119.58 | -93.65 | AVG |
| 0.0252 | 0° | 4.48 | 23.97 | 28.45 | 139.58 | -111.13 | PEAK |
| 0.0403 | 0° | 1.32 | 23.01 | 24.33 | 115.50 | -91.16 | AVG |
| 0.0403 | 0° | 2.81 | 23.01 | 25.82 | 135.50 | -109.67 | PEAK |
| 0.0684 | 0° | 5.76 | 22.03 | 27.79 | 110.90 | -83.11 | AVG |
| 0.0684 | 0° | 8.23 | 22.03 | 30.26 | 130.90 | -100.64 | PEAK |
| 2.2694 | 0° | 24.68 | 19.34 | 44.02 | 69.54 | -25.52 | QP |
| 12.0602 | 0° | 15.24 | 17.92 | 33.16 | 69.54 | -36.38 | QP |

| Frequency (MHz) | Ant 0°/90° | Read level dBuV/m | Factor (dB) | Measured(FS) (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Note |
|-----------------|------------|-------------------|-------------|-----------------------|----------------|-------------|------|
| 0.0154 | 90° | 7.36 | 24.30 | 31.66 | 123.85 | -92.19 | AVG |
| 0.0154 | 90° | 10.55 | 24.30 | 34.85 | 143.85 | -109.00 | PEAK |
| 0.0253 | 90° | 4.19 | 23.96 | 28.15 | 119.54 | -91.39 | AVG |
| 0.0253 | 90° | 7.56 | 23.96 | 31.52 | 139.54 | -108.02 | PEAK |
| 0.0307 | 90° | 2.14 | 23.62 | 25.76 | 117.86 | -92.10 | AVG |
| 0.0307 | 90° | 4.78 | 23.62 | 28.40 | 137.86 | -109.46 | PEAK |
| 0.0681 | 90° | 6.43 | 22.04 | 28.47 | 110.94 | -82.47 | AVG |
| 0.0681 | 90° | 10.13 | 22.04 | 32.17 | 130.94 | -98.77 | PEAK |
| 2.1500 | 90° | 28.73 | 19.41 | 48.14 | 69.54 | -21.40 | QP |
| 12.0602 | 90° | 19.86 | 17.92 | 37.78 | 69.54 | -31.76 | QP |

ATTACHMENT C - RADIATED EMISSION (30MHZ TO 1000MHZ)

Test Mode: TX 2402MHz _CH00_1Mbps_Main Supply_Adapter:Huntkey_PCB V1.0

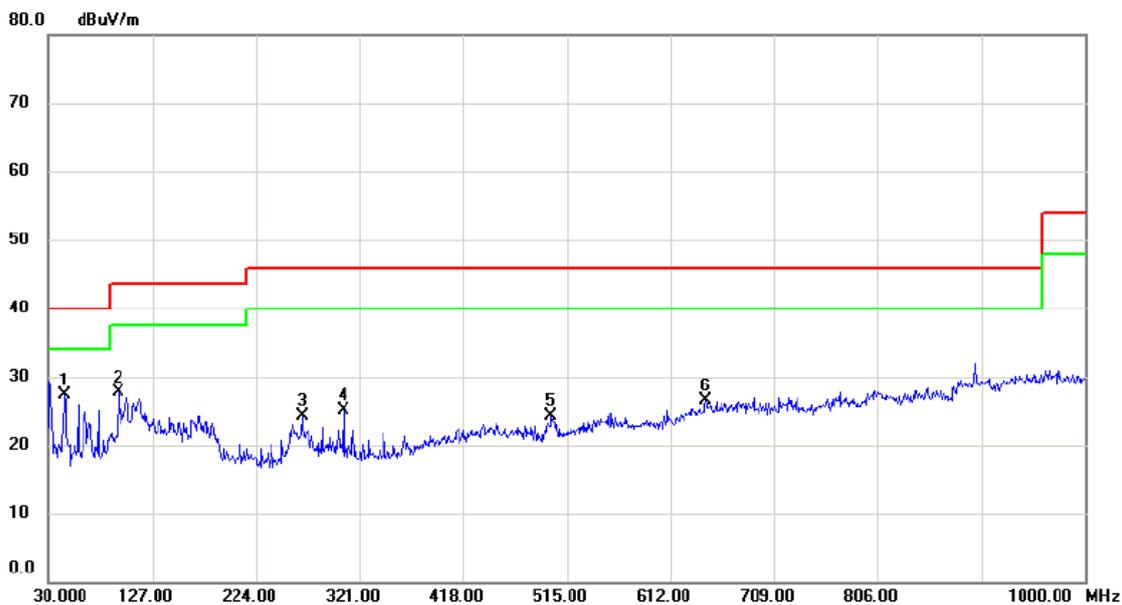
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 63.9500 | 50.35 | -13.96 | 36.39 | 40.00 | -3.61 | peak | |
| 2 | | 188.1100 | 37.22 | -12.71 | 24.51 | 43.50 | -18.99 | peak | |
| 3 | | 266.6800 | 34.26 | -12.07 | 22.19 | 46.00 | -23.81 | peak | |
| 4 | | 375.3200 | 29.64 | -8.57 | 21.07 | 46.00 | -24.93 | peak | |
| 5 | | 540.2200 | 29.26 | -5.17 | 24.09 | 46.00 | -21.91 | peak | |
| 6 | | 649.8300 | 28.36 | -1.65 | 26.71 | 46.00 | -19.29 | peak | |

Test Mode: TX 2402MHz _CH00_1Mbps_Main Supply_Adapter:Huntkey_PCB V1.0

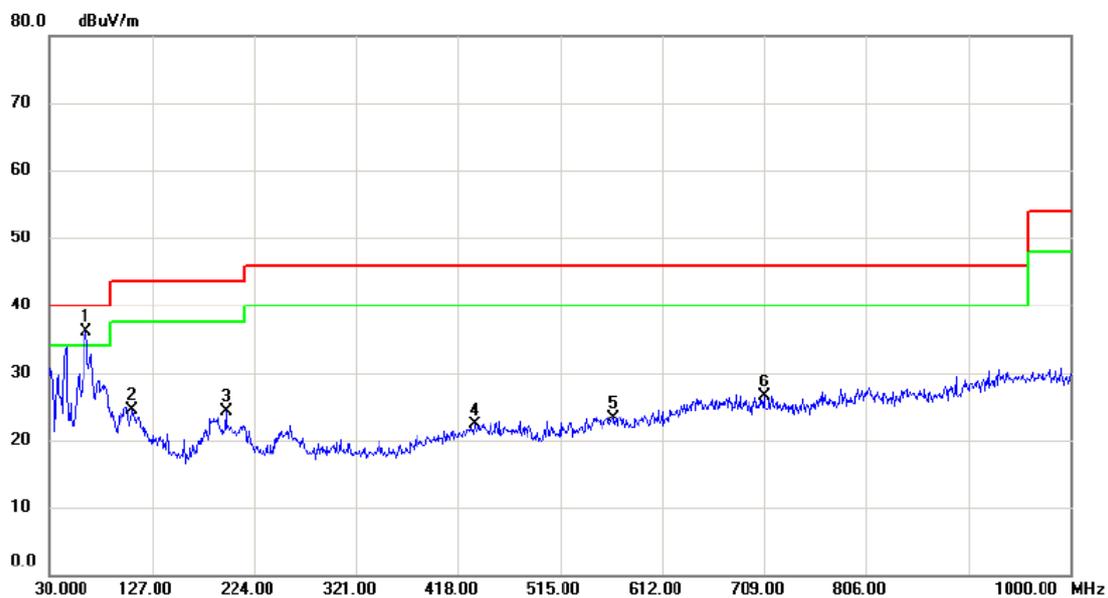
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 44.5500 | 39.23 | -11.94 | 27.29 | 40.00 | -12.71 | peak | |
| 2 | | 94.9900 | 43.12 | -15.51 | 27.61 | 43.50 | -15.89 | peak | |
| 3 | | 266.6800 | 36.39 | -12.07 | 24.32 | 46.00 | -21.68 | peak | |
| 4 | | 305.4800 | 34.79 | -9.63 | 25.16 | 46.00 | -20.84 | peak | |
| 5 | | 500.4500 | 31.72 | -7.37 | 24.35 | 46.00 | -21.65 | peak | |
| 6 | | 644.9800 | 28.44 | -1.94 | 26.50 | 46.00 | -19.50 | peak | |

Test Mode: TX 2441MHz _CH39_1Mbps_Main Supply_Adapter:Huntkey_PCB V1.0

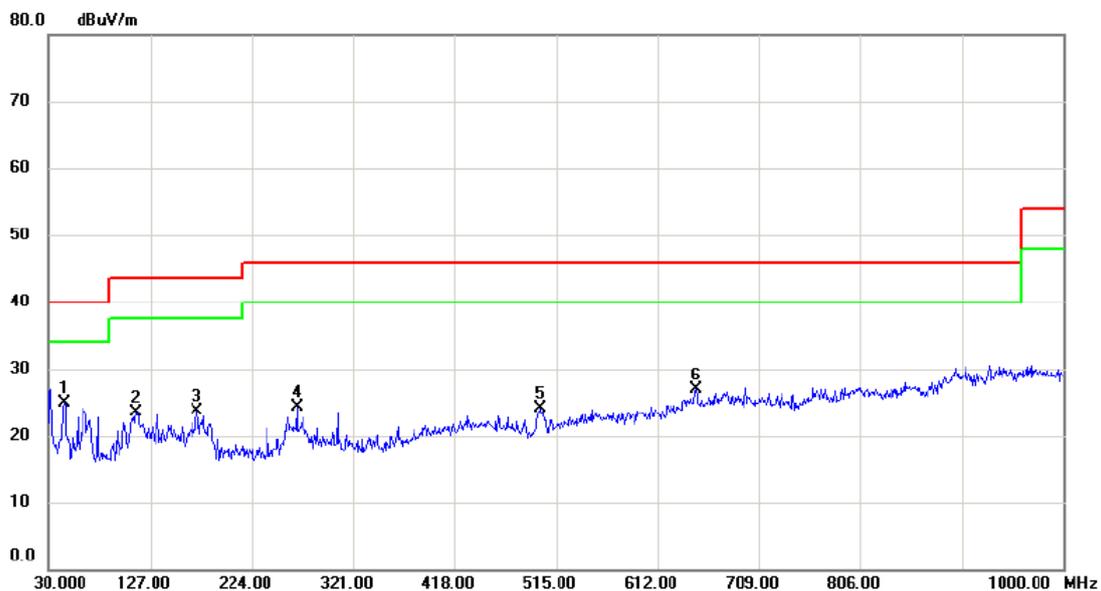
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 63.9500 | 50.09 | -13.96 | 36.13 | 40.00 | -3.87 | peak | |
| 2 | | 108.5700 | 38.49 | -13.92 | 24.57 | 43.50 | -18.93 | peak | |
| 3 | | 196.8400 | 37.63 | -13.39 | 24.24 | 43.50 | -19.26 | peak | |
| 4 | | 433.5200 | 28.74 | -6.35 | 22.39 | 46.00 | -23.61 | peak | |
| 5 | | 565.4400 | 28.00 | -4.63 | 23.37 | 46.00 | -22.63 | peak | |
| 6 | | 709.0000 | 28.03 | -1.46 | 26.57 | 46.00 | -19.43 | peak | |

Test Mode: TX 2441MHz _CH39_1Mbps_Main Supply_Adapter:Huntkey_PCB V1.0

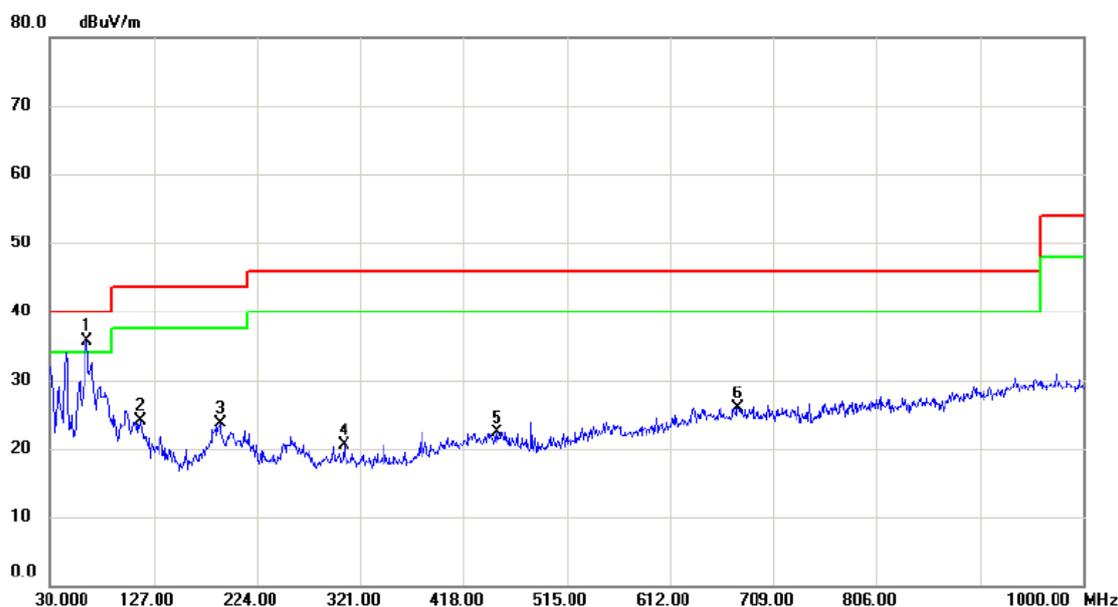
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 44.5500 | 36.81 | -11.94 | 24.87 | 40.00 | -15.13 | peak | |
| 2 | | 113.4200 | 36.80 | -13.38 | 23.42 | 43.50 | -20.08 | peak | |
| 3 | | 171.6200 | 34.94 | -11.17 | 23.77 | 43.50 | -19.73 | peak | |
| 4 | | 266.6800 | 36.46 | -12.07 | 24.39 | 46.00 | -21.61 | peak | |
| 5 | | 500.4500 | 31.57 | -7.37 | 24.20 | 46.00 | -21.80 | peak | |
| 6 | | 648.8600 | 28.55 | -1.72 | 26.83 | 46.00 | -19.17 | peak | |

Test Mode: TX 2480MHz _CH78_1Mbps _Main Supply_Adapter:Huntkey_PCB V1.0

Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 63.9500 | 49.71 | -13.96 | 35.75 | 40.00 | -4.25 | peak | |
| 2 | | 114.3900 | 37.29 | -13.25 | 24.04 | 43.50 | -19.46 | peak | |
| 3 | | 189.0800 | 36.59 | -12.85 | 23.74 | 43.50 | -19.76 | peak | |
| 4 | | 305.4800 | 30.19 | -9.63 | 20.56 | 46.00 | -25.44 | peak | |
| 5 | | 450.0100 | 28.22 | -5.89 | 22.33 | 46.00 | -23.67 | peak | |
| 6 | | 676.0200 | 27.53 | -1.56 | 25.97 | 46.00 | -20.03 | peak | |

Test Mode: TX 2480MHz _CH78_1Mbps _Main Supply_Adapter:Huntkey_PCB V1.0

Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 62.9800 | 40.50 | -13.89 | 26.61 | 40.00 | -13.39 | peak | |
| 2 | | 114.3900 | 37.21 | -13.25 | 23.96 | 43.50 | -19.54 | peak | |
| 3 | | 171.6200 | 35.50 | -11.17 | 24.33 | 43.50 | -19.17 | peak | |
| 4 | | 305.4800 | 33.95 | -9.63 | 24.32 | 46.00 | -21.68 | peak | |
| 5 | | 444.1900 | 28.37 | -6.06 | 22.31 | 46.00 | -23.69 | peak | |
| 6 | | 643.0400 | 28.07 | -2.05 | 26.02 | 46.00 | -19.98 | peak | |

Test Mode: TX 2402MHz_CH00_1Mbps_Main Supply_Adapter:Acbel_PCB V1.0

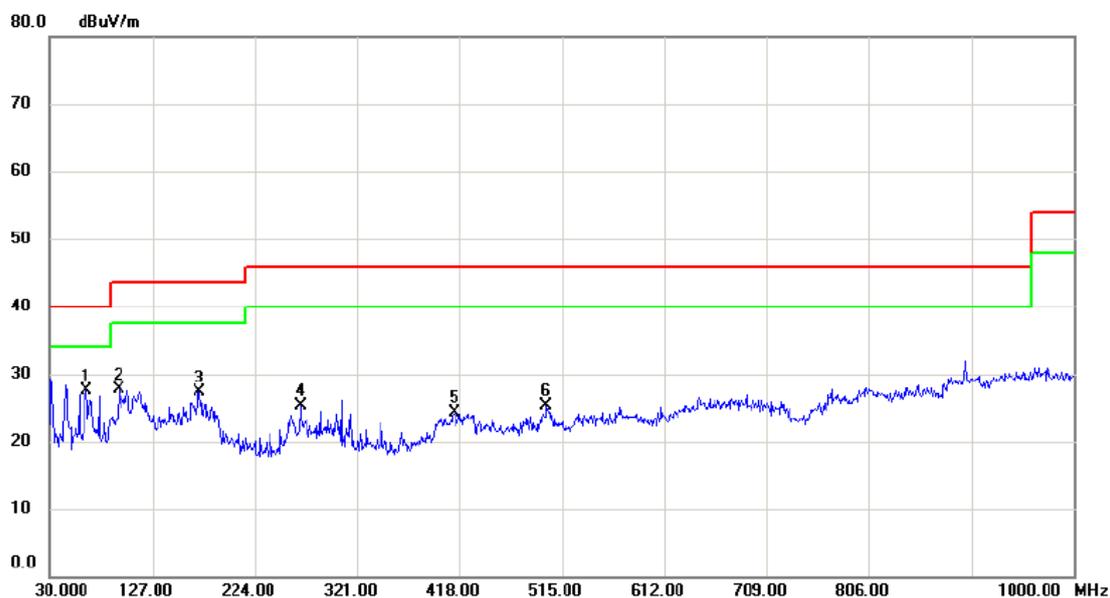
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 63.9500 | 49.85 | -13.96 | 35.89 | 40.00 | -4.11 | peak | |
| 2 | | 102.7500 | 41.32 | -14.44 | 26.88 | 43.50 | -16.62 | peak | |
| 3 | | 188.1100 | 38.22 | -12.71 | 25.51 | 43.50 | -17.99 | peak | |
| 4 | | 256.9800 | 36.52 | -12.64 | 23.88 | 46.00 | -22.12 | peak | |
| 5 | | 440.3100 | 29.12 | -6.15 | 22.97 | 46.00 | -23.03 | peak | |
| 6 | | 643.0400 | 29.46 | -2.05 | 27.41 | 46.00 | -18.59 | peak | |

Test Mode: TX 2402MHz_CH00_1Mbps_Main Supply_Adapter:Acbel_PCB V1.0

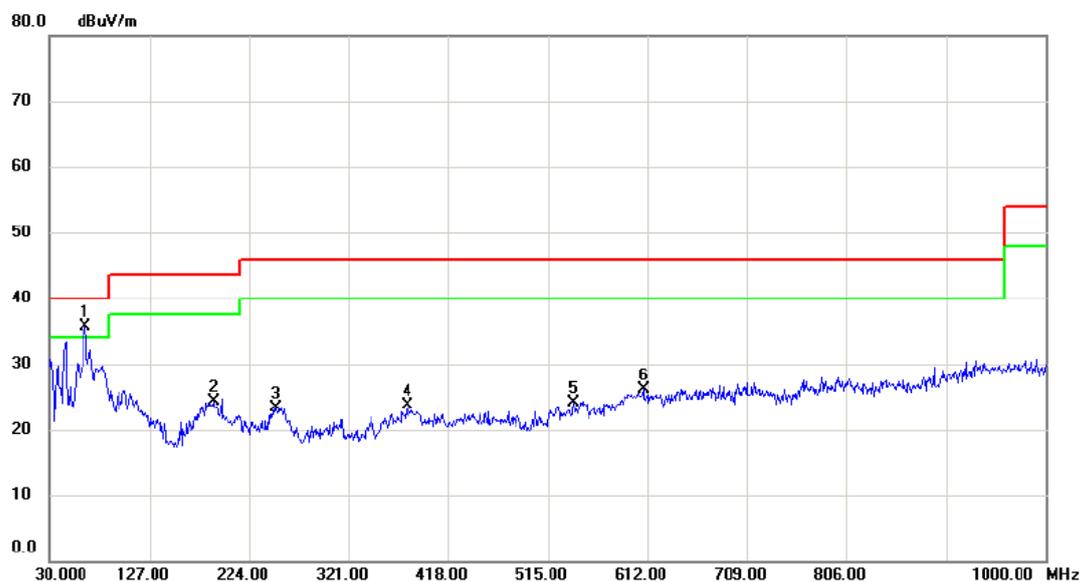
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 63.9500 | 41.44 | -13.96 | 27.48 | 40.00 | -12.52 | peak | |
| 2 | | 94.9900 | 43.12 | -15.51 | 27.61 | 43.50 | -15.89 | peak | |
| 3 | | 171.6200 | 38.49 | -11.17 | 27.32 | 43.50 | -16.18 | peak | |
| 4 | | 266.6800 | 37.39 | -12.07 | 25.32 | 46.00 | -20.68 | peak | |
| 5 | | 413.1500 | 31.22 | -6.90 | 24.32 | 46.00 | -21.68 | peak | |
| 6 | | 500.4500 | 32.72 | -7.37 | 25.35 | 46.00 | -20.65 | peak | |

Test Mode: TX 2441MHz_CH39_1Mbps_Main Supply_Adapter:Acbel_PCB V1.0

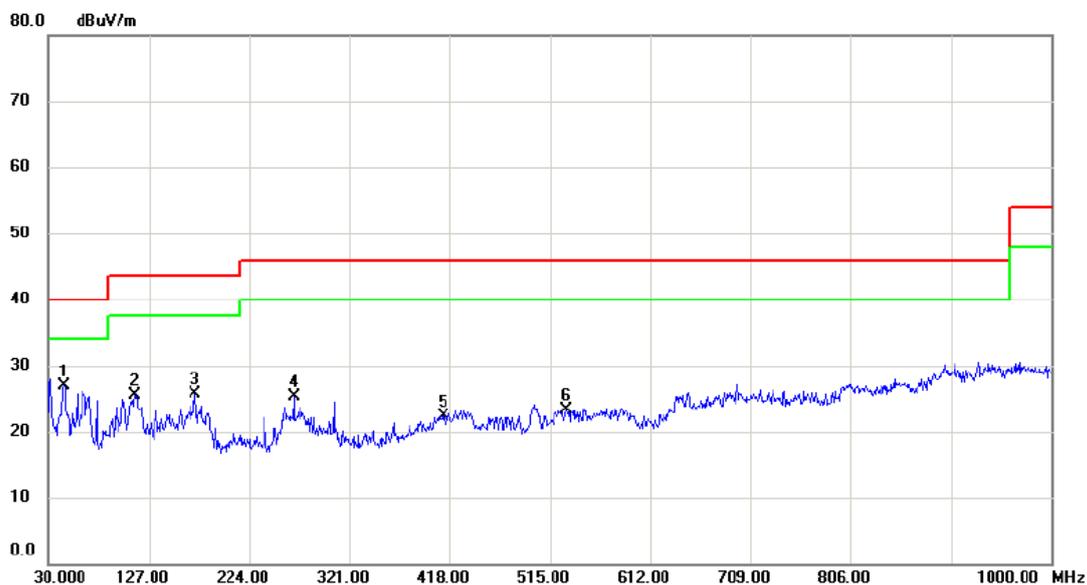
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 63.9500 | 49.59 | -13.96 | 35.63 | 40.00 | -4.37 | peak | |
| 2 | | 189.0800 | 37.06 | -12.85 | 24.21 | 43.50 | -19.29 | peak | |
| 3 | | 250.1900 | 36.02 | -12.67 | 23.35 | 46.00 | -22.65 | peak | |
| 4 | | 378.2300 | 32.12 | -8.42 | 23.70 | 46.00 | -22.30 | peak | |
| 5 | | 540.2200 | 29.32 | -5.17 | 24.15 | 46.00 | -21.85 | peak | |
| 6 | | 608.1200 | 30.23 | -4.15 | 26.08 | 46.00 | -19.92 | peak | |

Test Mode: TX 2441MHz_CH39_1Mbps_Main Supply_Adapter:Acbel_PCB V1.0

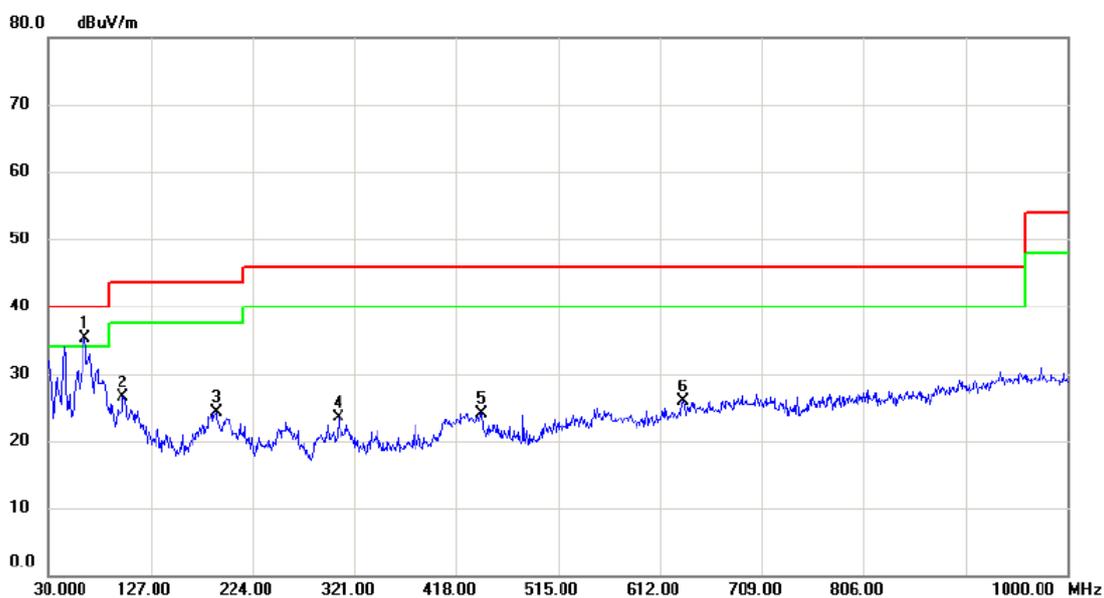
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 44.5500 | 38.81 | -11.94 | 26.87 | 40.00 | -13.13 | peak | |
| 2 | | 113.4200 | 38.80 | -13.38 | 25.42 | 43.50 | -18.08 | peak | |
| 3 | | 171.6200 | 36.94 | -11.17 | 25.77 | 43.50 | -17.73 | peak | |
| 4 | | 266.6800 | 37.46 | -12.07 | 25.39 | 46.00 | -20.61 | peak | |
| 5 | | 412.1800 | 29.19 | -6.92 | 22.27 | 46.00 | -23.73 | peak | |
| 6 | | 530.5200 | 29.08 | -5.69 | 23.39 | 46.00 | -22.61 | peak | |

Test Mode: TX 2480MHz_CH78_1Mbps_Main Supply_Adapter:Acbel_PCB V1.0

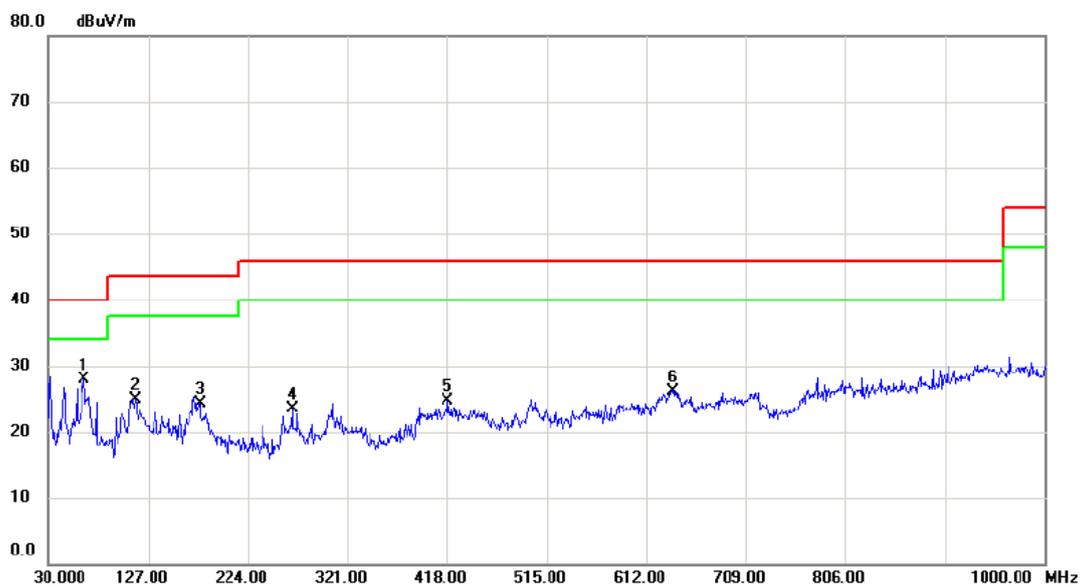
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 63.9500 | 49.21 | -13.96 | 35.25 | 40.00 | -4.75 | peak | |
| 2 | | 100.8100 | 41.20 | -14.61 | 26.59 | 43.50 | -16.91 | peak | |
| 3 | | 189.0800 | 37.09 | -12.85 | 24.24 | 43.50 | -19.26 | peak | |
| 4 | | 305.4800 | 33.19 | -9.63 | 23.56 | 46.00 | -22.44 | peak | |
| 5 | | 442.2500 | 30.20 | -6.11 | 24.09 | 46.00 | -21.91 | peak | |
| 6 | | 634.3100 | 28.50 | -2.58 | 25.92 | 46.00 | -20.08 | peak | |

Test Mode: TX 2480MHz_CH78_1Mbps_Main Supply_Adapter:Acbel_PCB V1.0

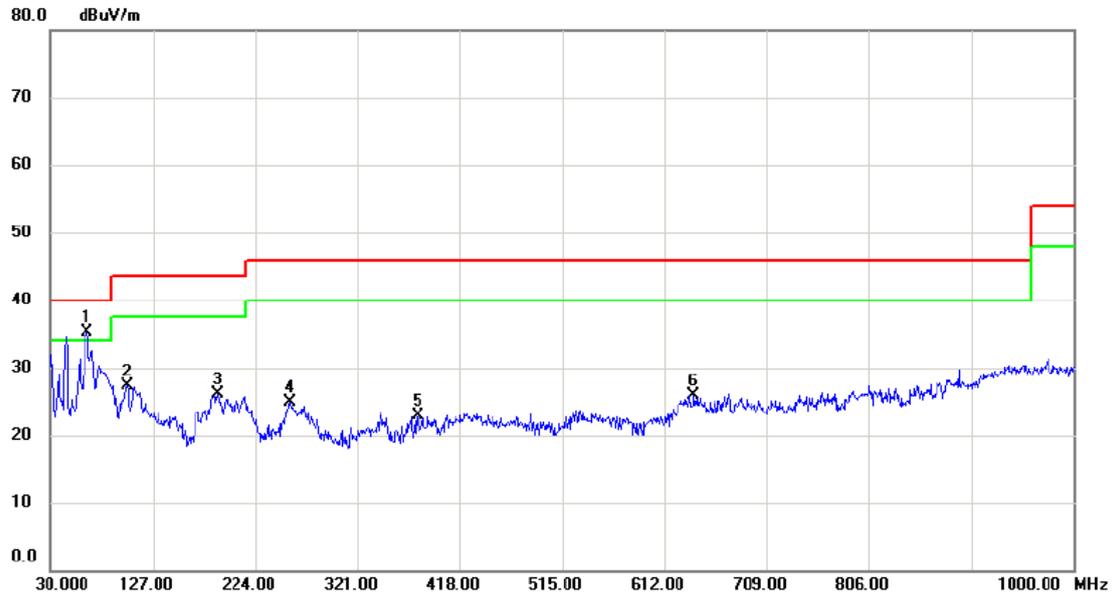
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 63.9500 | 41.79 | -13.96 | 27.83 | 40.00 | -12.17 | peak | |
| 2 | | 114.3900 | 38.21 | -13.25 | 24.96 | 43.50 | -18.54 | peak | |
| 3 | | 177.4400 | 35.71 | -11.38 | 24.33 | 43.50 | -19.17 | peak | |
| 4 | | 266.6800 | 35.62 | -12.07 | 23.55 | 46.00 | -22.45 | peak | |
| 5 | | 418.9700 | 31.48 | -6.74 | 24.74 | 46.00 | -21.26 | peak | |
| 6 | | 638.1900 | 28.54 | -2.34 | 26.20 | 46.00 | -19.80 | peak | |

| | |
|------------|---|
| Test Mode: | TX 2402MHz_CH00_1Mbps_Secondary Supply_Adapter:Huntkey_PCB V1.0 |
|------------|---|

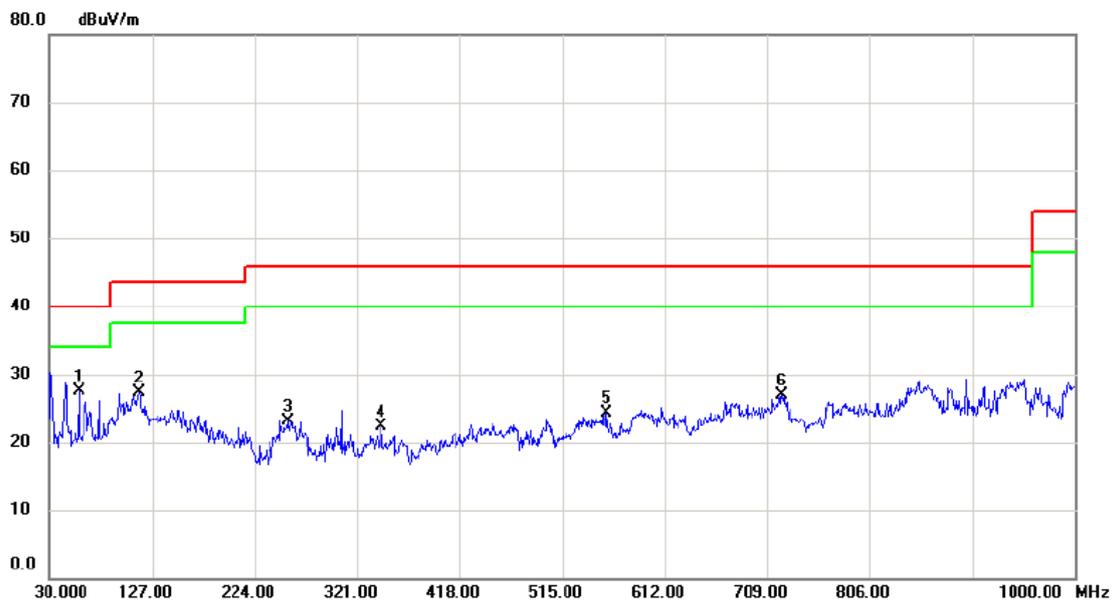
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 63.9500 | 49.35 | -13.96 | 35.39 | 40.00 | -4.61 | peak | |
| 2 | | 102.7500 | 41.82 | -14.44 | 27.38 | 43.50 | -16.12 | peak | |
| 3 | | 188.1100 | 38.72 | -12.71 | 26.01 | 43.50 | -17.49 | peak | |
| 4 | | 256.9800 | 37.52 | -12.64 | 24.88 | 46.00 | -21.12 | peak | |
| 5 | | 378.2300 | 31.42 | -8.42 | 23.00 | 46.00 | -23.00 | peak | |
| 6 | | 640.1300 | 28.21 | -2.23 | 25.98 | 46.00 | -20.02 | peak | |

| | |
|------------|---|
| Test Mode: | TX 2402MHz_CH00_1Mbps_Secondary Supply_Adapter:Huntkey_PCB V1.0 |
|------------|---|

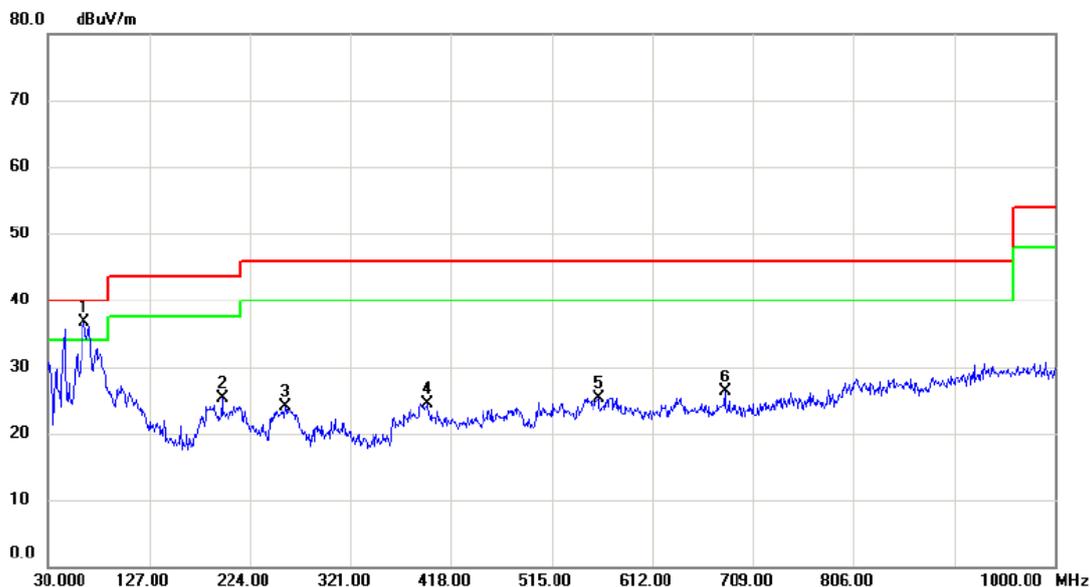
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 57.1600 | 40.51 | -13.03 | 27.48 | 40.00 | -12.52 | peak | |
| 2 | | 114.3900 | 40.46 | -13.25 | 27.21 | 43.50 | -16.29 | peak | |
| 3 | | 255.0400 | 35.76 | -12.65 | 23.11 | 46.00 | -22.89 | peak | |
| 4 | | 343.3100 | 32.14 | -9.88 | 22.26 | 46.00 | -23.74 | peak | |
| 5 | | 557.6800 | 28.90 | -4.62 | 24.28 | 46.00 | -21.72 | peak | |
| 6 | | 722.5800 | 28.31 | -1.44 | 26.87 | 46.00 | -19.13 | peak | |

| | |
|------------|---|
| Test Mode: | TX 2441MHz_CH39_1Mbps_Secondary Supply_Adapter:Huntkey_PCB V1.0 |
|------------|---|

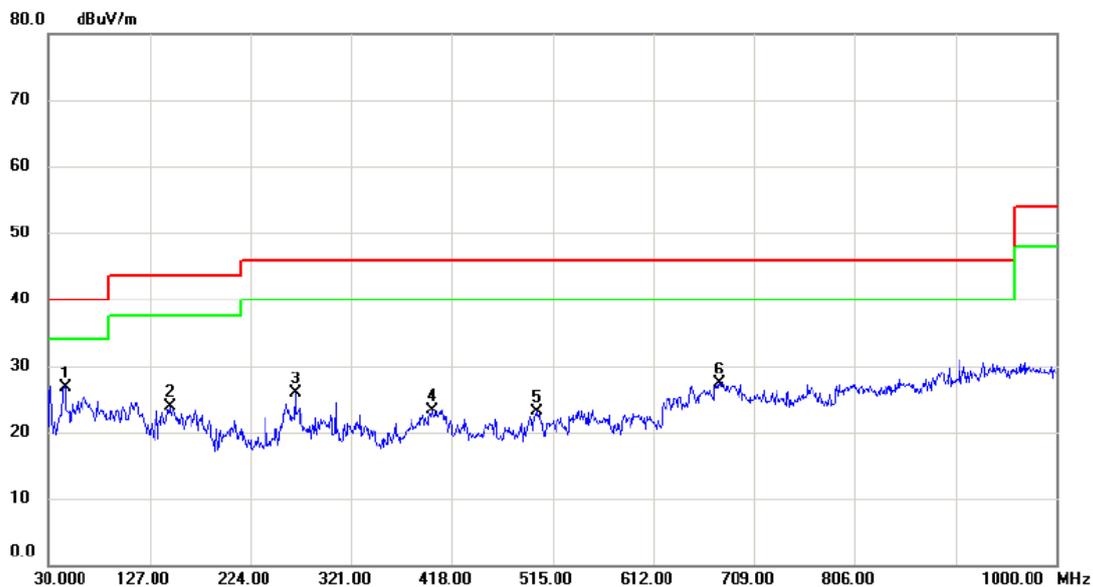
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 63.9500 | 50.59 | -13.96 | 36.63 | 40.00 | -3.37 | peak | |
| 2 | | 196.8400 | 38.63 | -13.39 | 25.24 | 43.50 | -18.26 | peak | |
| 3 | | 257.9500 | 36.73 | -12.64 | 24.09 | 46.00 | -21.91 | peak | |
| 4 | | 395.6900 | 31.94 | -7.50 | 24.44 | 46.00 | -21.56 | peak | |
| 5 | | 560.5900 | 29.99 | -4.62 | 25.37 | 46.00 | -20.63 | peak | |
| 6 | | 681.8400 | 27.75 | -1.53 | 26.22 | 46.00 | -19.78 | peak | |

| | |
|------------|---|
| Test Mode: | TX 2441MHz_CH39_1Mbps_Secondary Supply_Adapter:Huntkey_PCB V1.0 |
|------------|---|

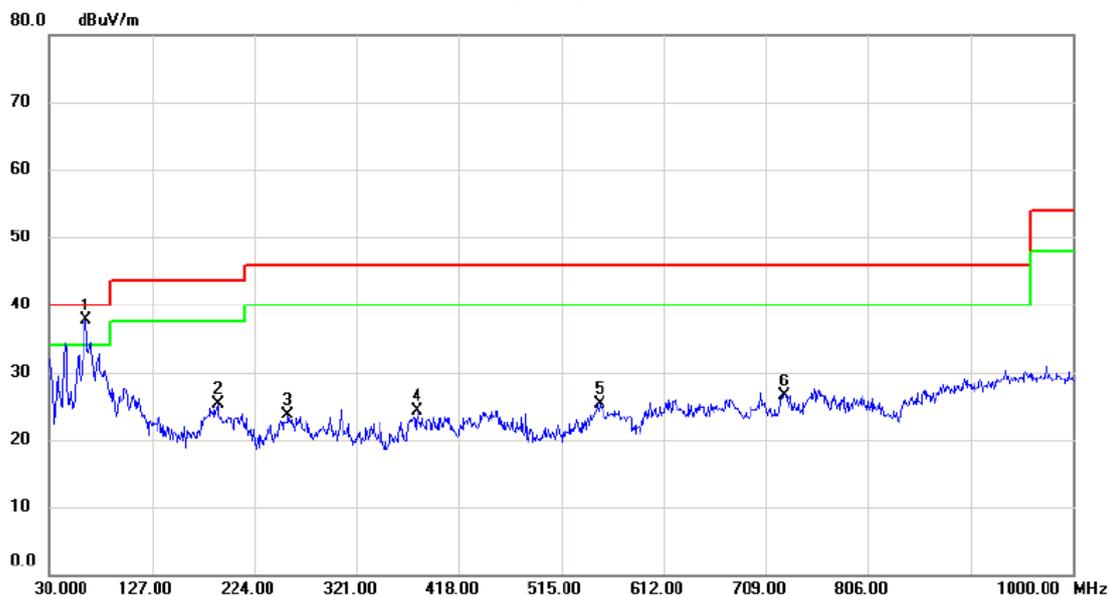
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 45.5200 | 38.54 | -11.84 | 26.70 | 40.00 | -13.30 | peak | |
| 2 | | 146.4000 | 35.52 | -11.58 | 23.94 | 43.50 | -19.56 | peak | |
| 3 | | 266.6800 | 37.96 | -12.07 | 25.89 | 46.00 | -20.11 | peak | |
| 4 | | 398.6000 | 30.66 | -7.34 | 23.32 | 46.00 | -22.68 | peak | |
| 5 | | 500.4500 | 30.57 | -7.37 | 23.20 | 46.00 | -22.80 | peak | |
| 6 | | 676.0200 | 28.79 | -1.56 | 27.23 | 46.00 | -18.77 | peak | |

| | |
|------------|---|
| Test Mode: | TX 2480MHz_CH78_1Mbps_Secondary Supply_Adapter:Huntkey_PCB V1.0 |
|------------|---|

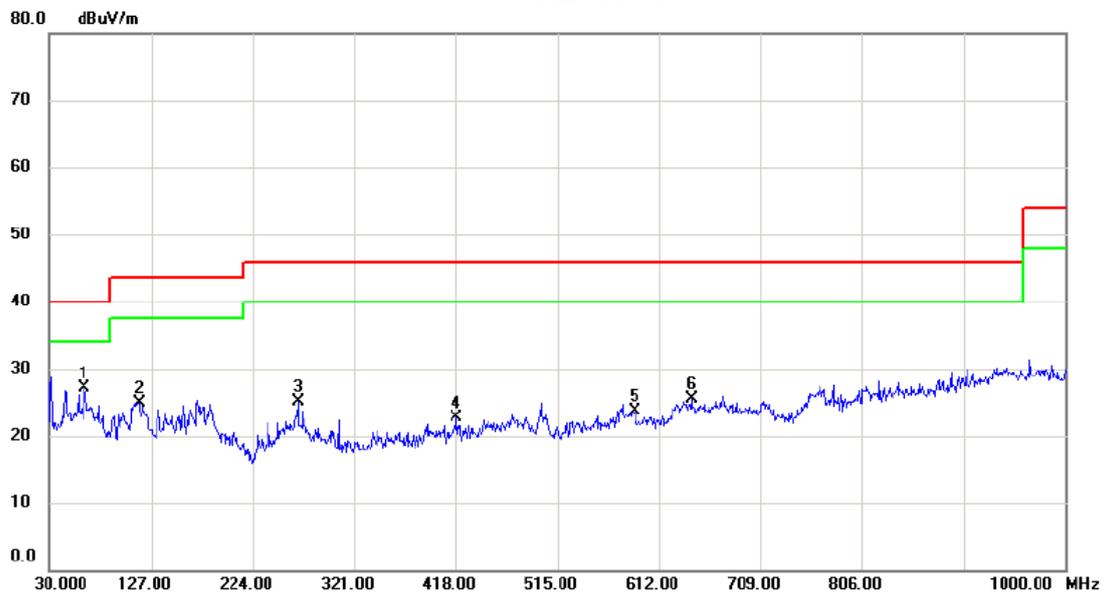
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 63.9500 | 51.71 | -13.96 | 37.75 | 40.00 | -2.25 | peak | |
| 2 | | 189.0800 | 38.09 | -12.85 | 25.24 | 43.50 | -18.26 | peak | |
| 3 | | 256.0100 | 36.37 | -12.65 | 23.72 | 46.00 | -22.28 | peak | |
| 4 | | 378.2300 | 32.81 | -8.42 | 24.39 | 46.00 | -21.61 | peak | |
| 5 | | 551.8600 | 29.95 | -4.62 | 25.33 | 46.00 | -20.67 | peak | |
| 6 | | 726.4600 | 28.05 | -1.45 | 26.60 | 46.00 | -19.40 | peak | |

| | |
|------------|---|
| Test Mode: | TX 2480MHz_CH78_1Mbps_Secondary Supply_Adapter:Huntkey_PCB V1.0 |
|------------|---|

Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 62.9800 | 41.00 | -13.89 | 27.11 | 40.00 | -12.89 | peak | |
| 2 | | 115.3600 | 38.11 | -13.14 | 24.97 | 43.50 | -18.53 | peak | |
| 3 | | 266.6800 | 37.12 | -12.07 | 25.05 | 46.00 | -20.95 | peak | |
| 4 | | 418.9700 | 29.48 | -6.74 | 22.74 | 46.00 | -23.26 | peak | |
| 5 | | 588.7200 | 28.31 | -4.63 | 23.68 | 46.00 | -22.32 | peak | |
| 6 | | 643.0400 | 27.57 | -2.05 | 25.52 | 46.00 | -20.48 | peak | |

Test Mode: TX 2402MHz_CH00_1Mbps_Secondary Supply_Adapter: Acbel_PCB V1.0

Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 63.9500 | 48.35 | -13.96 | 34.39 | 40.00 | -5.61 | peak | |
| 2 | | 109.5400 | 41.43 | -13.84 | 27.59 | 43.50 | -15.91 | peak | |
| 3 | | 188.1100 | 39.72 | -12.71 | 27.01 | 43.50 | -16.49 | peak | |
| 4 | | 256.9800 | 36.52 | -12.64 | 23.88 | 46.00 | -22.12 | peak | |
| 5 | | 378.2300 | 32.42 | -8.42 | 24.00 | 46.00 | -22.00 | peak | |
| 6 | | 456.8000 | 30.57 | -6.10 | 24.47 | 46.00 | -21.53 | peak | |

Test Mode: TX 2402MHz_CH00_1Mbps_Secondary Supply_Adapter: Acbel_PCB V1.0

Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 44.5500 | 39.73 | -11.94 | 27.79 | 40.00 | -12.21 | peak | |
| 2 | | 94.9900 | 42.62 | -15.51 | 27.11 | 43.50 | -16.39 | peak | |
| 3 | | 183.2600 | 36.04 | -11.96 | 24.08 | 43.50 | -19.42 | peak | |
| 4 | | 305.4800 | 35.79 | -9.63 | 26.16 | 46.00 | -19.84 | peak | |
| 5 | | 353.0100 | 33.13 | -9.77 | 23.36 | 46.00 | -22.64 | peak | |
| 6 | | 534.4000 | 31.19 | -5.48 | 25.71 | 46.00 | -20.29 | peak | |

Test Mode: TX 2441MHz_CH39_1Mbps_Secondary Supply_Adapter: Acbel_PCB V1.0

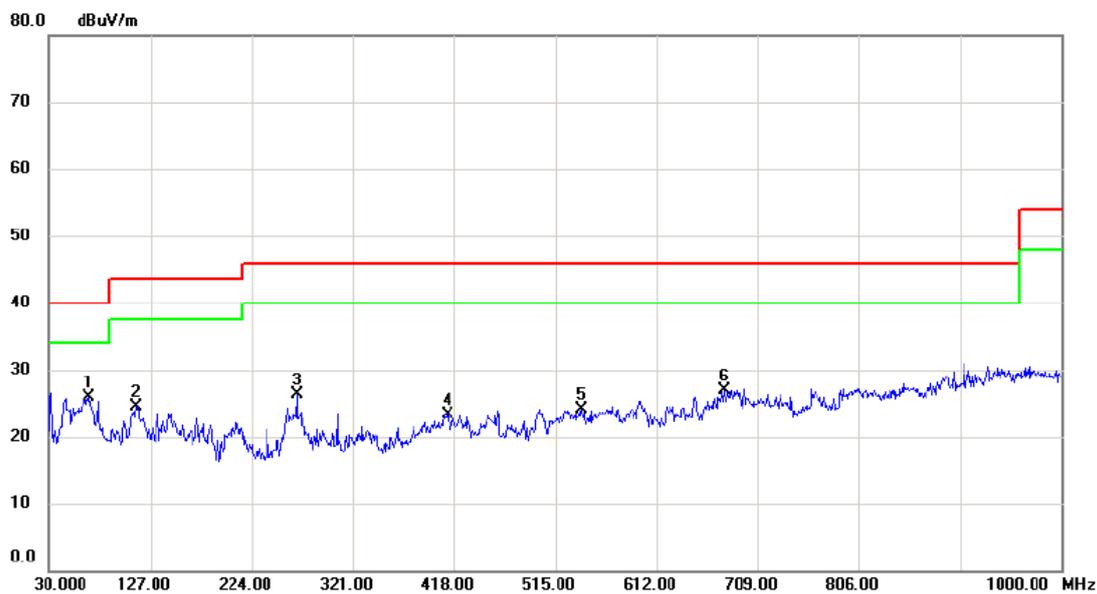
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 63.9500 | 49.59 | -13.96 | 35.63 | 40.00 | -4.37 | peak | |
| 2 | | 196.8400 | 37.63 | -13.39 | 24.24 | 43.50 | -19.26 | peak | |
| 3 | | 257.9500 | 35.73 | -12.64 | 23.09 | 46.00 | -22.91 | peak | |
| 4 | | 433.5200 | 28.74 | -6.35 | 22.39 | 46.00 | -23.61 | peak | |
| 5 | | 502.3900 | 31.92 | -7.25 | 24.67 | 46.00 | -21.33 | peak | |
| 6 | | 681.8400 | 28.75 | -1.53 | 27.22 | 46.00 | -18.78 | peak | |

Test Mode: TX 2441MHz_CH39_1Mbps_Secondary Supply_Adapter: Acbel_PCB V1.0

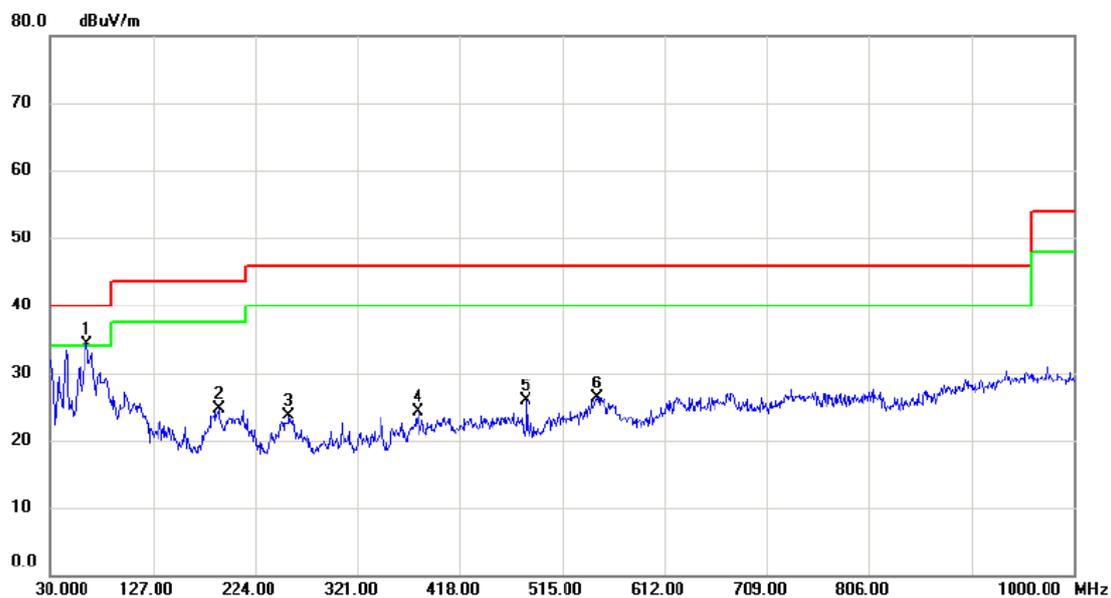
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 67.8300 | 40.44 | -14.46 | 25.98 | 40.00 | -14.02 | peak | |
| 2 | | 113.4200 | 37.80 | -13.38 | 24.42 | 43.50 | -19.08 | peak | |
| 3 | | 266.6800 | 38.46 | -12.07 | 26.39 | 46.00 | -19.61 | peak | |
| 4 | | 412.1800 | 30.19 | -6.92 | 23.27 | 46.00 | -22.73 | peak | |
| 5 | | 540.2200 | 29.31 | -5.17 | 24.14 | 46.00 | -21.86 | peak | |
| 6 | | 676.9900 | 28.37 | -1.55 | 26.82 | 46.00 | -19.18 | peak | |

Test Mode: TX 2480MHz_CH78_1Mbps_Secondary Supply_Adapter: Acbel_PCB V1.0

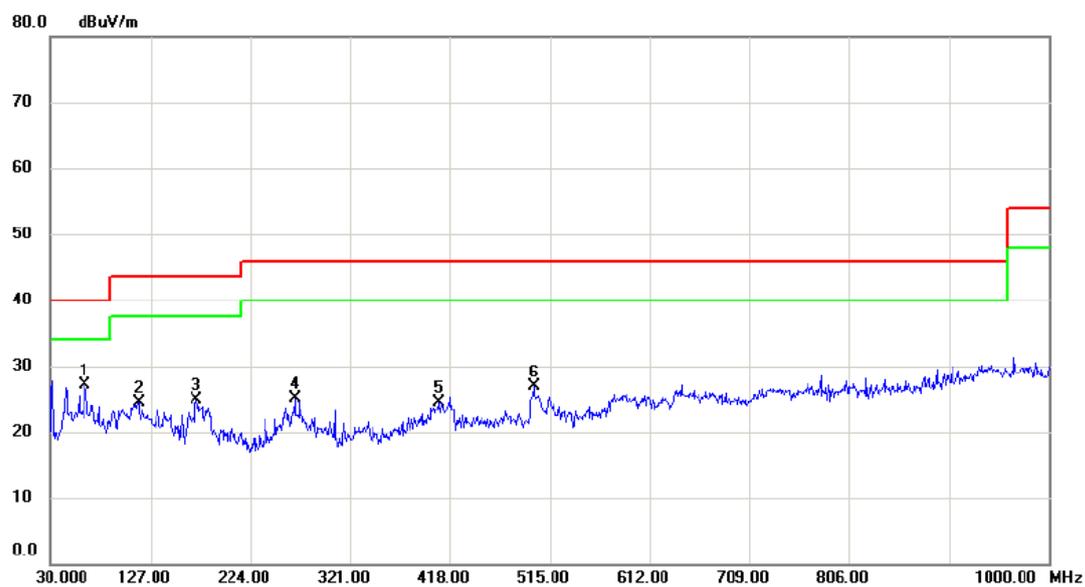
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 63.9500 | 48.21 | -13.96 | 34.25 | 40.00 | -5.75 | peak | |
| 2 | | 189.0800 | 37.59 | -12.85 | 24.74 | 43.50 | -18.76 | peak | |
| 3 | | 256.0100 | 36.37 | -12.65 | 23.72 | 46.00 | -22.28 | peak | |
| 4 | | 378.2300 | 32.81 | -8.42 | 24.39 | 46.00 | -21.61 | peak | |
| 5 | | 481.0500 | 32.71 | -6.82 | 25.89 | 46.00 | -20.11 | peak | |
| 6 | | 547.9800 | 31.14 | -4.74 | 26.40 | 46.00 | -19.60 | peak | |

Test Mode: TX 2480MHz_CH78_1Mbps_Secondary Supply_Adapter: Acbel_PCB V1.0

Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 62.9800 | 41.00 | -13.89 | 27.11 | 40.00 | -12.89 | peak | |
| 2 | | 115.3600 | 37.61 | -13.14 | 24.47 | 43.50 | -19.03 | peak | |
| 3 | | 171.6200 | 36.00 | -11.17 | 24.83 | 43.50 | -18.67 | peak | |
| 4 | | 266.6800 | 37.12 | -12.07 | 25.05 | 46.00 | -20.95 | peak | |
| 5 | | 406.3600 | 31.68 | -7.09 | 24.59 | 46.00 | -21.41 | peak | |
| 6 | | 499.4800 | 34.26 | -7.37 | 26.89 | 46.00 | -19.11 | peak | |

Test Mode: TX 2402MHz_CH00_1Mbps_Main Supply_Adapter:Huntkey_PCB V2.0

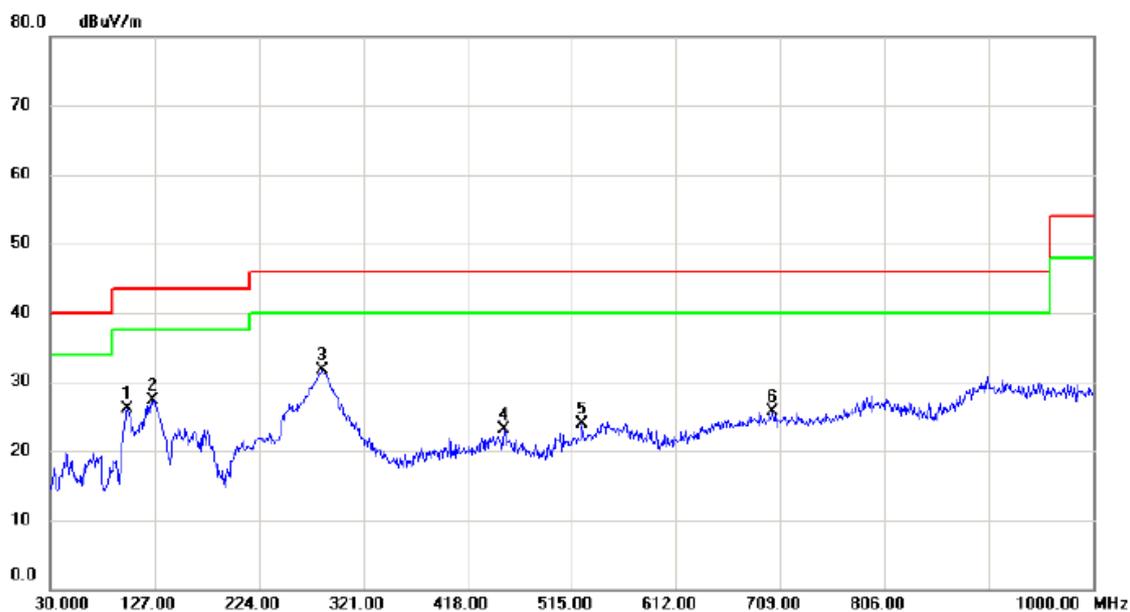
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 44.5500 | 47.86 | -13.42 | 34.44 | 40.00 | -5.56 | QP | |
| 2 | | 99.8400 | 43.99 | -16.01 | 27.98 | 43.50 | -15.52 | peak | |
| 3 | | 251.1600 | 39.98 | -14.31 | 25.67 | 46.00 | -20.33 | peak | |
| 4 | | 358.8300 | 34.54 | -10.98 | 23.56 | 46.00 | -22.44 | peak | |
| 5 | | 552.8300 | 31.14 | -5.29 | 25.85 | 46.00 | -20.15 | peak | |
| 6 | | 689.6000 | 31.06 | -4.38 | 26.68 | 46.00 | -19.32 | peak | |

Test Mode: TX 2402MHz _CH00_1Mbps_Main Supply_Adapter:Huntkey_PCB V2.0

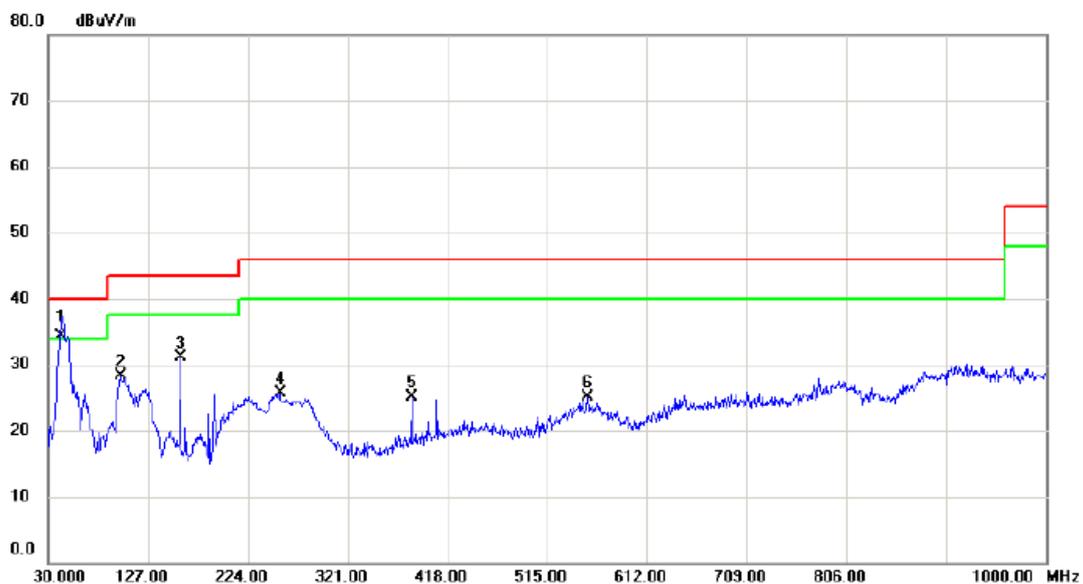
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 101.7800 | 41.97 | -15.88 | 26.09 | 43.50 | -17.41 | peak | |
| 2 | | 125.0600 | 40.93 | -13.54 | 27.39 | 43.50 | -16.11 | peak | |
| 3 | * | 283.1700 | 43.55 | -11.85 | 31.70 | 46.00 | -14.30 | peak | |
| 4 | | 451.9500 | 31.31 | -8.13 | 23.18 | 46.00 | -22.82 | peak | |
| 5 | | 524.7000 | 31.55 | -7.60 | 23.95 | 46.00 | -22.05 | peak | |
| 6 | | 702.2100 | 30.00 | -4.22 | 25.78 | 46.00 | -20.22 | peak | |

Test Mode: TX 2441MHz_CH39_1Mbps_Main Supply_Adapter:Huntkey_PCB V2.0

Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 42.6100 | 47.88 | -13.62 | 34.26 | 40.00 | -5.74 | QP | |
| 2 | | 99.8400 | 44.40 | -16.01 | 28.39 | 43.50 | -15.11 | peak | |
| 3 | | 158.0400 | 43.60 | -12.54 | 31.06 | 43.50 | -12.44 | peak | |
| 4 | | 255.0400 | 40.10 | -14.33 | 25.77 | 46.00 | -20.23 | peak | |
| 5 | | 383.0800 | 35.09 | -10.01 | 25.08 | 46.00 | -20.92 | peak | |
| 6 | | 554.7700 | 30.42 | -5.40 | 25.02 | 46.00 | -20.98 | peak | |

Test Mode: TX 2441MHz_CH39_1Mbps_Main Supply_Adapter:Huntkey_PCB V2.0

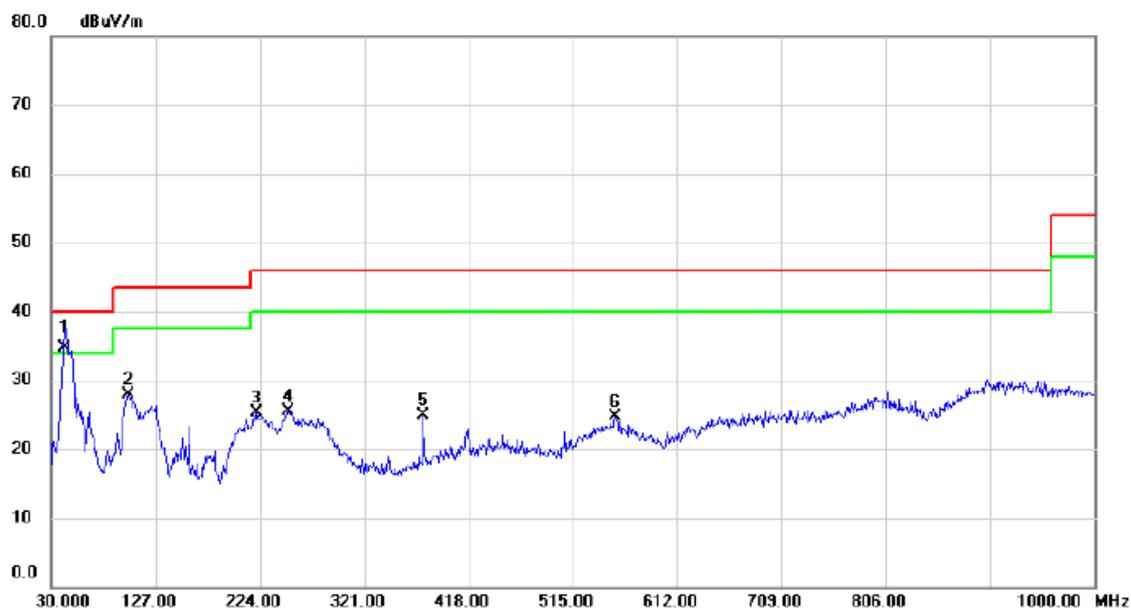
Horizontal



| No. Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|---------|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | 99.8400 | 42.11 | -16.01 | 26.10 | 43.50 | -17.40 | peak | |
| 2 | 127.0000 | 40.10 | -13.36 | 26.74 | 43.50 | -16.76 | peak | |
| 3 * | 281.2300 | 42.03 | -12.08 | 29.95 | 46.00 | -16.05 | peak | |
| 4 | 441.2800 | 30.58 | -8.27 | 22.31 | 46.00 | -23.69 | peak | |
| 5 | 545.0700 | 30.54 | -5.62 | 24.92 | 46.00 | -21.08 | peak | |
| 6 | 696.3900 | 30.28 | -4.26 | 26.02 | 46.00 | -19.98 | peak | |

Test Mode: TX 2480MHz _CH78_ 1Mbps _Main Supply_ Adapter:Huntkey_PCB V2.0

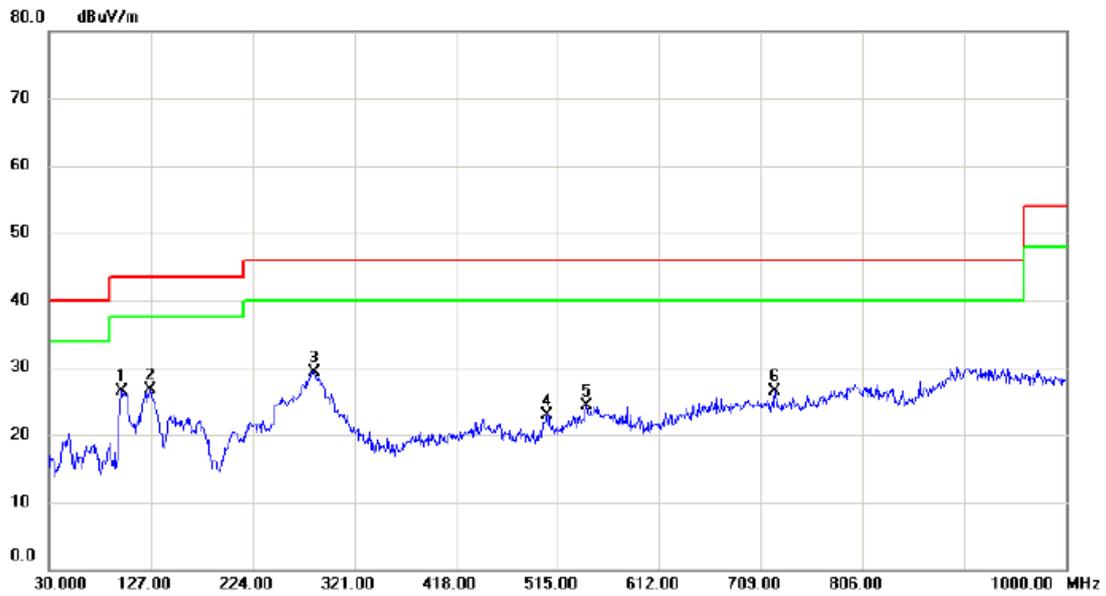
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 42.6100 | 48.32 | -13.62 | 34.70 | 40.00 | -5.30 | QP | |
| 2 | | 101.7800 | 43.77 | -15.88 | 27.89 | 43.50 | -15.61 | peak | |
| 3 | | 221.0900 | 39.62 | -14.31 | 25.31 | 46.00 | -20.69 | peak | |
| 4 | | 250.1900 | 39.84 | -14.30 | 25.54 | 46.00 | -20.46 | peak | |
| 5 | | 376.2900 | 35.12 | -10.28 | 24.84 | 46.00 | -21.16 | peak | |
| 6 | | 554.7700 | 30.19 | -5.40 | 24.79 | 46.00 | -21.21 | peak | |

Test Mode: TX 2480MHz _CH78_ 1Mbps _Main Supply_Adapter:Huntkey_PCB V2.0

Horizontal

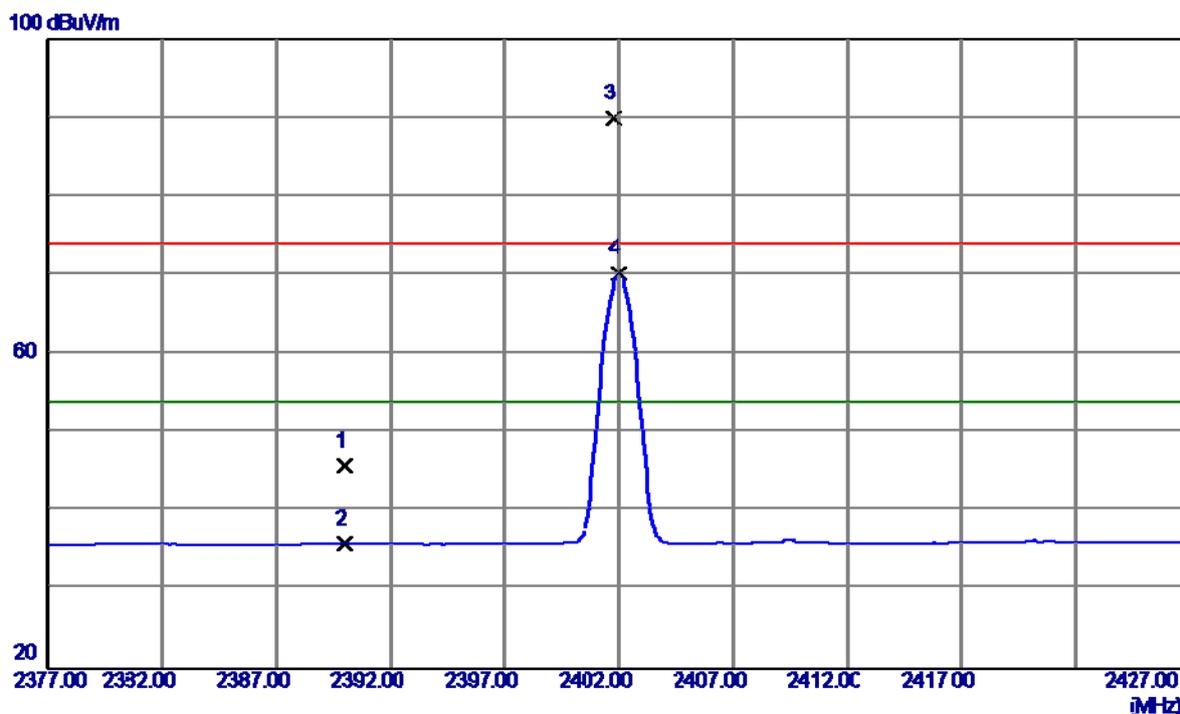


| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 98.8700 | 42.59 | -16.15 | 26.44 | 43.50 | -17.06 | peak | |
| 2 | | 126.0300 | 40.14 | -13.45 | 26.69 | 43.50 | -16.81 | peak | |
| 3 | * | 282.2000 | 41.31 | -11.96 | 29.35 | 46.00 | -16.65 | peak | |
| 4 | | 505.3000 | 32.48 | -9.48 | 23.00 | 46.00 | -23.00 | peak | |
| 5 | | 543.1300 | 30.04 | -5.81 | 24.23 | 46.00 | -21.77 | peak | |
| 6 | | 722.5800 | 30.94 | -4.38 | 26.56 | 46.00 | -19.44 | peak | |

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

Test Mode : TX 2402MHz_CH00_1Mbps

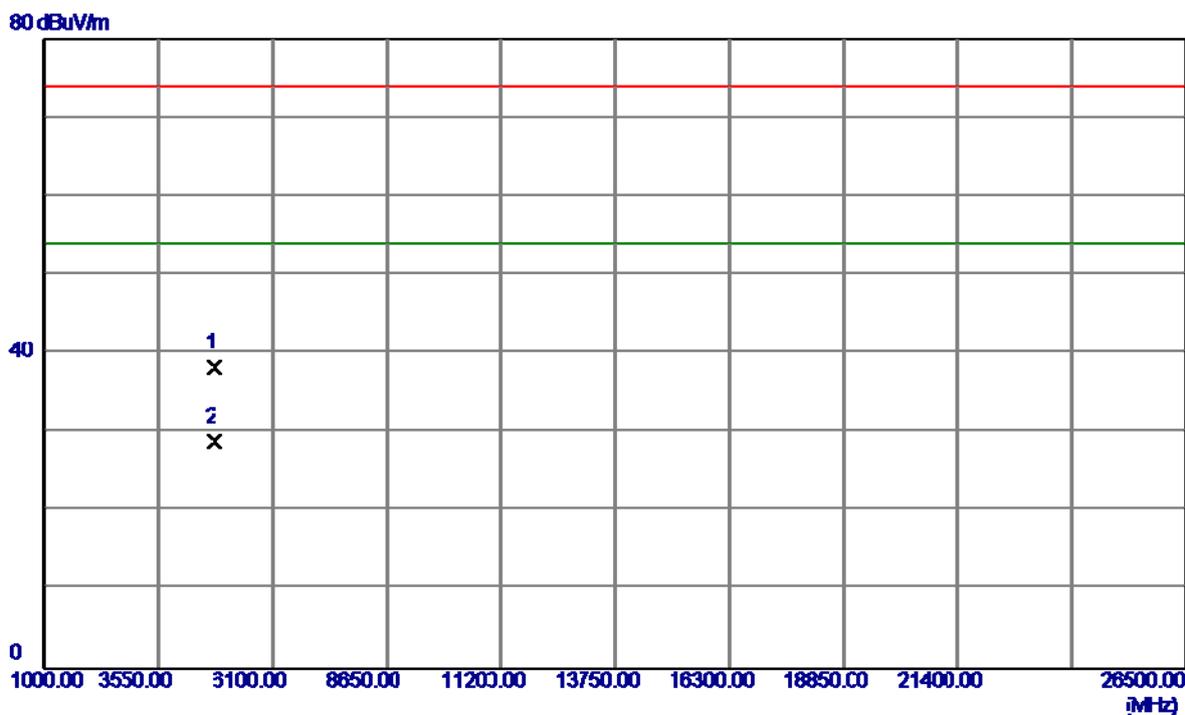
Vertical



| No. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|------------|----------|----------|
| 1 | 2390.0000 | 16.72 | 29.02 | 45.74 | 74.00 | -28.26 | Peak | |
| 2 | 2390.0000 | 6.82 | 29.02 | 35.84 | 54.00 | -18.16 | AVG | |
| 3 | 2401.8000 | 60.94 | 29.03 | 89.97 | 74.00 | 15.97 | Peak | NO LIMIT |
| 4 | 2402.0000 | 41.28 | 29.03 | 70.31 | 54.00 | 16.31 | AVG | NO LIMIT |

Test Mode : TX 2402MHz _CH00_1Mbps

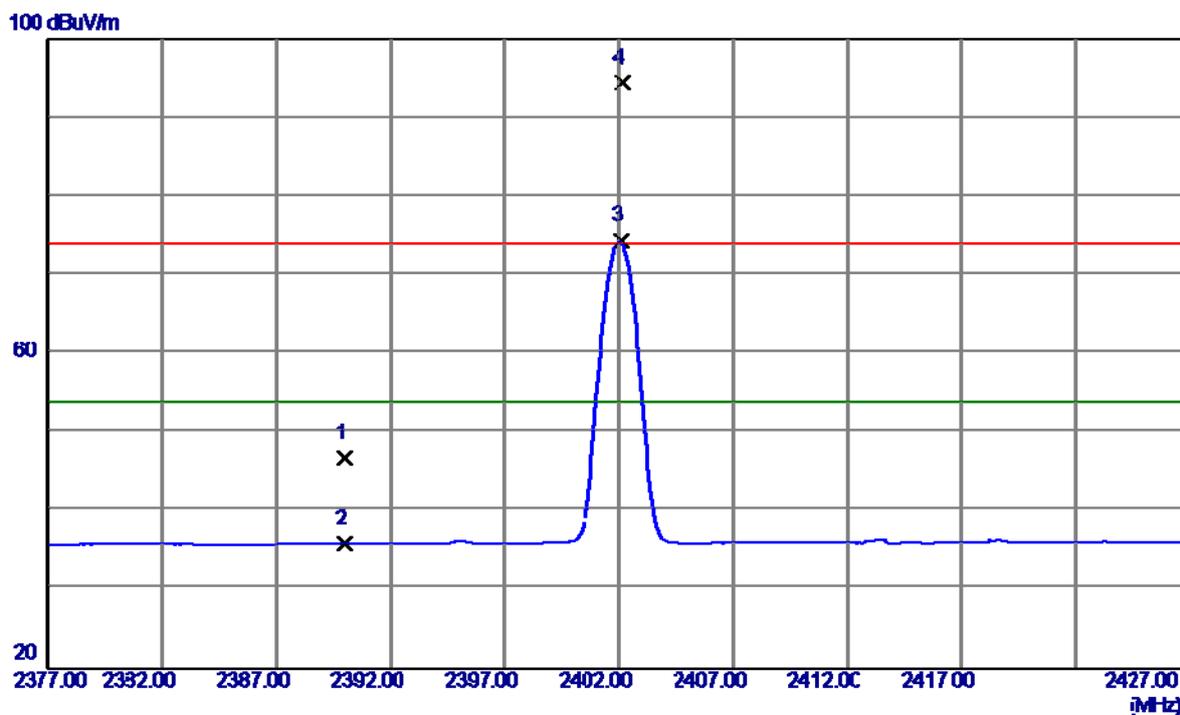
Vertical



| No. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|------------|----------|---------|
| 1 | 4803.9000 | 40.08 | -1.81 | 38.27 | 74.00 | -35.73 | Peak | |
| 2 | 4803.9700 | 30.67 | -1.81 | 28.86 | 54.00 | -25.14 | AVG | |

Test Mode : TX 2402MHz _CH00_1Mbps

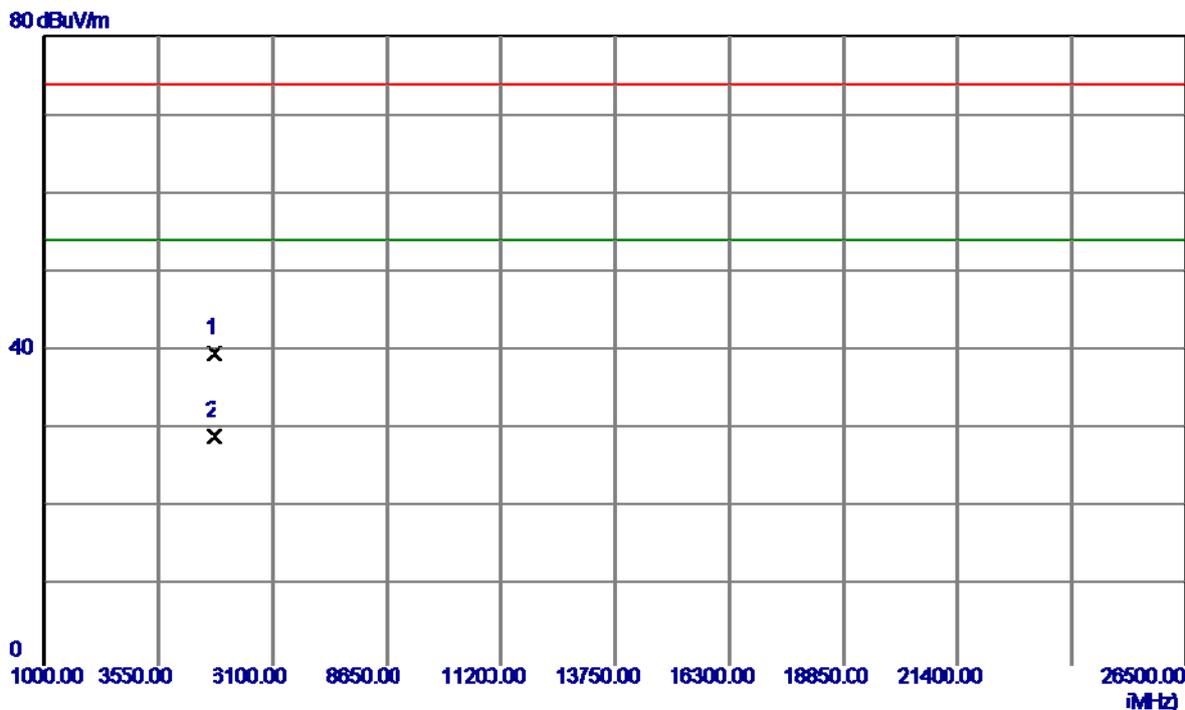
Horizontal



| No. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|------------|----------|----------|
| 1 | 2390.0000 | 17.67 | 29.02 | 46.69 | 74.00 | -27.31 | Peak | |
| 2 | 2390.0000 | 6.81 | 29.02 | 35.83 | 54.00 | -18.17 | AVG | |
| 3 | 2402.1000 | 45.32 | 29.03 | 74.35 | 54.00 | 20.35 | AVG | NO LIMIT |
| 4 | 2402.1500 | 65.36 | 29.03 | 94.39 | 74.00 | 20.39 | Peak | NO LIMIT |

Test Mode : TX 2402MHz _CH00_1Mbps

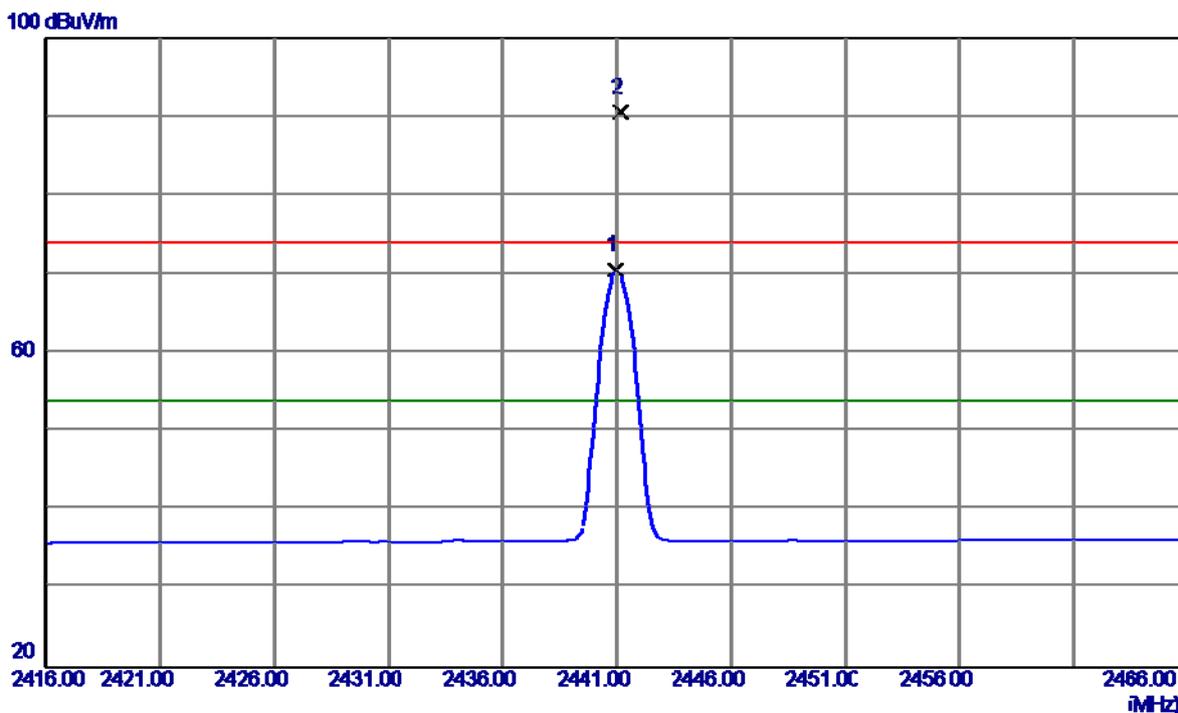
Horizontal



| No. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|------------|----------|---------|
| 1 | 4803.9000 | 41.45 | -1.81 | 39.64 | 74.00 | -34.36 | Peak | |
| 2 | 4803.9900 | 30.88 | -1.81 | 29.07 | 54.00 | -24.93 | AVG | |

Test Mode : TX 2441MHz _CH39_ 1Mbps

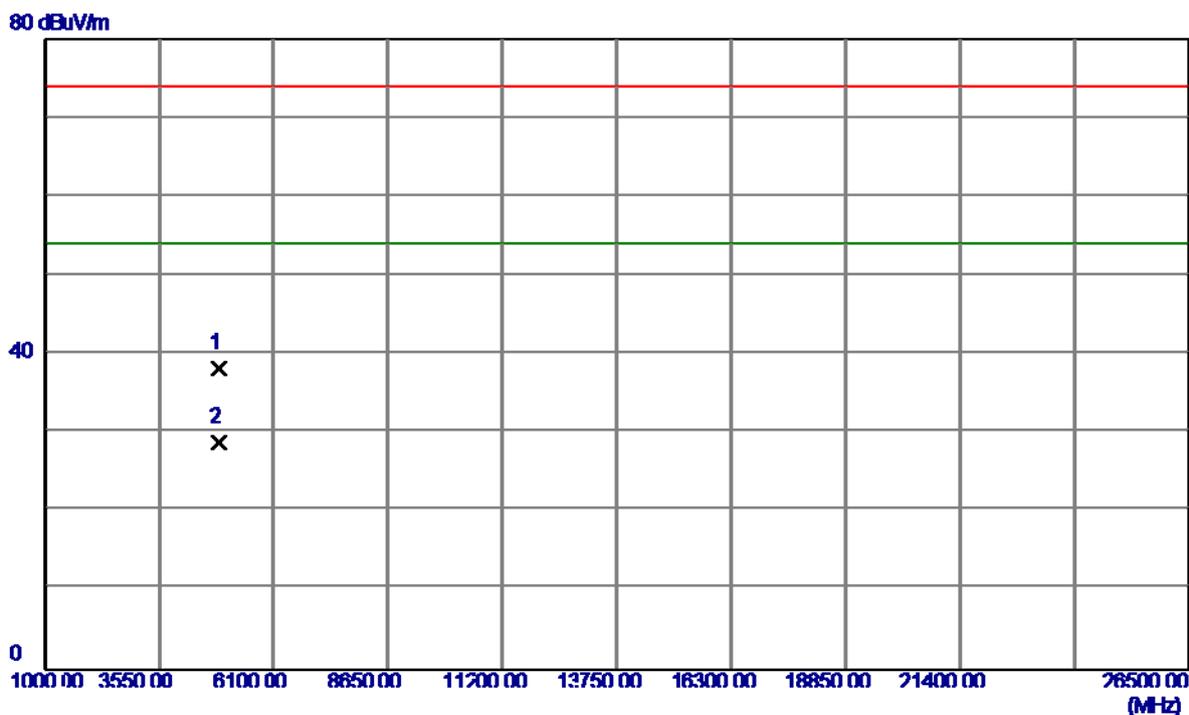
Vertical



| No. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|------------|----------|----------|
| 1 | 2440.9500 | 41.47 | 29.08 | 70.55 | 54.00 | 16.55 | AVG | NO LIMIT |
| 2 | 2441.1500 | 61.49 | 29.08 | 90.57 | 74.00 | 16.57 | Peak | NO LIMIT |

Test Mode : TX 2441MHz _CH39_1Mbps

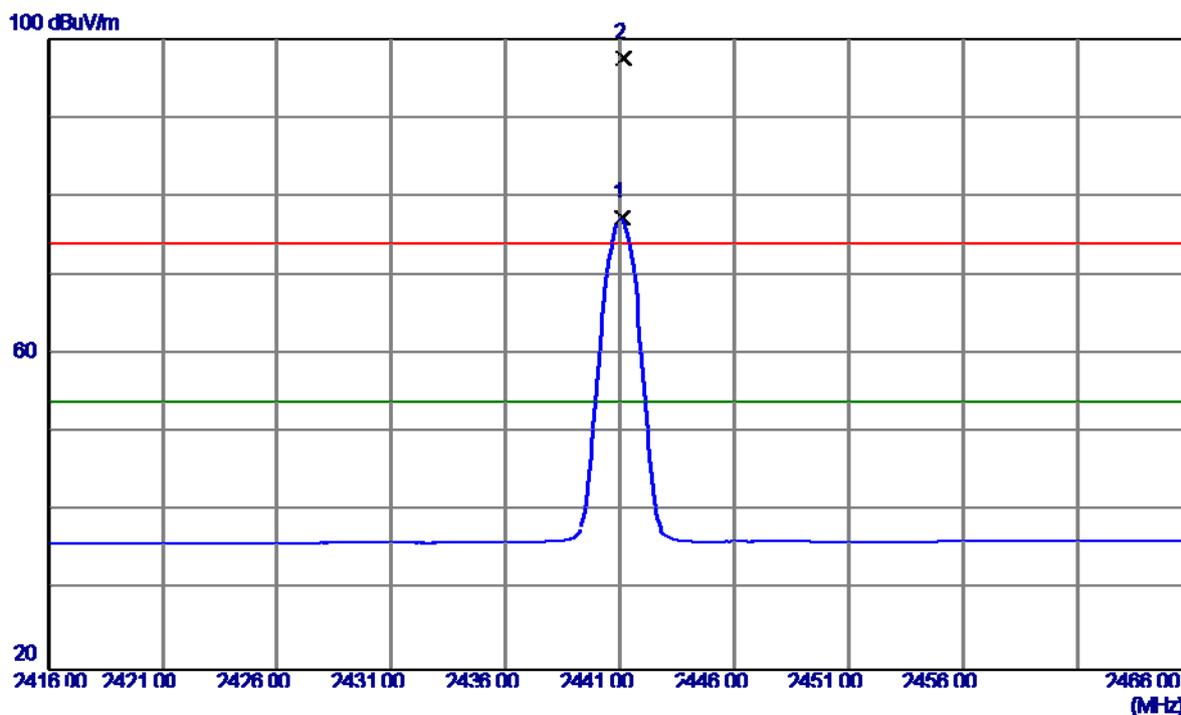
Vertical



| No. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|------------|----------|---------|
| 1 | 4882.0600 | 39.97 | -1.70 | 38.27 | 74.00 | -35.73 | Peak | |
| 2 | 4881.9800 | 30.56 | -1.70 | 28.86 | 54.00 | -25.14 | AVG | |

Test Mode : TX 2441MHz _CH39_1Mbps

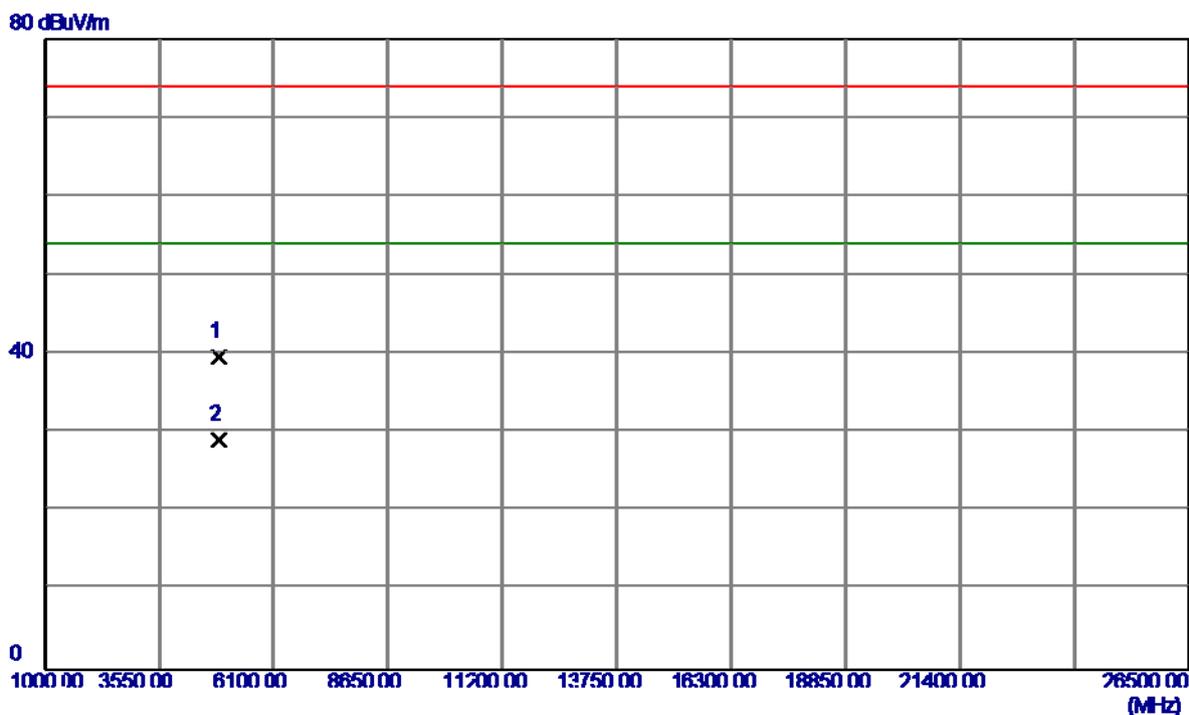
Horizontal



| No. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|------------|----------|----------|
| 1 | 2441.1000 | 48.24 | 29.08 | 77.32 | 54.00 | 23.32 | AVG | NO LIMIT |
| 2 | 2441.1500 | 68.51 | 29.08 | 97.59 | 74.00 | 23.59 | Peak | NO LIMIT |

Test Mode : TX 2441MHz _CH39_1Mbps

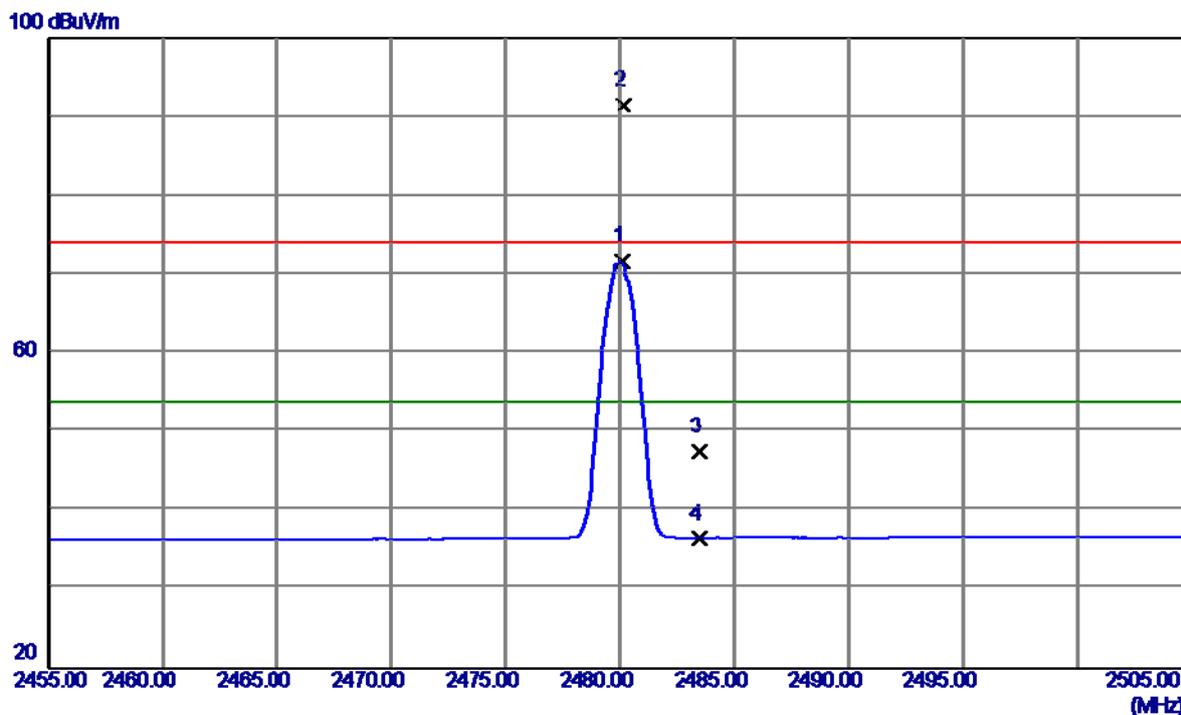
Horizontal



| No. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|------------|----------|---------|
| 1 | 4882.1080 | 41.34 | -1.70 | 39.64 | 74.00 | -34.36 | Peak | |
| 2 | 4882.0810 | 30.77 | -1.70 | 29.07 | 54.00 | -24.93 | AVG | |

Test Mode : TX 2480MHz _CH78_ 1Mbps

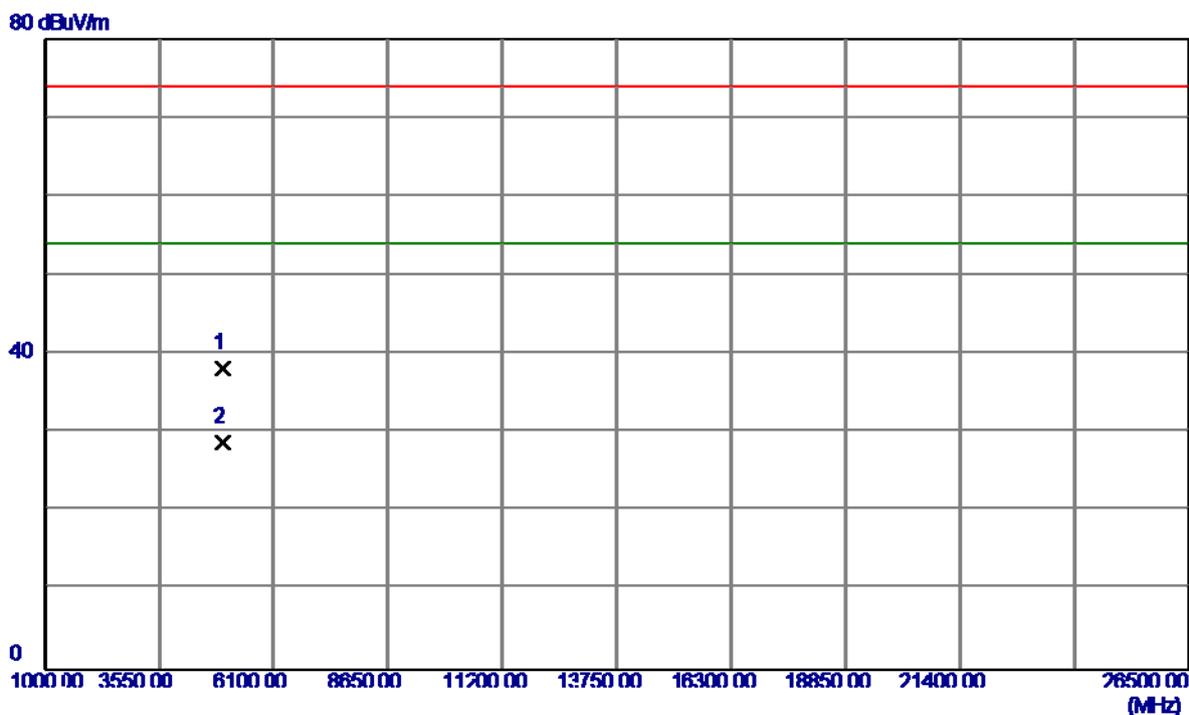
Vertical



| No. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|------------|----------|----------|
| 1 | 2480.1000 | 42.50 | 29.13 | 71.63 | 54.00 | 17.63 | AVG | NO LIMIT |
| 2 | 2480.1500 | 62.39 | 29.13 | 91.52 | 74.00 | 17.52 | Peak | NO LIMIT |
| 3 | 2483.5000 | 18.45 | 29.14 | 47.59 | 74.00 | -26.41 | Peak | |
| 4 | 2483.5000 | 7.41 | 29.14 | 36.55 | 54.00 | -17.45 | AVG | |

Test Mode : TX 2480MHz _CH78_1Mbps

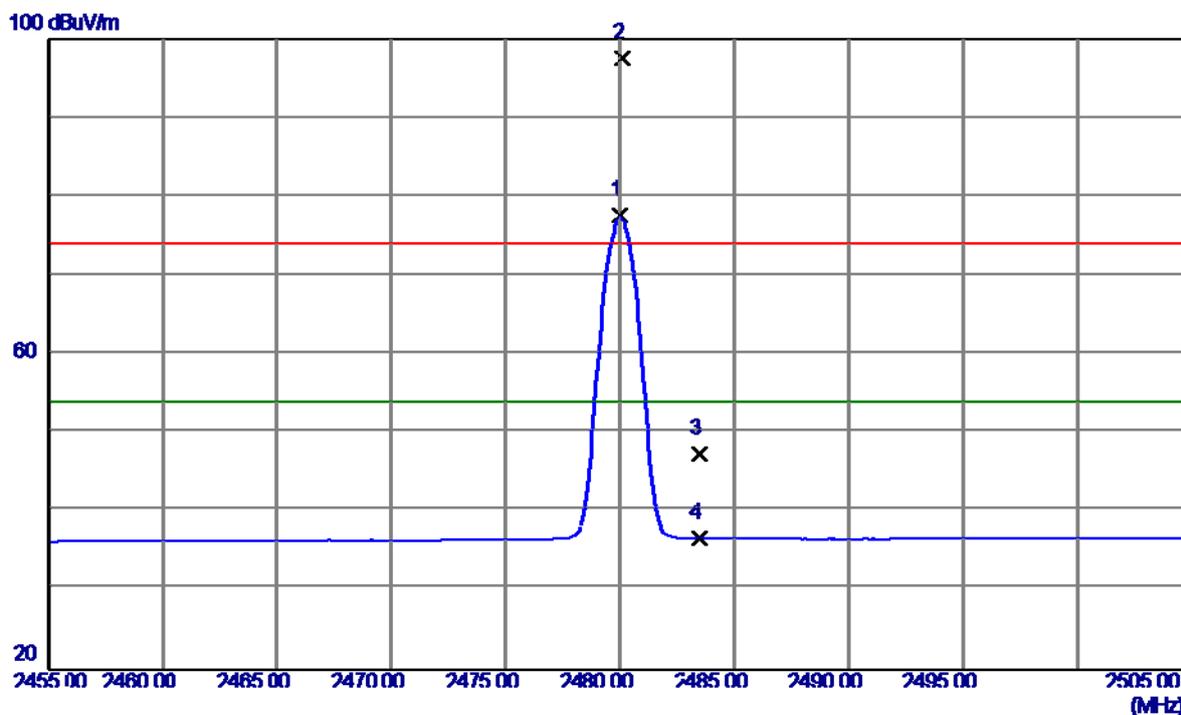
Vertical



| No. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|------------|----------|---------|
| 1 | 4960.0000 | 39.87 | -1.60 | 38.27 | 74.00 | -35.73 | Peak | |
| 2 | 4960.0800 | 30.46 | -1.60 | 28.86 | 54.00 | -25.14 | AVG | |

Test Mode : TX 2480MHz _CH78_1Mbps

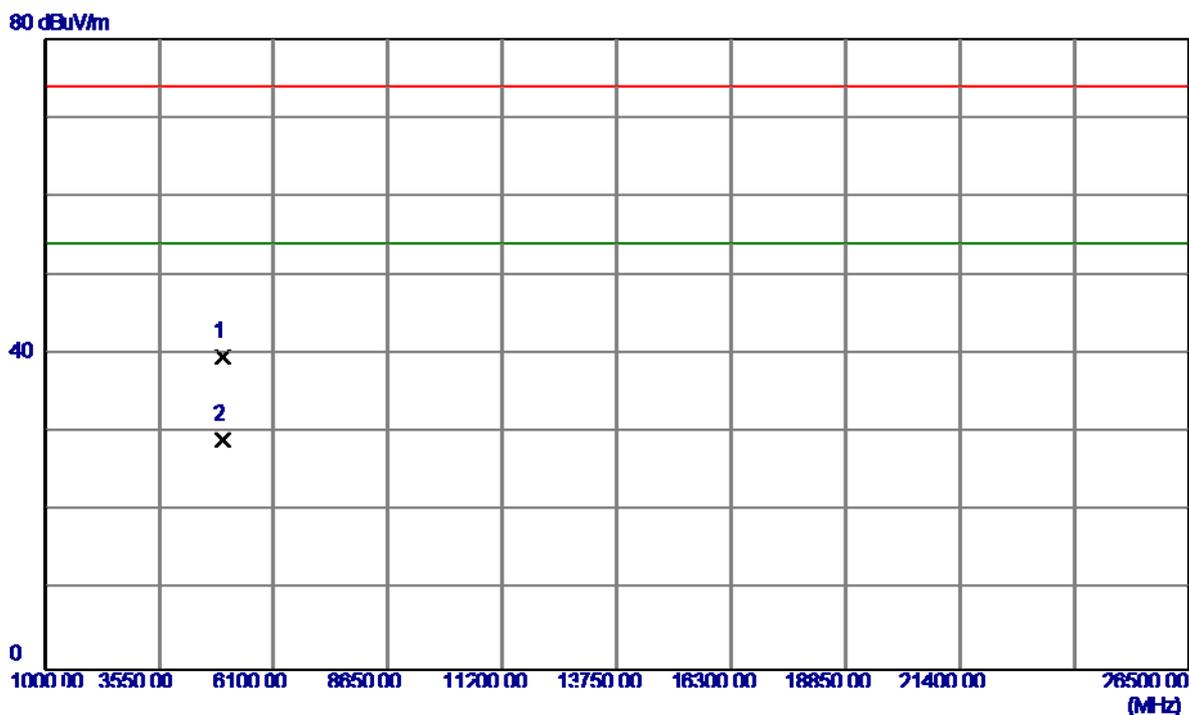
Horizontal



| No. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|------------|----------|----------|
| 1 | 2480.0000 | 48.41 | 29.13 | 77.54 | 54.00 | 23.54 | AVG | NO LIMIT |
| 2 | 2480.1200 | 68.49 | 29.13 | 97.62 | 74.00 | 23.62 | Peak | NO LIMIT |
| 3 | 2483.5000 | 18.15 | 29.14 | 47.29 | 74.00 | -26.71 | Peak | |
| 4 | 2483.5000 | 7.43 | 29.14 | 36.57 | 54.00 | -17.43 | AVG | |

Test Mode : TX 2480MHz _CH78_1Mbps

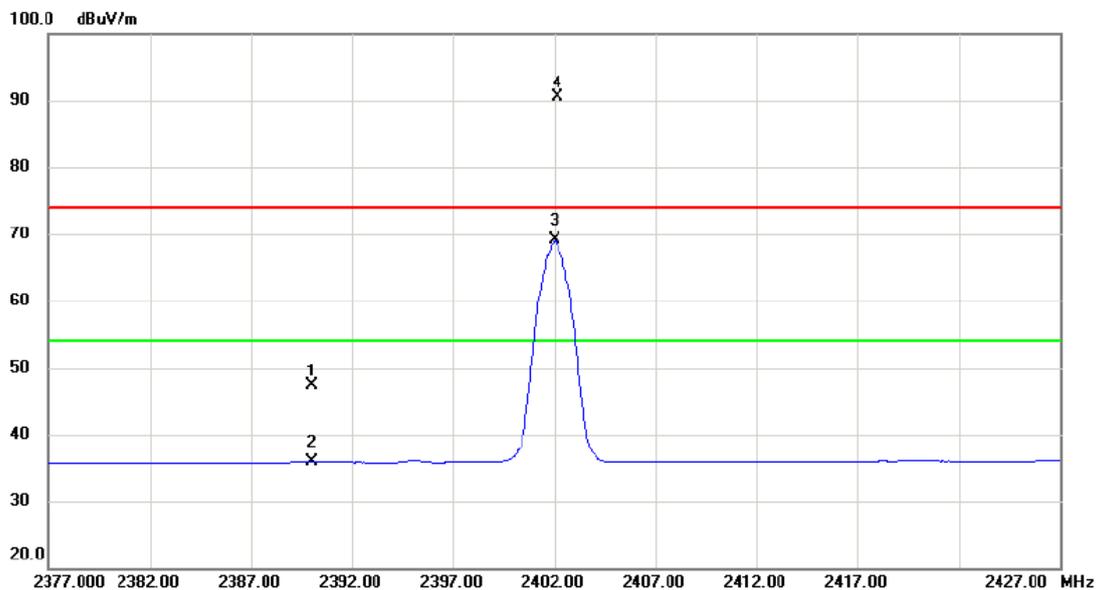
Horizontal



| No. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|------------|----------|---------|
| 1 | 4959.8100 | 41.24 | -1.60 | 39.64 | 74.00 | -34.36 | Peak | |
| 2 | 4960.0430 | 30.67 | -1.60 | 29.07 | 54.00 | -24.93 | AVG | |

Test Mode : TX 2402MHz _CH00_3Mbps

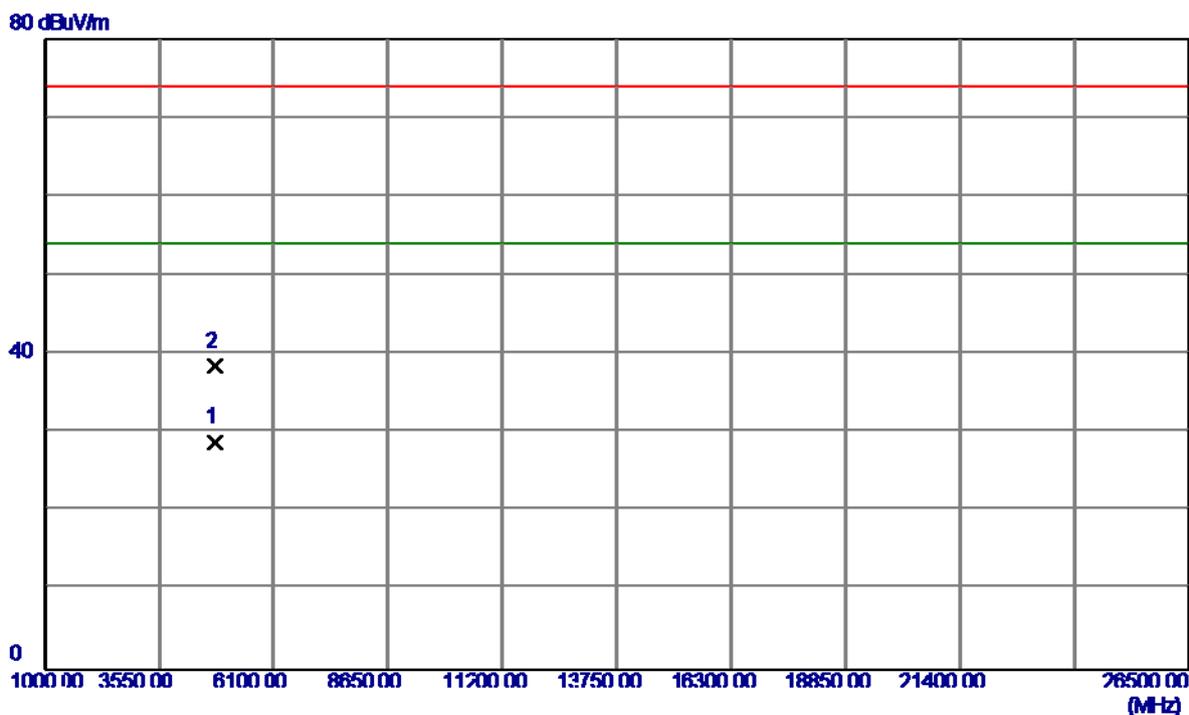
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1 | | 2390.000 | 13.08 | 34.23 | 47.31 | 74.00 | -26.69 | peak | |
| 2 | | 2390.000 | 1.61 | 34.23 | 35.84 | 54.00 | -18.16 | AVG | |
| 3 | X | 2402.000 | 34.87 | 34.30 | 69.17 | 54.00 | 15.17 | AVG | NO LIMIT |
| 4 | * | 2402.150 | 56.26 | 34.30 | 90.56 | 74.00 | 16.56 | peak | NO LIMIT |

Test Mode : TX 2402MHz _CH00_3Mbps

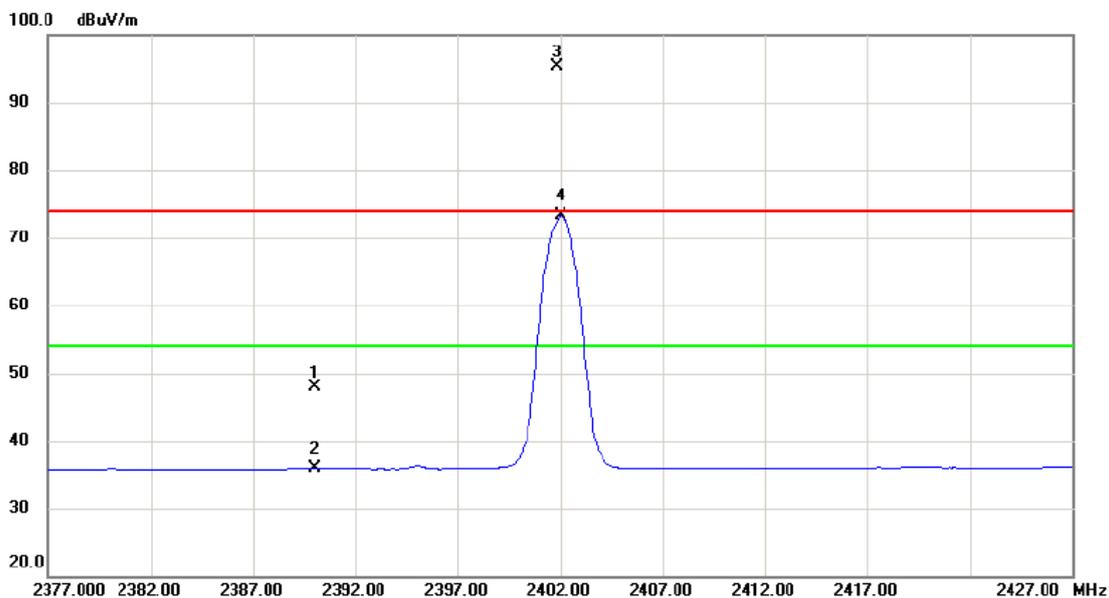
Vertical



| No. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|------------|----------|---------|
| 1 | 4803.9200 | 30.66 | -1.81 | 28.85 | 54.00 | -25.15 | AVG | |
| 2 | 4804.1400 | 40.29 | -1.81 | 38.48 | 74.00 | -35.52 | Peak | |

Test Mode : TX 2402MHz _CH00_3Mbps

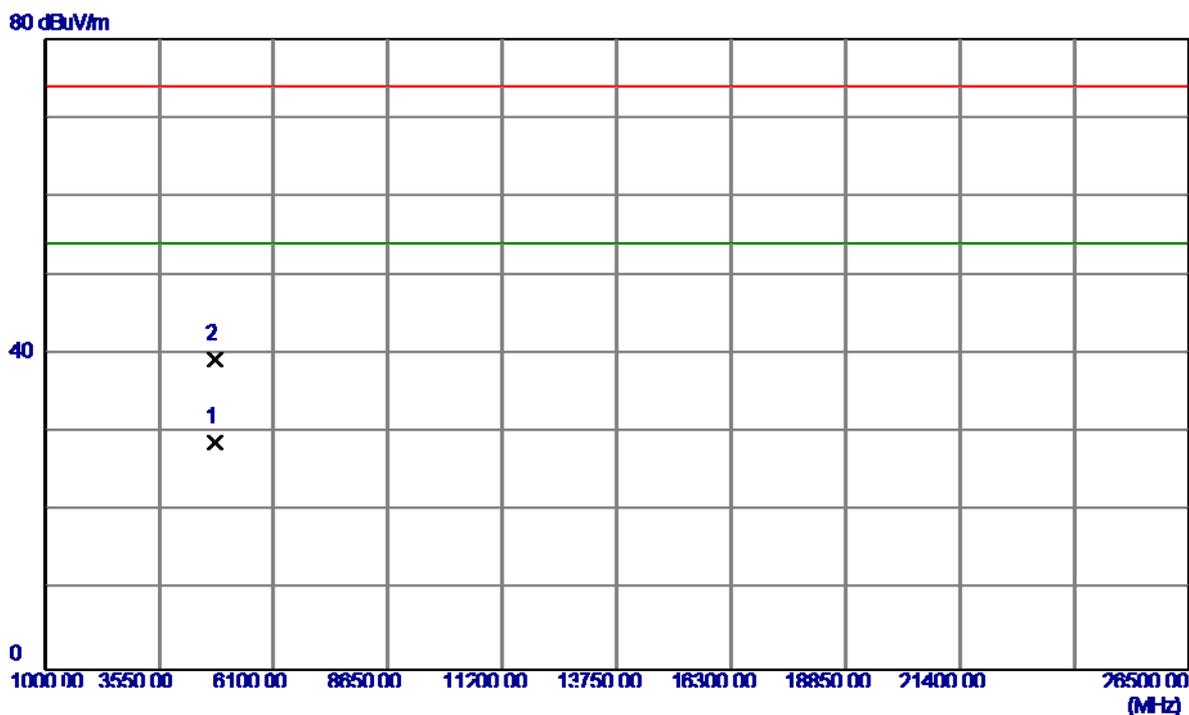
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1 | | 2390.000 | 13.72 | 34.23 | 47.95 | 74.00 | -26.05 | peak | |
| 2 | | 2390.000 | 1.61 | 34.23 | 35.84 | 54.00 | -18.16 | AVG | |
| 3 | * | 2401.800 | 61.01 | 34.30 | 95.31 | 74.00 | 21.31 | peak | NO LIMIT |
| 4 | X | 2402.000 | 38.95 | 34.30 | 73.25 | 54.00 | 19.25 | AVG | NO LIMIT |

Test Mode : TX 2402MHz _CH00_3Mbps

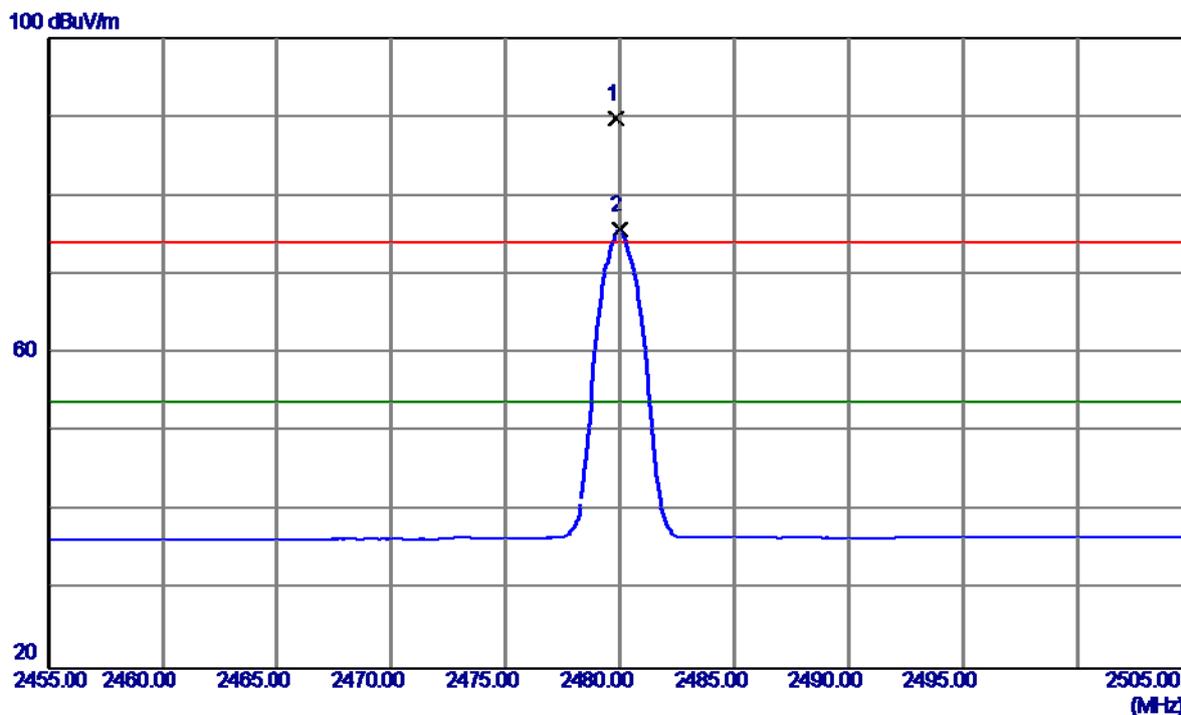
Horizontal



| No. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|------------|----------|---------|
| 1 | 4803.9000 | 30.56 | -1.81 | 28.75 | 54.00 | -25.25 | AVG | |
| 2 | 4804.0000 | 41.15 | -1.81 | 39.34 | 74.00 | -34.66 | Peak | |

Test Mode : TX 2441MHz _CH39_3Mbps

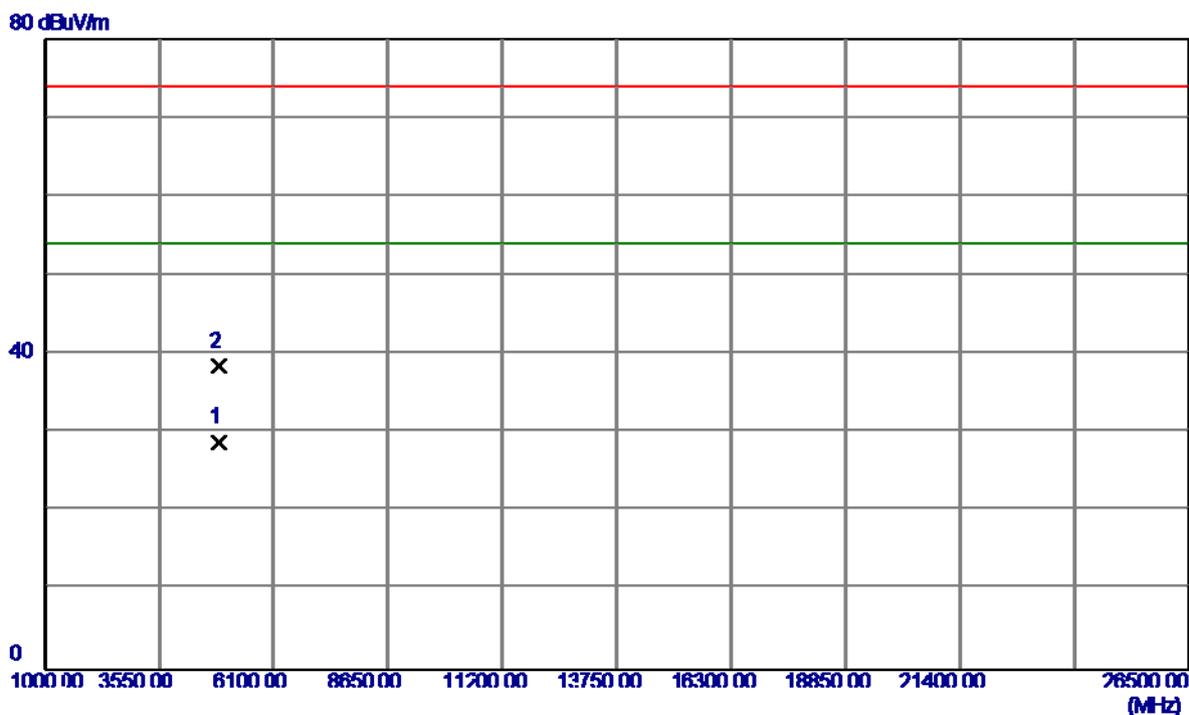
Vertical



| No. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|------------|----------|----------|
| 1 | 2479.8500 | 60.69 | 29.13 | 89.82 | 74.00 | 15.82 | Peak | NO LIMIT |
| 2 | 2480.0000 | 46.62 | 29.13 | 75.75 | 54.00 | 21.75 | AVG | NO LIMIT |

Test Mode : TX 2441MHz _CH39_3Mbps

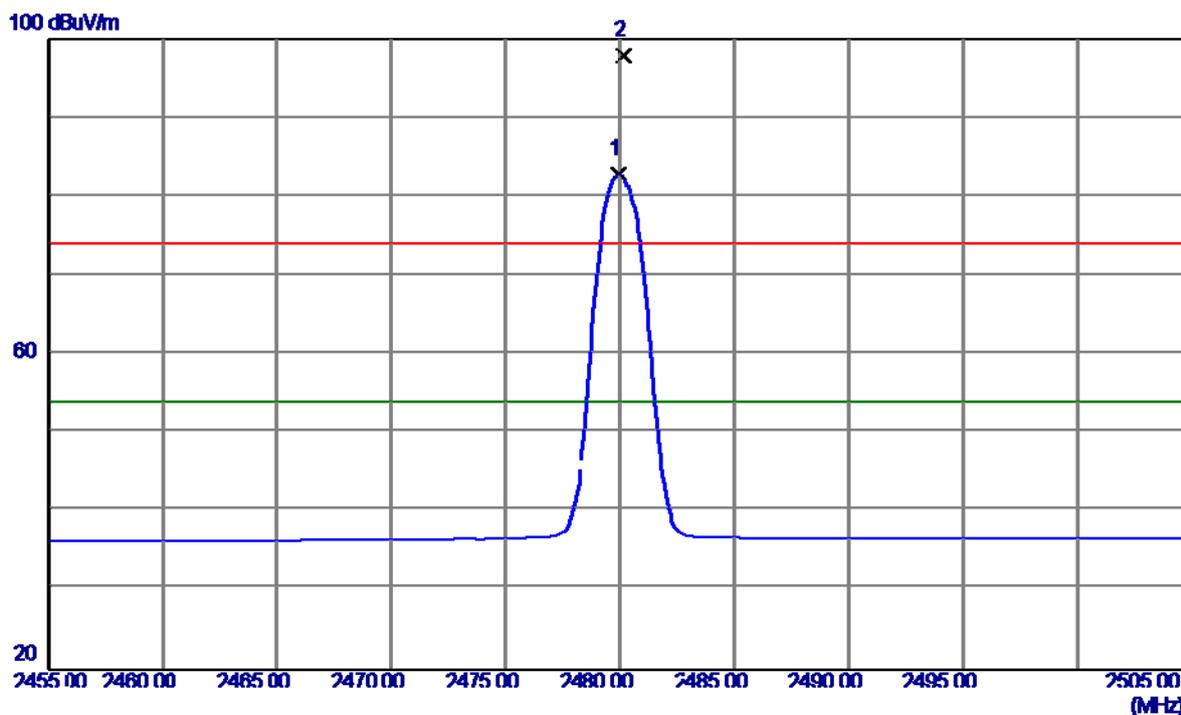
Vertical



| No. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|------------|----------|---------|
| 1 | 4882.0099 | 30.55 | -1.70 | 28.85 | 54.00 | -25.15 | AVG | |
| 2 | 4882.1080 | 40.18 | -1.70 | 38.48 | 74.00 | -35.52 | Peak | |

Test Mode : TX 2441MHz _CH39_3Mbps

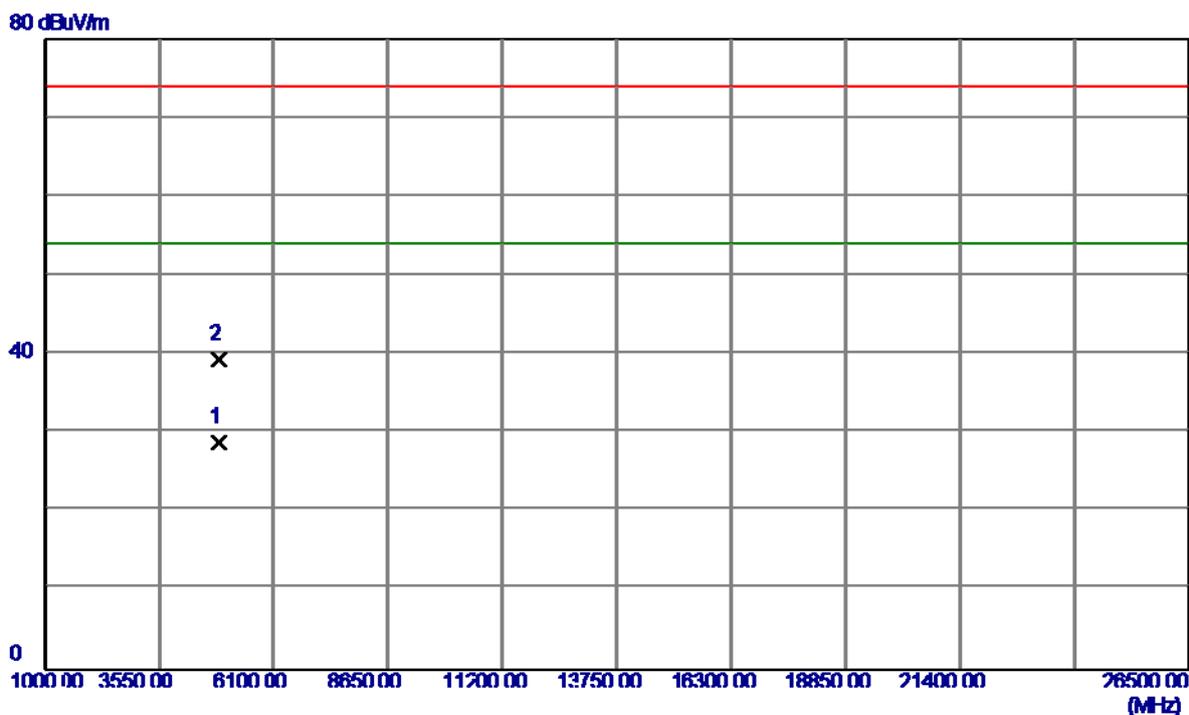
Horizontal



| No. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|------------|----------|----------|
| 1 | 2479.9500 | 53.73 | 29.13 | 82.86 | 54.00 | 28.86 | AVG | NO LIMIT |
| 2 | 2480.1500 | 68.78 | 29.13 | 97.91 | 74.00 | 23.91 | Peak | NO LIMIT |

Test Mode : TX 2441MHz _CH39_3Mbps

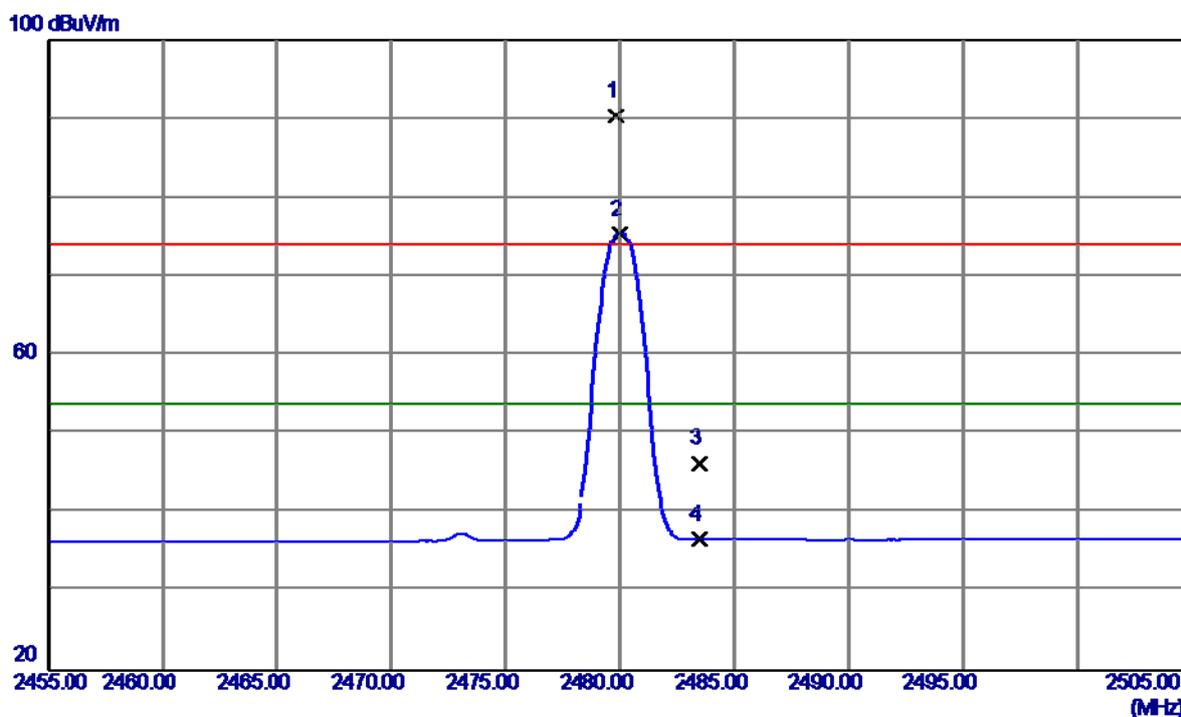
Horizontal



| No. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|------------|----------|---------|
| 1 | 4882.0299 | 30.45 | -1.70 | 28.75 | 54.00 | -25.25 | AVG | |
| 2 | 4882.0900 | 41.04 | -1.70 | 39.34 | 74.00 | -34.66 | Peak | |

Test Mode : TX 2480MHz _CH78_3Mbps

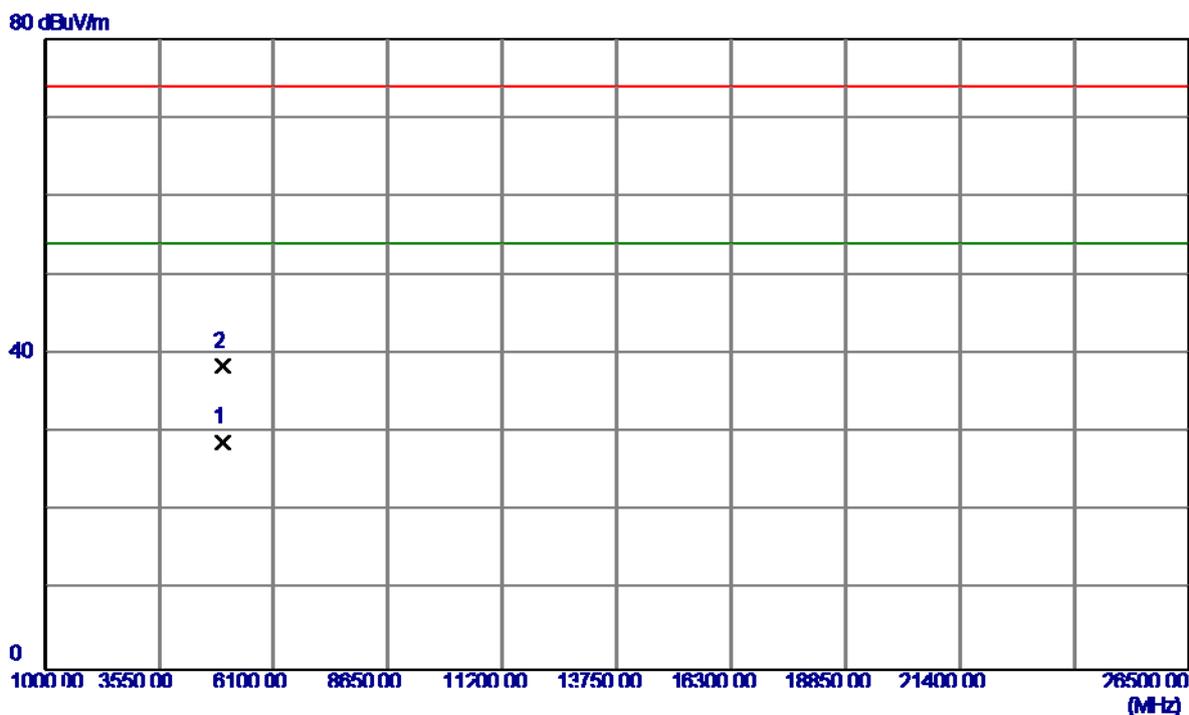
Vertical



| No. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|------------|----------|----------|
| 1 | 2479.8500 | 61.34 | 29.13 | 90.47 | 74.00 | 16.47 | Peak | NO LIMIT |
| 2 | 2480.0000 | 46.30 | 29.13 | 75.43 | 54.00 | 21.43 | AVG | NO LIMIT |
| 3 | 2483.5000 | 17.17 | 29.14 | 46.31 | 74.00 | -27.69 | Peak | |
| 4 | 2483.5000 | 7.44 | 29.14 | 36.58 | 54.00 | -17.42 | AVG | |

Test Mode : TX 2480MHz _CH78_3Mbps

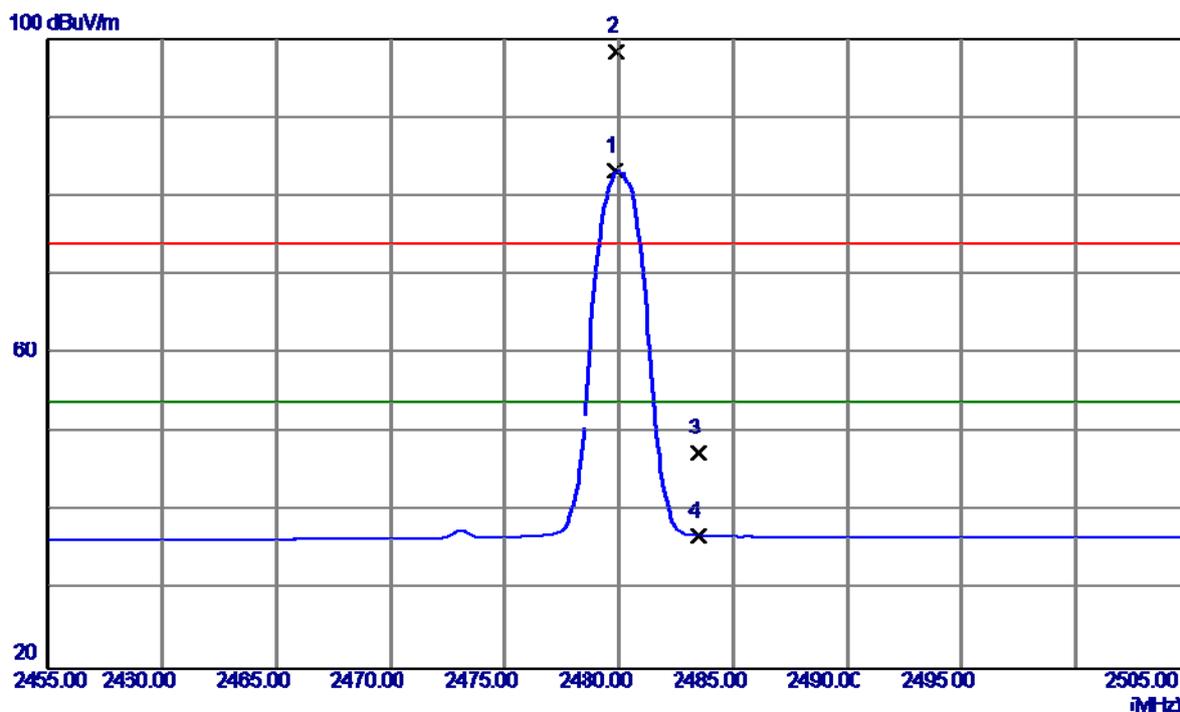
Vertical



| No. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|------------|----------|---------|
| 1 | 4960.0500 | 30.45 | -1.60 | 28.85 | 54.00 | -25.15 | AVG | |
| 2 | 4960.0000 | 40.08 | -1.60 | 38.48 | 74.00 | -35.52 | Peak | |

Test Mode : TX 2480MHz _CH78_3Mbps

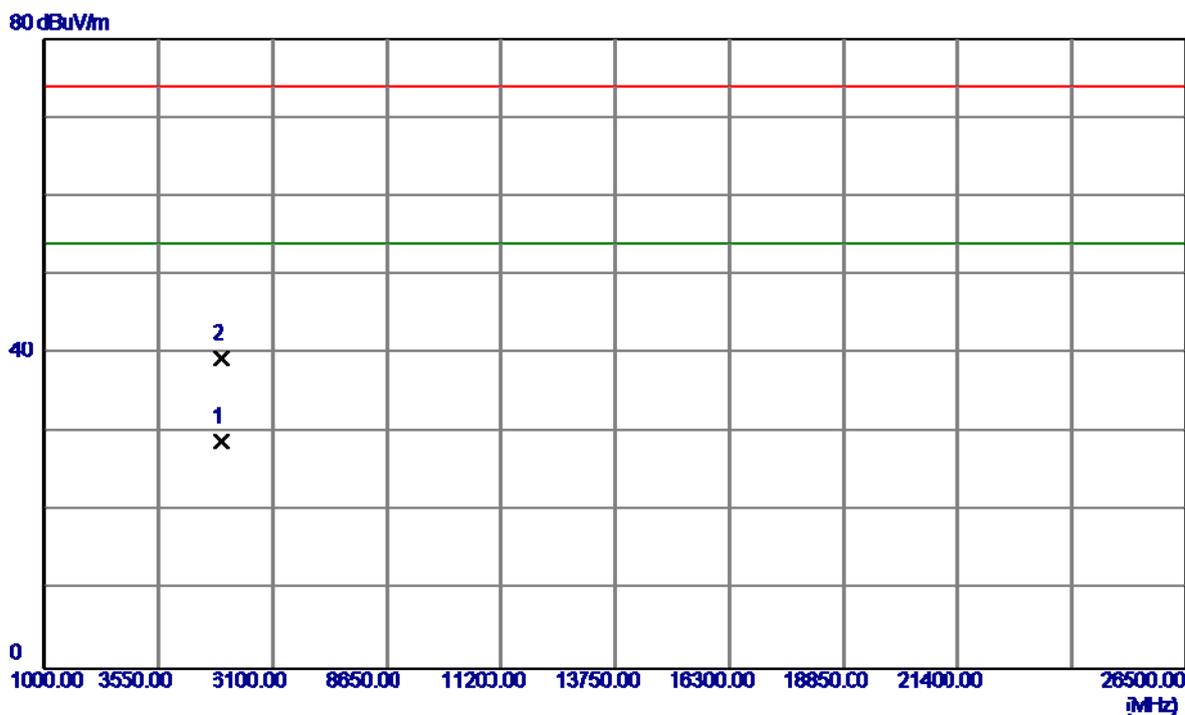
Horizontal



| No. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|------------|----------|----------|
| 1 | 2479.8500 | 54.10 | 29.13 | 83.23 | 54.00 | 29.23 | AVG | NO LIMIT |
| 2 | 2479.9000 | 69.29 | 29.13 | 98.42 | 74.00 | 24.42 | Peak | NO LIMIT |
| 3 | 2483.5000 | 18.17 | 29.14 | 47.31 | 74.00 | -26.69 | Peak | |
| 4 | 2483.5000 | 7.71 | 29.14 | 36.85 | 54.00 | -17.15 | AVG | |

Test Mode : TX 2480MHz _CH78_3Mbps

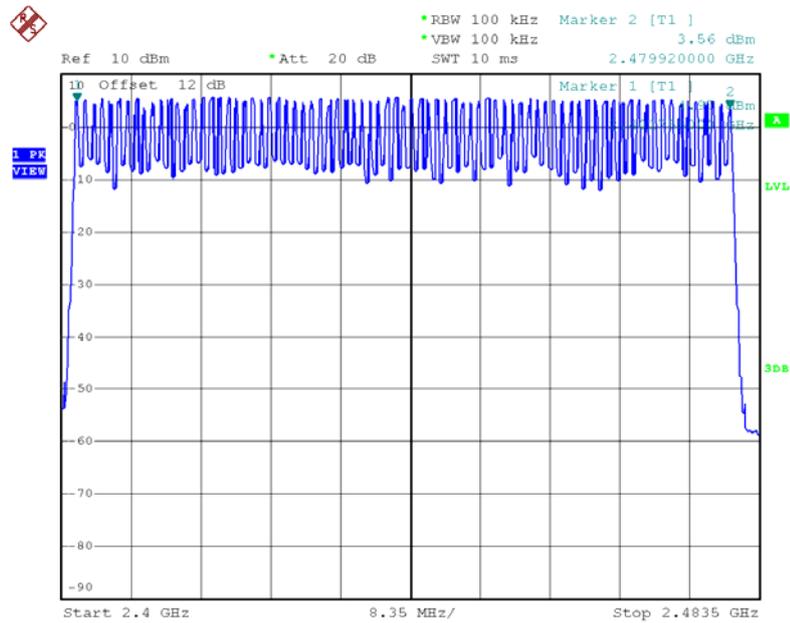
Horizontal



| No. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|------------|----------|---------|
| 1 | 4960.1300 | 30.35 | -1.60 | 28.75 | 54.00 | -25.25 | AVG | |
| 2 | 4960.1080 | 40.94 | -1.60 | 39.34 | 74.00 | -34.66 | Peak | |

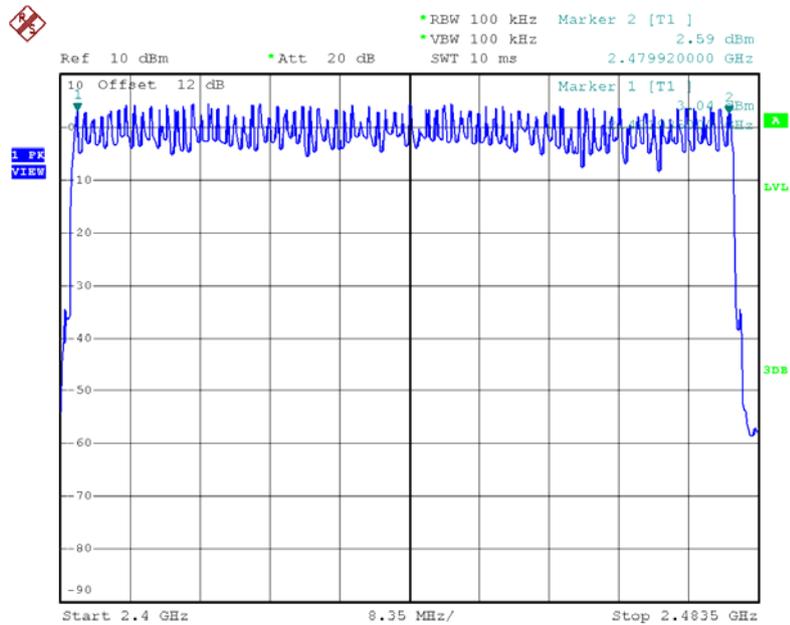
ATTACHMENT E - NUMBER OF HOPPING CHANNEL

Test Mode **Hopping Mode_1Mbps**
 Number of Hopping Channel 79



Date: 11.OCT.2015 08:57:03

Test Mode **Hopping Mode_3Mbps**
 Number of Hopping Channel 79



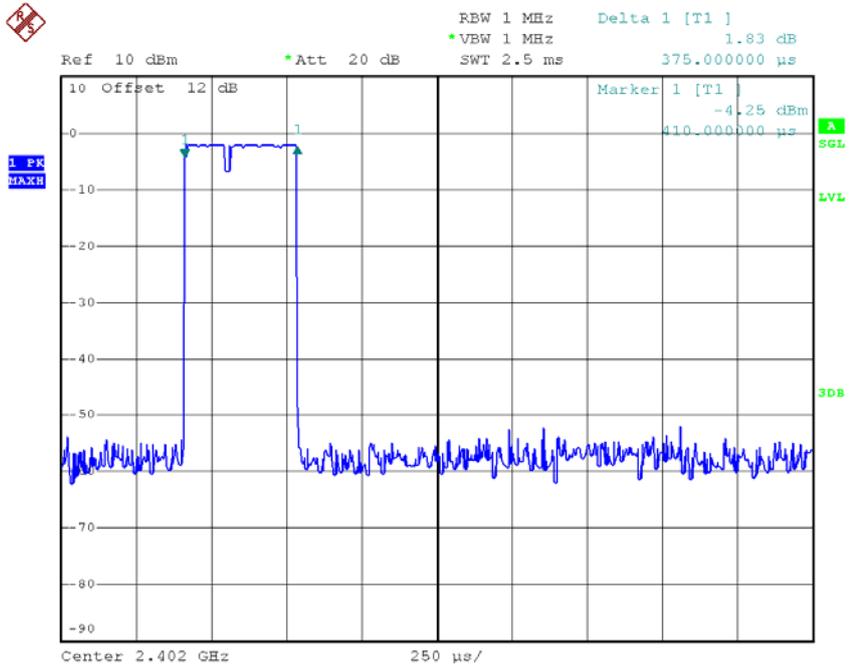
Date: 8.OCT.2015 10:40:38

ATTACHMENT F - AVERAGE TIME OF OCCUPANCY

| | |
|-------------|---------------|
| Test Mode : | TX Mode_1Mbps |
|-------------|---------------|

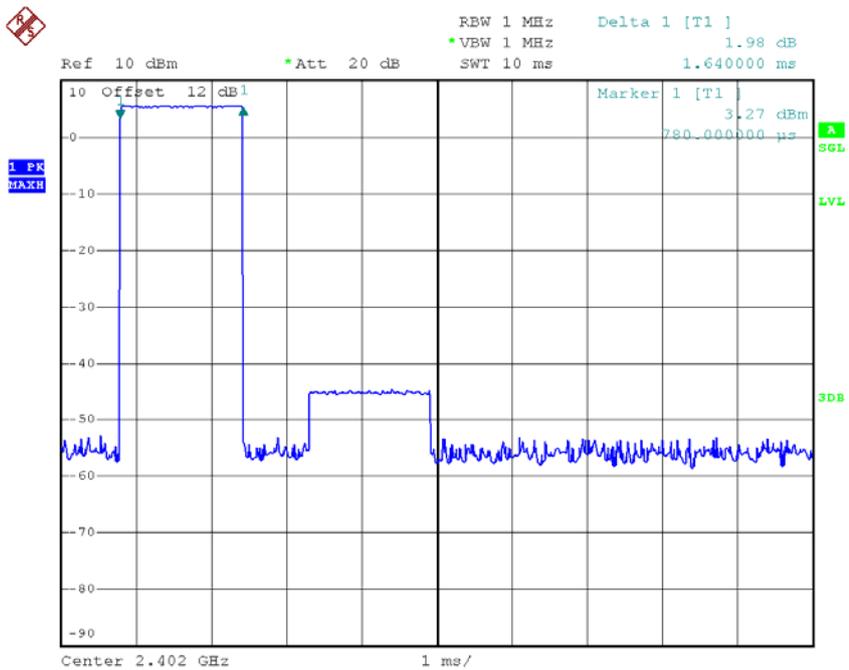
| Data Packet | Frequency (MHz) | Pulse Duration (ms) | Dwell Time (s) | Limits (s) | Test Result |
|-------------|-----------------|---------------------|----------------|------------|-------------|
| DH5 | 2402 | 2.8800 | 0.3072 | 0.4000 | Pass |
| DH3 | 2402 | 1.6400 | 0.1749 | 0.4000 | Pass |
| DH1 | 2402 | 0.3750 | 0.0400 | 0.4000 | Pass |
| DH5 | 2441 | 2.8800 | 0.3072 | 0.4000 | Pass |
| DH3 | 2441 | 1.6200 | 0.1728 | 0.4000 | Pass |
| DH1 | 2441 | 0.3750 | 0.0400 | 0.4000 | Pass |
| DH5 | 2480 | 2.8800 | 0.3072 | 0.4000 | Pass |
| DH3 | 2480 | 1.6200 | 0.1728 | 0.4000 | Pass |
| DH1 | 2480 | 0.3700 | 0.0395 | 0.4000 | Pass |

CH00-DH1



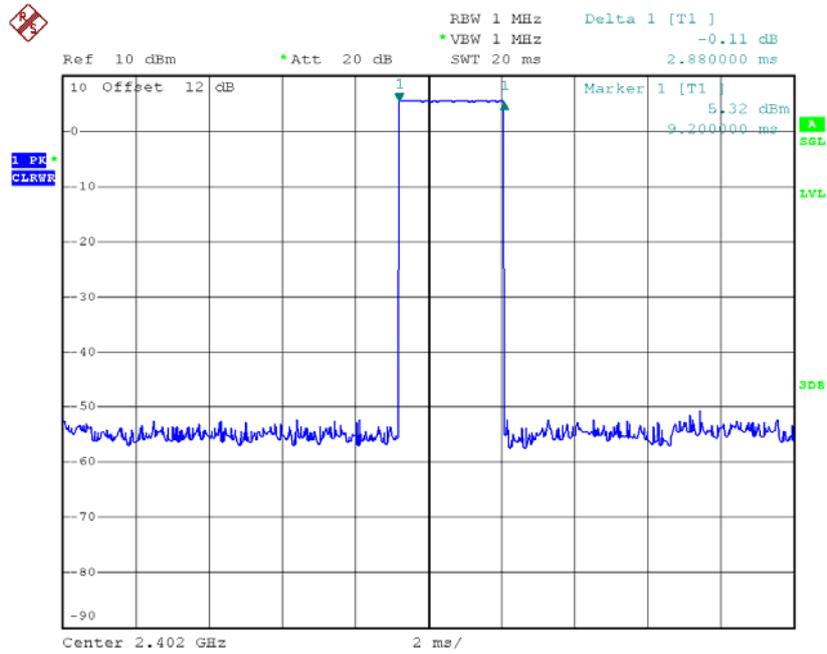
Date: 11.OCT.2015 08:51:47

CH00-DH3



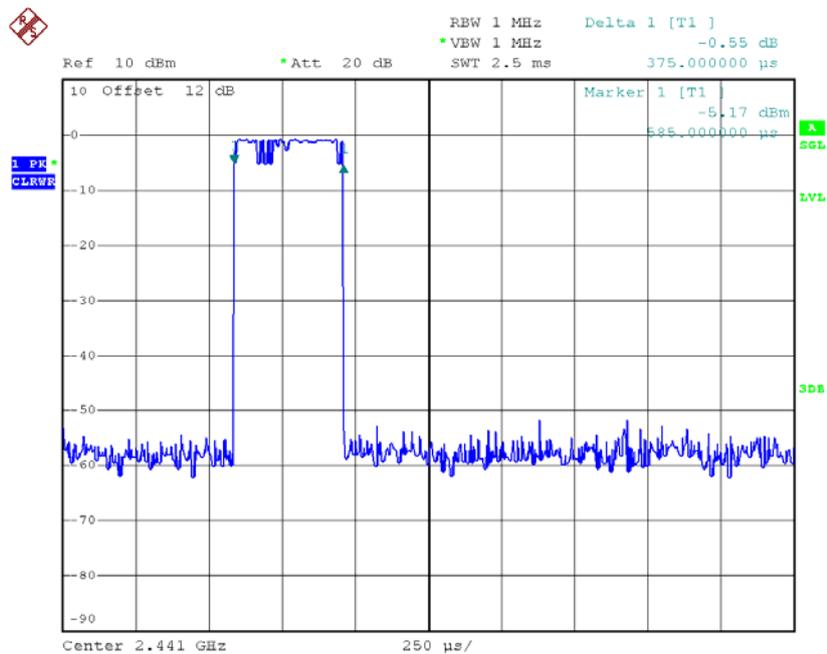
Date: 11.OCT.2015 08:58:33

CH00-DH5



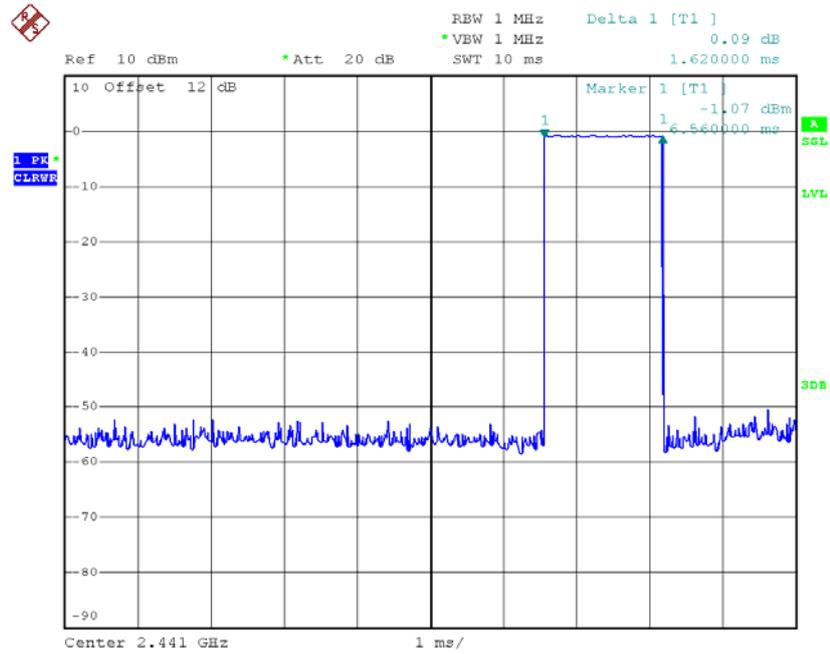
Date: 11.OCT.2015 08:59:11

CH39-DH1



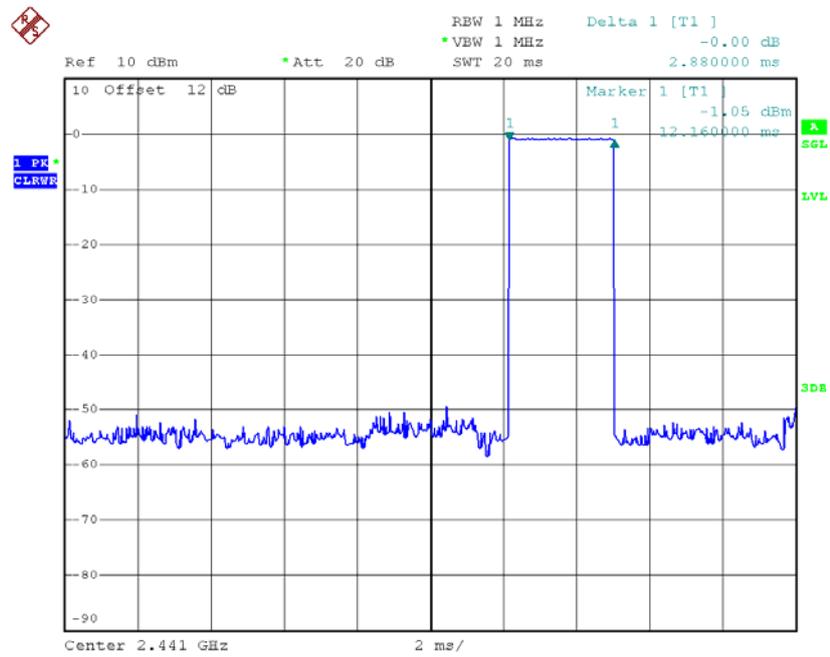
Date: 11.OCT.2015 08:51:52

CH39-DH3



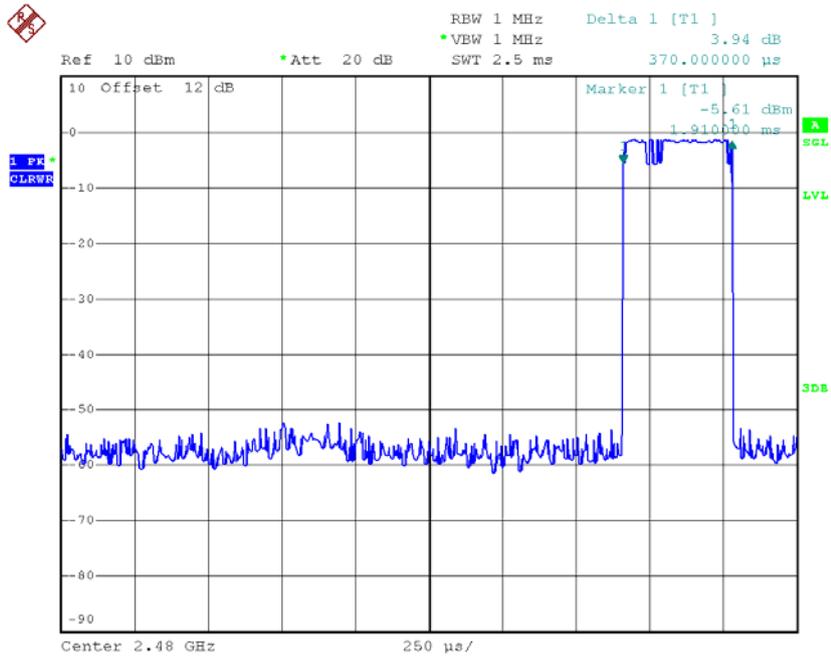
Date: 11.OCT.2015 08:58:39

CH39-DH5



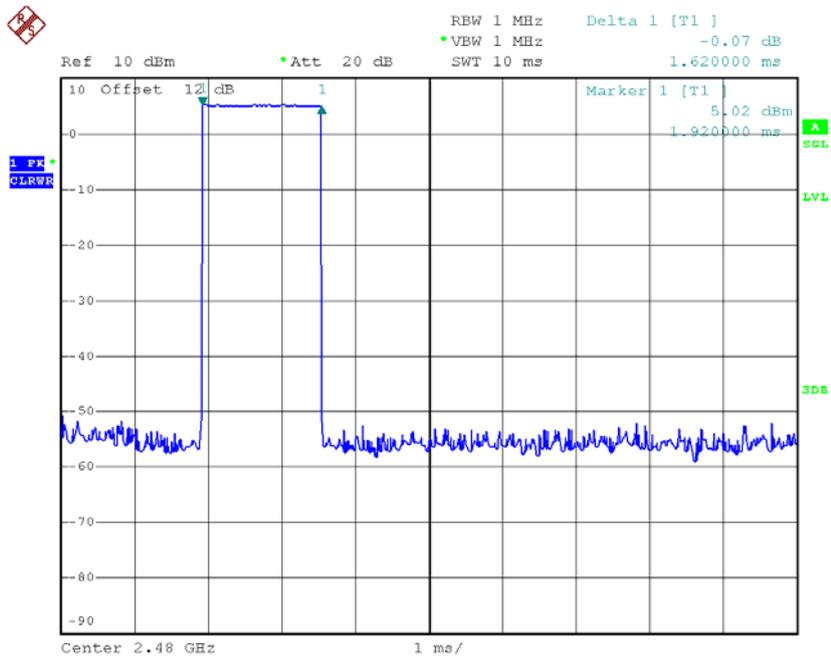
Date: 11.OCT.2015 08:59:16

CH78-DH1

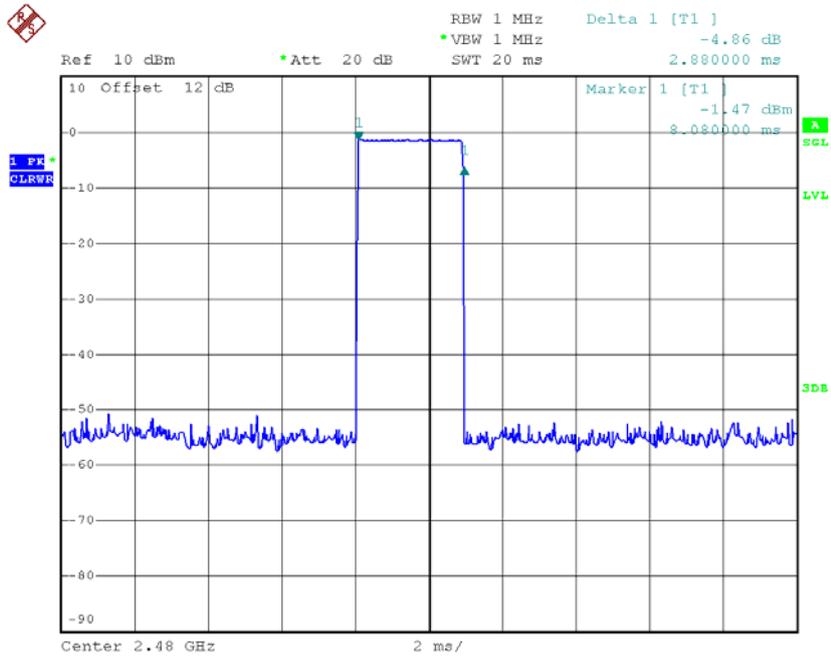


Date: 11.OCT.2015 08:51:56

CH78-DH3



Date: 11.OCT.2015 08:58:50

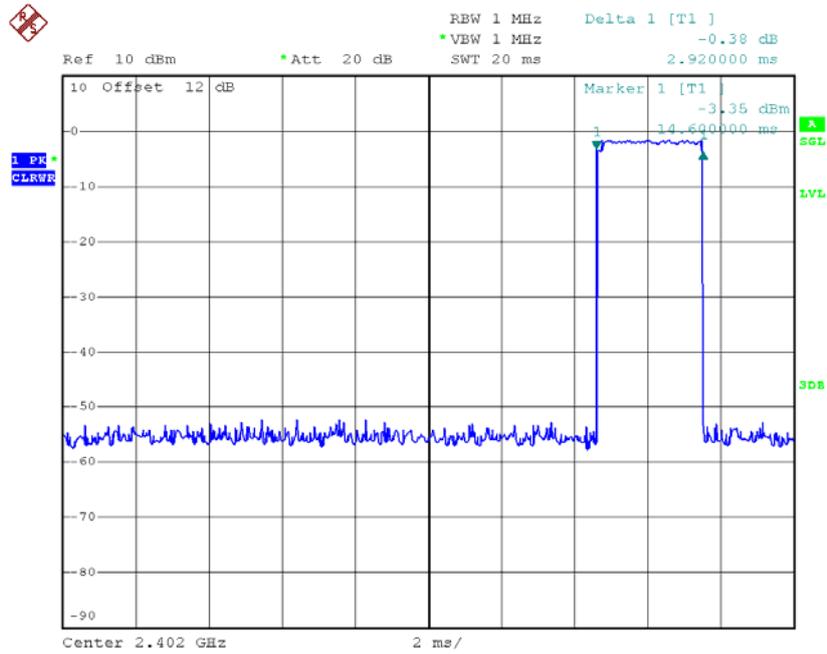
CH78-DH5

Date: 11.OCT.2015 08:59:22

| | |
|-------------|---------------|
| Test Mode : | TX Mode_3Mbps |
|-------------|---------------|

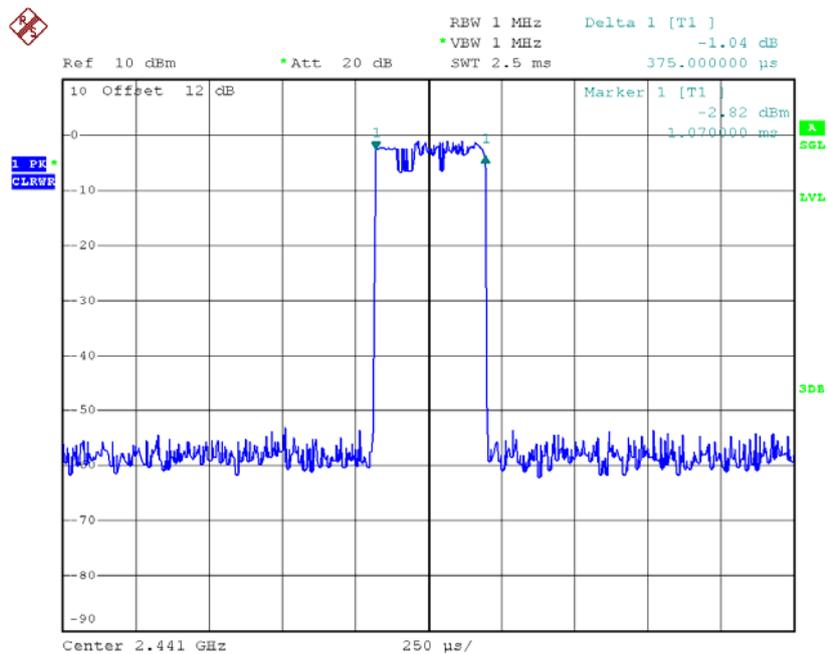
| Data Packet | Frequency | Pulse Duration(ms) | Dwell Time(s) | Limits(s) | Test Result |
|-------------|-----------|--------------------|---------------|-----------|-------------|
| DH5 | 2402 | 2.9200 | 0.3115 | 0.4000 | Pass |
| DH3 | 2402 | 1.6400 | 0.1749 | 0.4000 | Pass |
| DH1 | 2402 | 0.3750 | 0.0400 | 0.4000 | Pass |
| DH5 | 2441 | 2.9200 | 0.3115 | 0.4000 | Pass |
| DH3 | 2441 | 1.6400 | 0.1749 | 0.4000 | Pass |
| DH1 | 2441 | 0.3750 | 0.0400 | 0.4000 | Pass |
| DH5 | 2480 | 2.8800 | 0.3072 | 0.4000 | Pass |
| DH3 | 2480 | 1.6400 | 0.1749 | 0.4000 | Pass |
| DH1 | 2480 | 0.3800 | 0.0405 | 0.4000 | Pass |

CH00-DH5



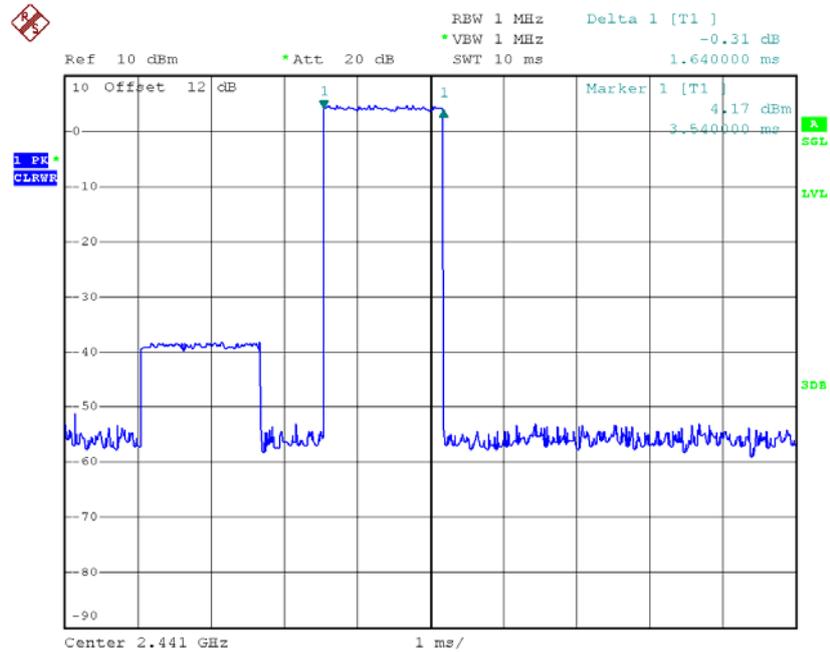
Date: 8.OCT.2015 10:42:54

CH39-DH1



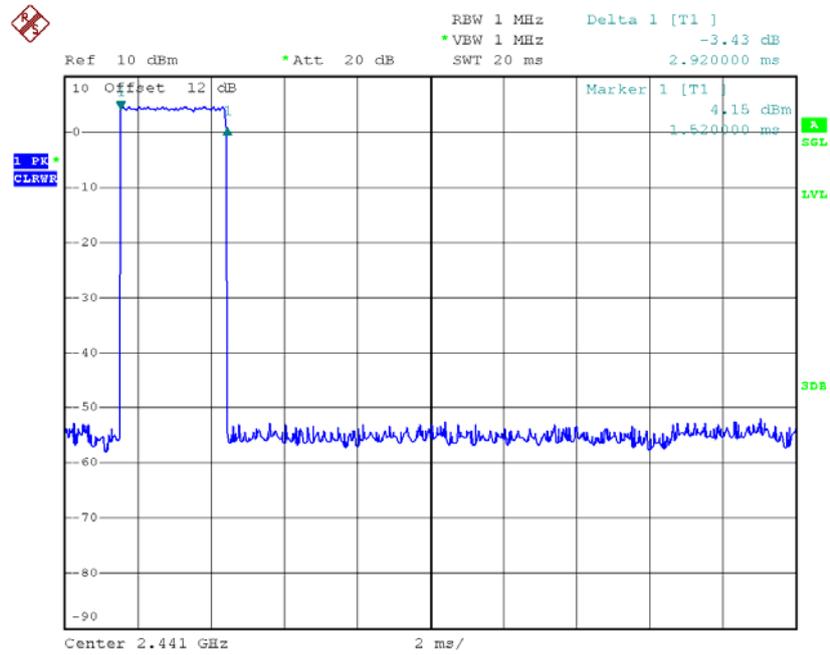
Date: 8.OCT.2015 10:35:26

CH39-DH3



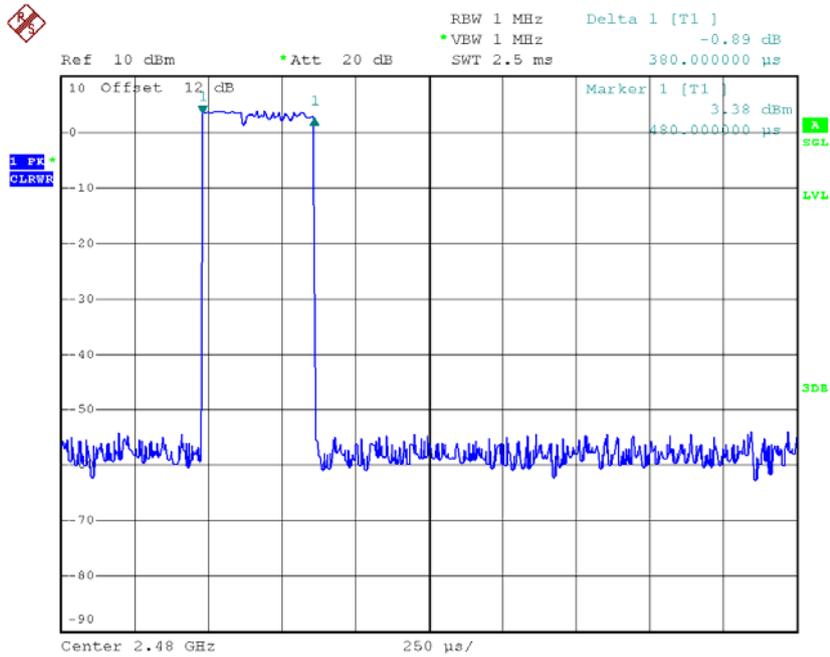
Date: 8.OCT.2015 10:42:26

CH39-DH5



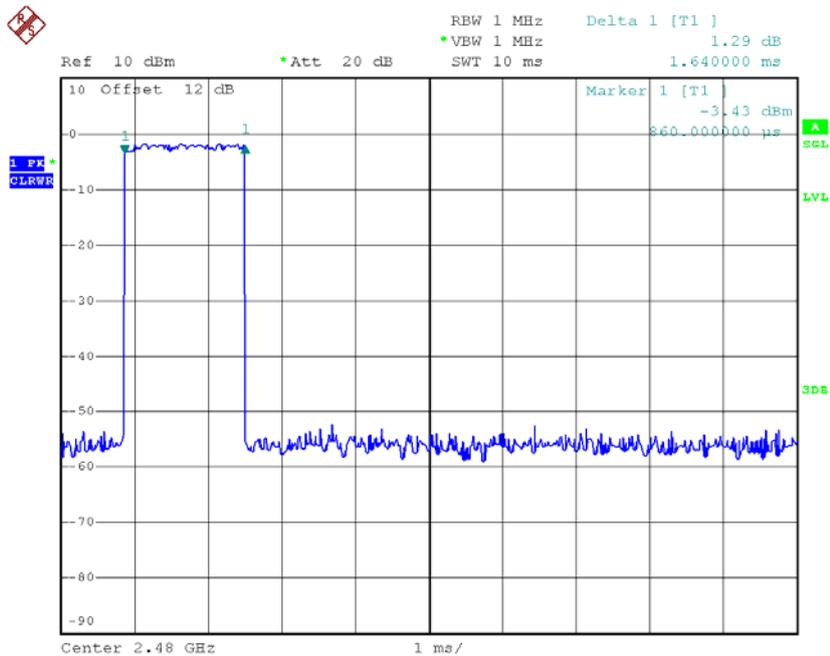
Date: 8.OCT.2015 10:43:00

CH78-DH1



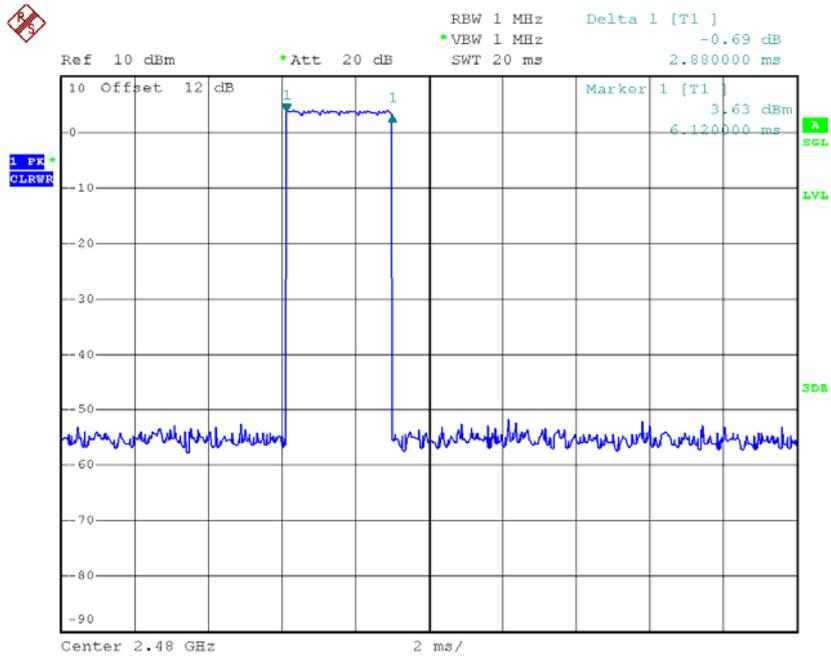
Date: 8.OCT.2015 10:35:33

CH78-DH3



Date: 8.OCT.2015 10:42:31

CH78-DH5

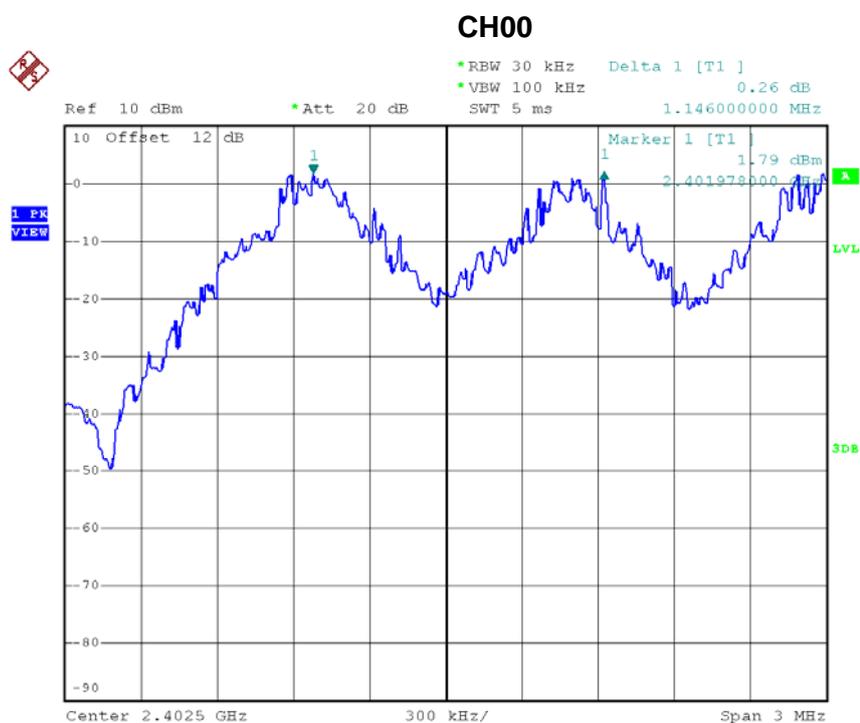


Date: 8.OCT.2015 10:43:04

ATTACHMENT G - HOPPING CHANNEL SEPARATION MEASUREMENT

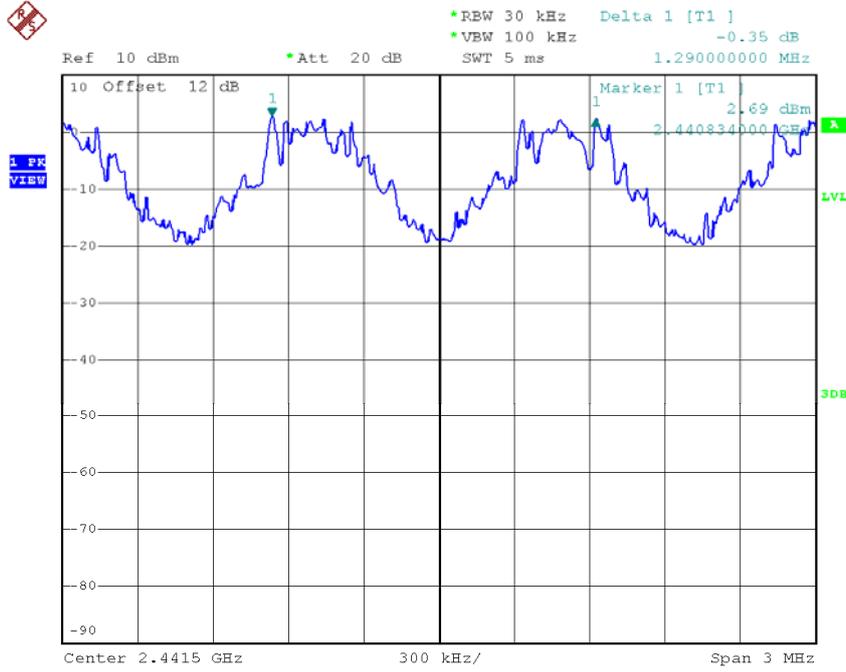
Test Mode : Hopping on _1Mbps

| Frequency (MHz) | Channel Separation (MHz) | 2/3 of 20dB Bandwidth (MHz) | Test Result |
|-----------------|--------------------------|-----------------------------|-------------|
| 2402 | 1.146 | 0.623 | Pass |
| 2441 | 1.290 | 0.619 | Pass |
| 2480 | 1.002 | 0.625 | Pass |



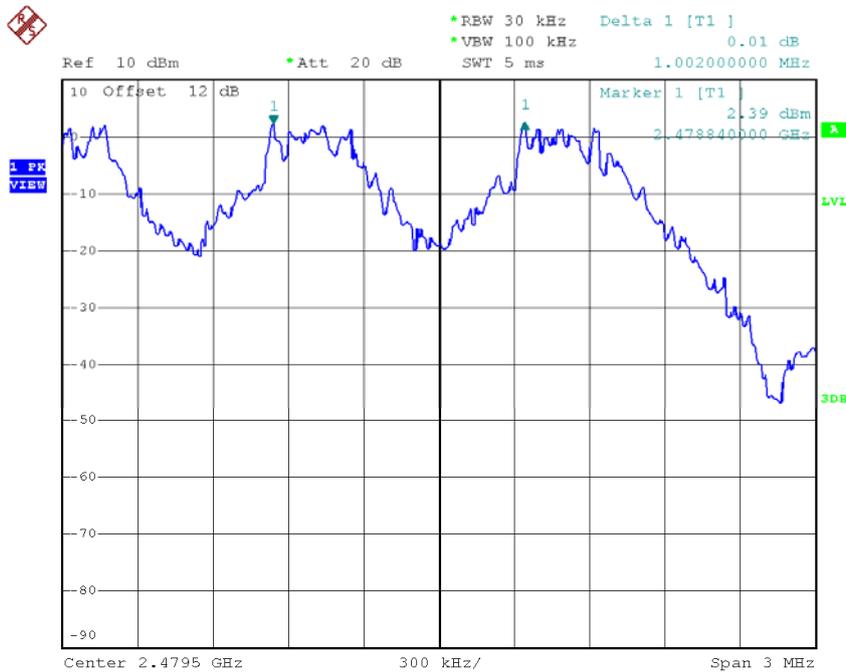
Date: 11.OCT.2015 08:53:01

CH39



Date: 11.OCT.2015 09:03:44

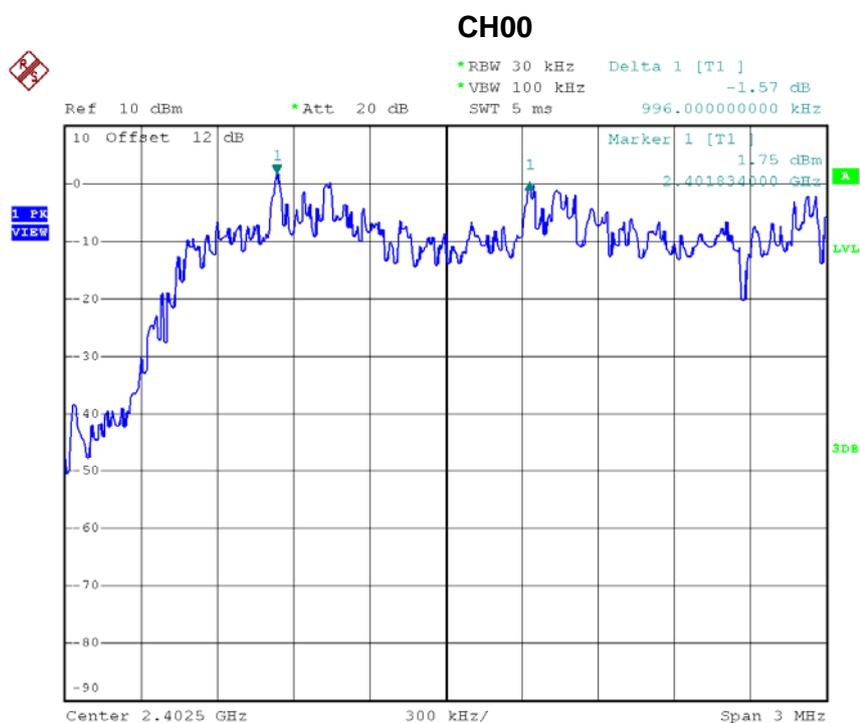
CH78



Date: 11.OCT.2015 09:05:18

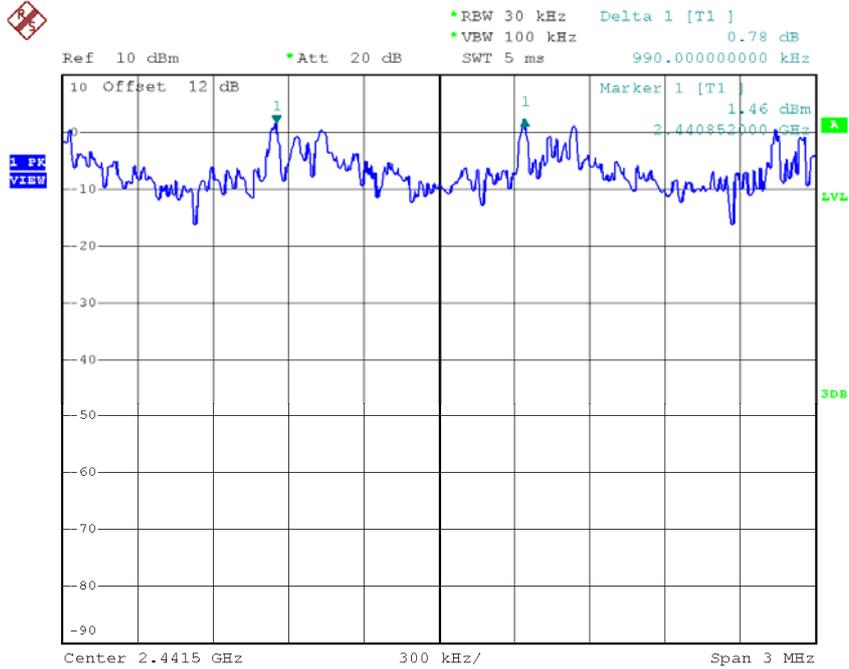
Test Mode : Hopping on _3Mbps

| Frequency (MHz) | Channel Separation (MHz) | 2/3 of 20dB Bandwidth (MHz) | Test Result |
|-----------------|--------------------------|-----------------------------|-------------|
| 2402 | 0.996 | 0.817 | Pass |
| 2441 | 0.990 | 0.811 | Pass |
| 2480 | 1.004 | 0.815 | Pass |



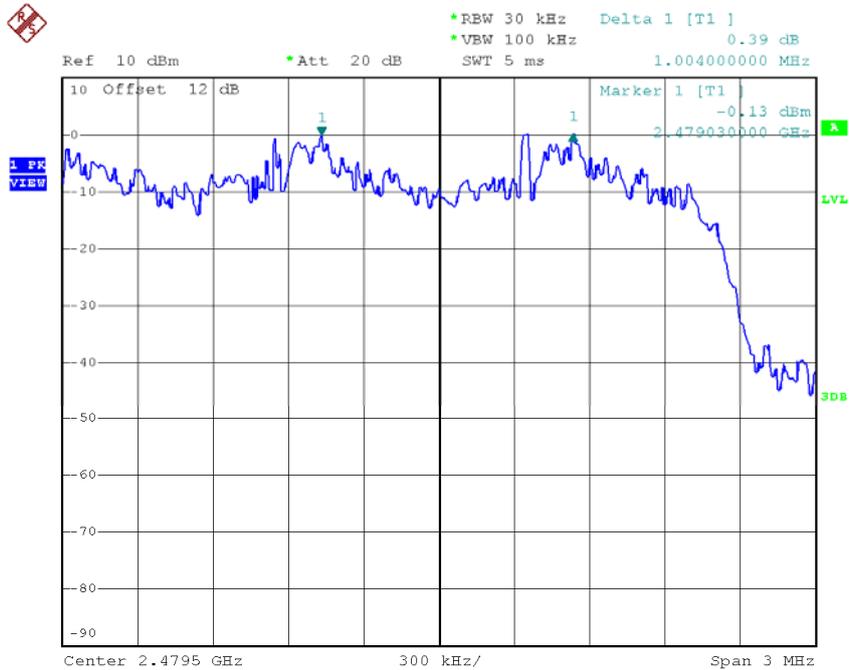
Date: 8.OCT.2015 10:36:39

CH39



Date: 8.OCT.2015 10:37:43

CH78

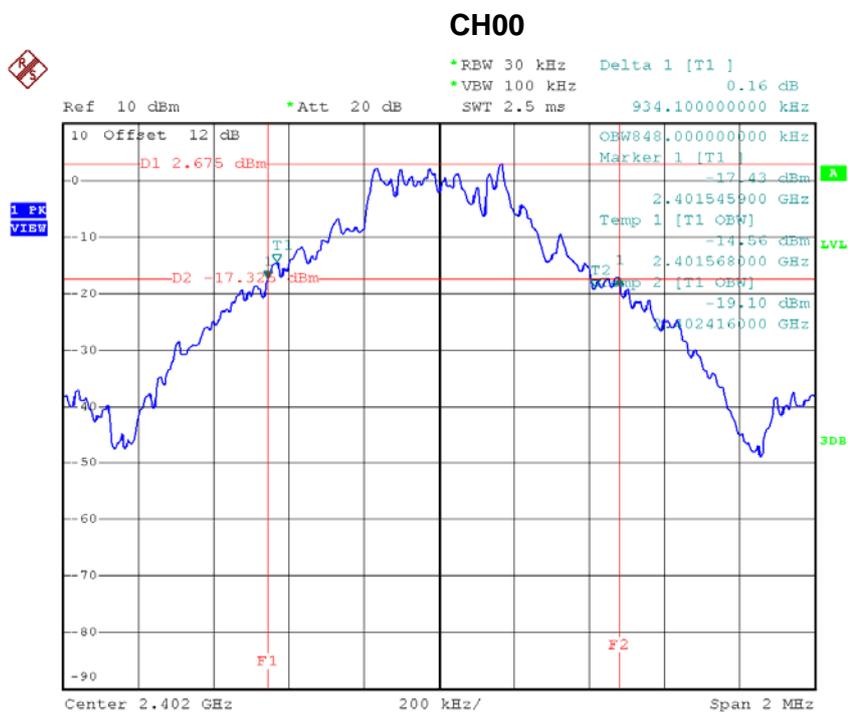


Date: 8.OCT.2015 10:38:50

ATTACHMENT H - BANDWIDTH

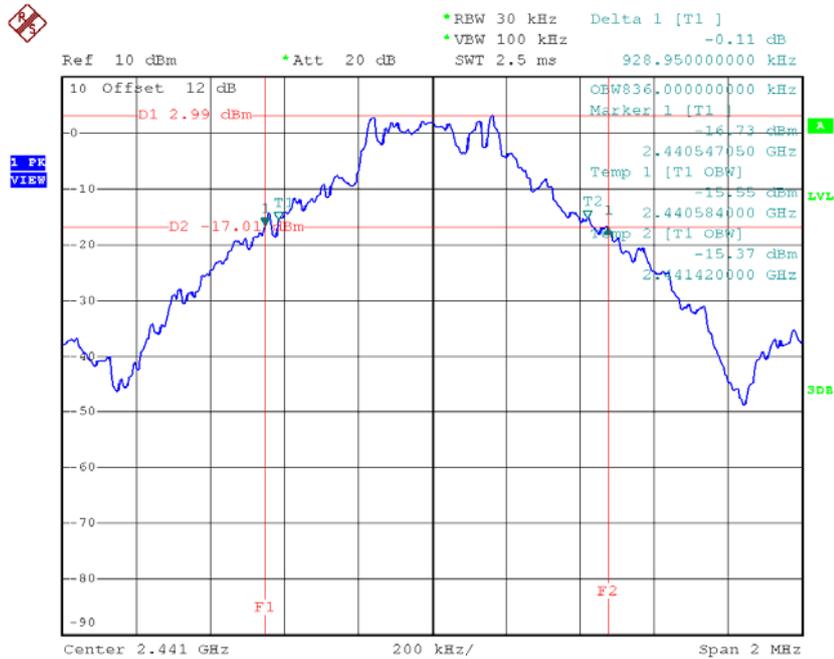
Test Mode : TX Mode _1Mbps

| Frequency (MHz) | 20dB Bandwidth (MHz) | 99% Occupied BW (MHz) | Test Result |
|-----------------|----------------------|-----------------------|-------------|
| 2402 | 0.934 | 0.848 | Pass |
| 2441 | 0.929 | 0.836 | Pass |
| 2480 | 0.937 | 0.848 | Pass |



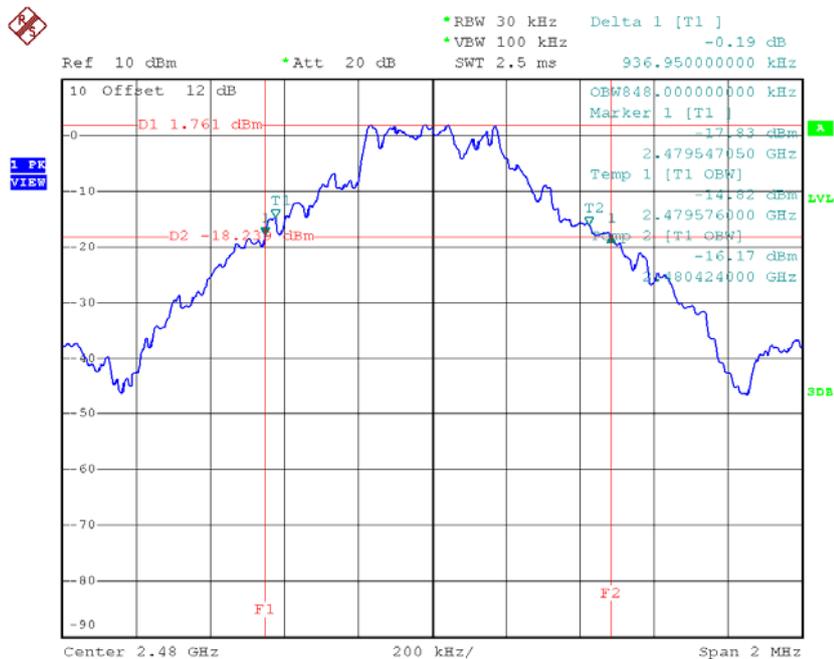
Date: 11.OCT.2015 08:48:13

CH39



Date: 11.OCT.2015 08:49:39

CH78

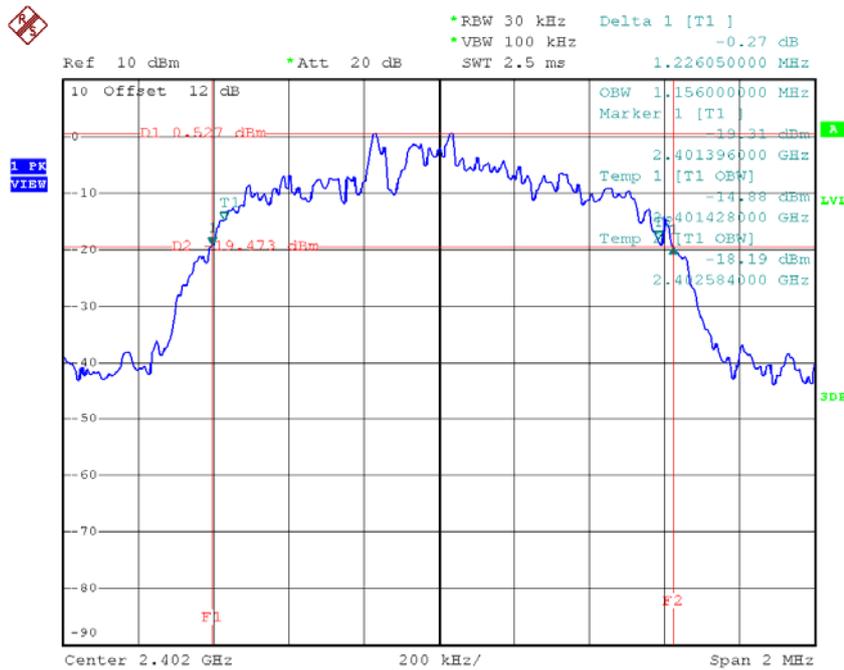


Date: 11.OCT.2015 08:50:23

Test Mode : TX Mode_3Mbps

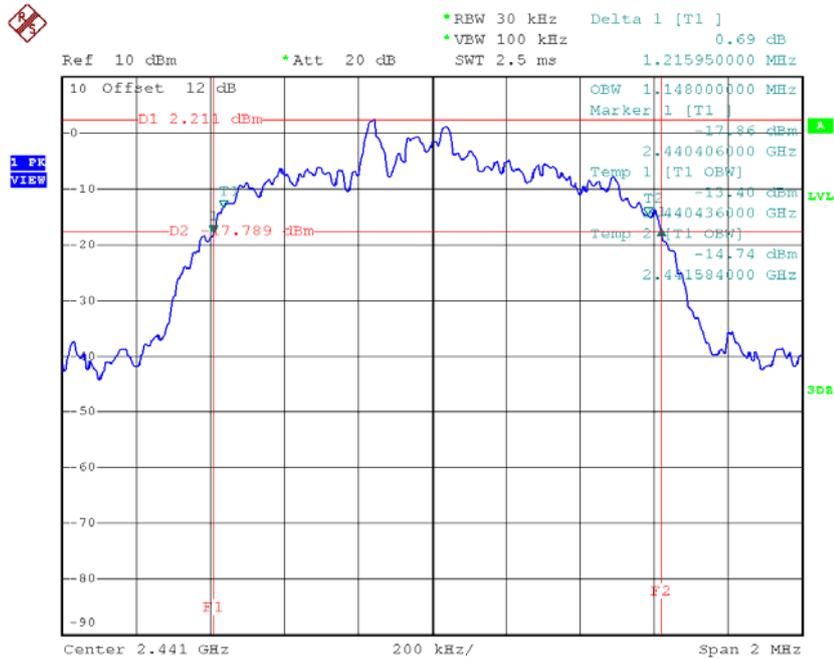
| Frequency (MHz) | 20dB Bandwidth (MHz) | 99% Occupied BW (MHz) | Test Result |
|-----------------|----------------------|-----------------------|-------------|
| 2402 | 1.226 | 1.156 | Pass |
| 2441 | 1.216 | 1.148 | Pass |
| 2480 | 1.222 | 1.148 | Pass |

CH00



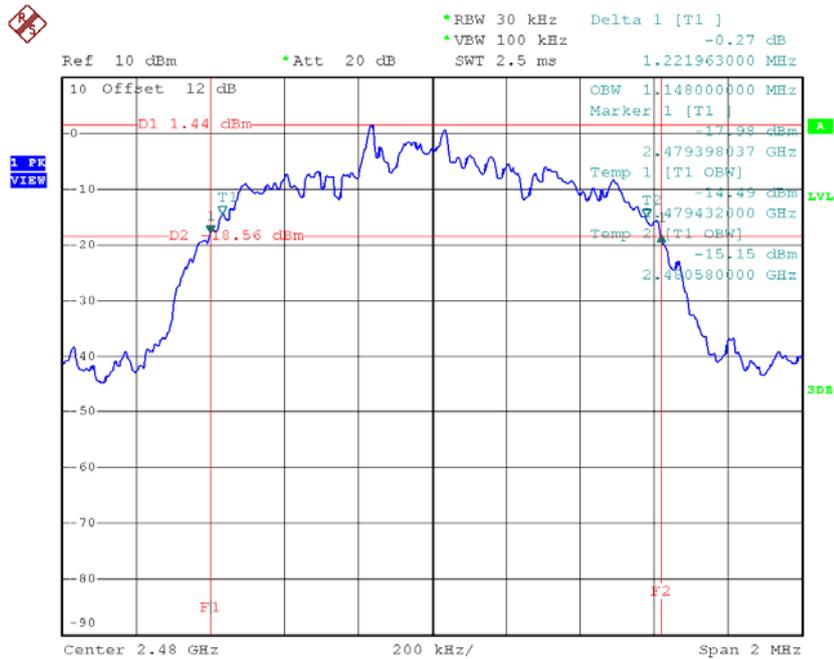
Date: 8.OCT.2015 10:31:08

CH39



Date: 8.OCT.2015 10:33:08

CH78

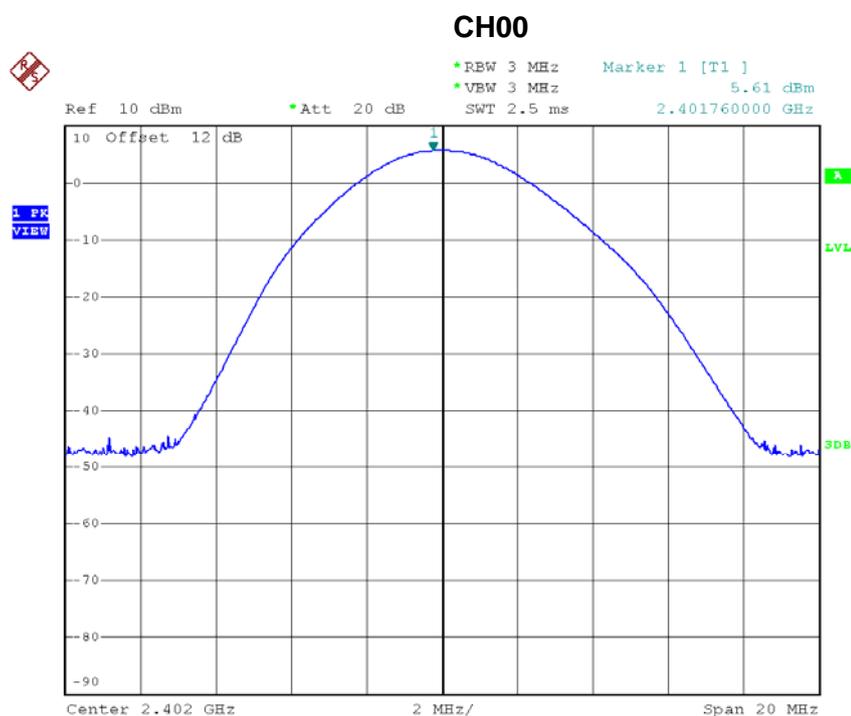


Date: 8.OCT.2015 10:34:02

ATTACHMENT I - PEAK OUTPUT POWER

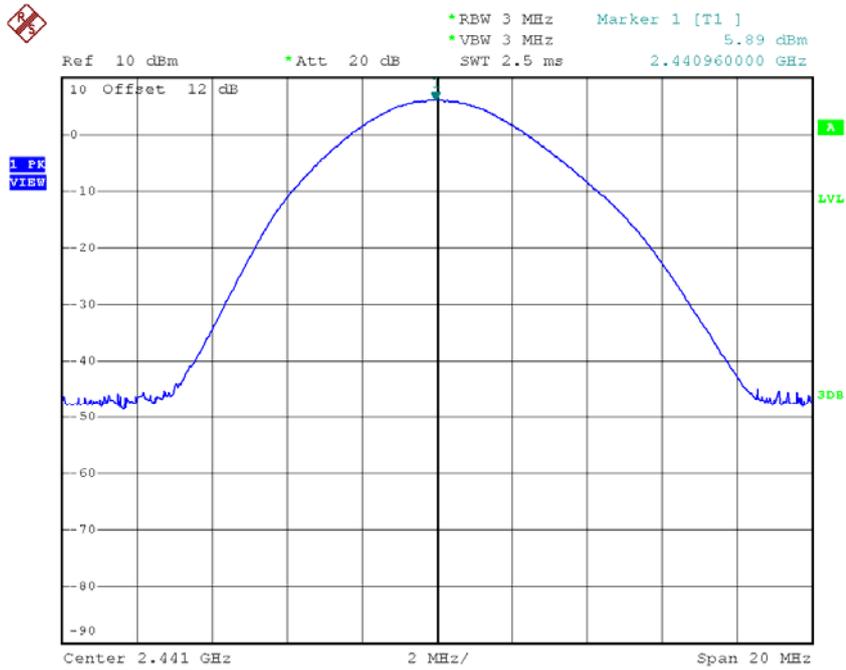
Test Mode : TX Mode _1Mbps

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Test Result |
|-----------------|-----------------------|---------------------|------------------|----------------|-------------|
| 2402 | 5.61 | 0.0036 | 30.00 | 1.00 | Pass |
| 2441 | 5.89 | 0.0039 | 30.00 | 1.00 | Pass |
| 2480 | 5.36 | 0.0034 | 30.00 | 1.00 | Pass |



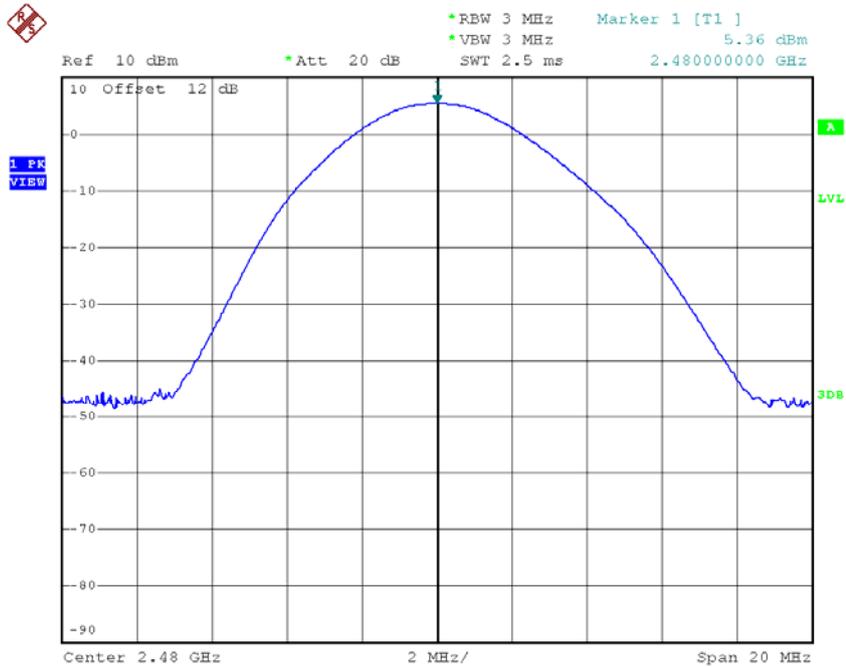
Date: 11.OCT.2015 09:08:20

CH39



Date: 11.OCT.2015 08:46:19

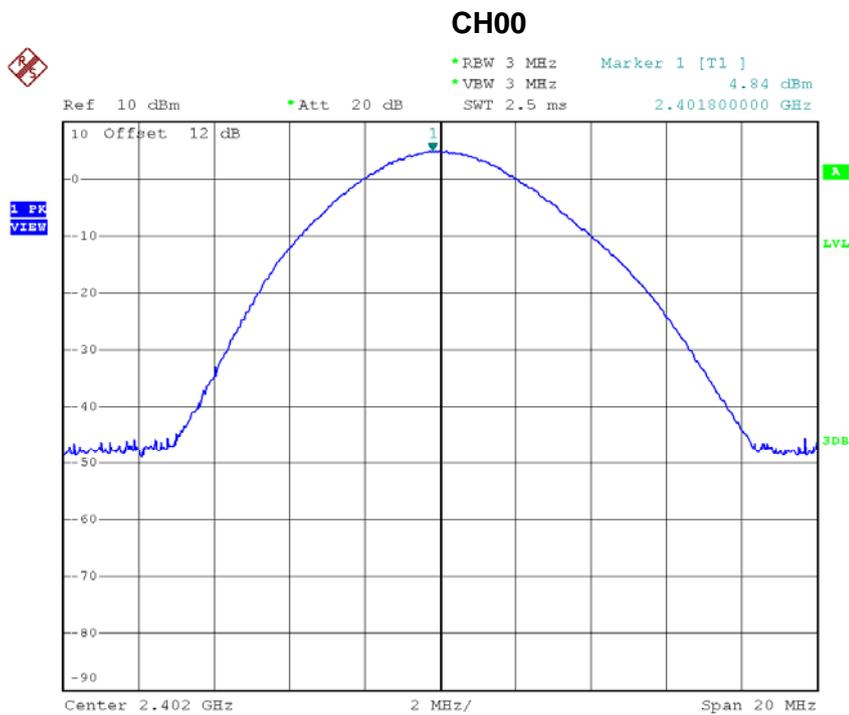
CH78



Date: 11.OCT.2015 08:46:46

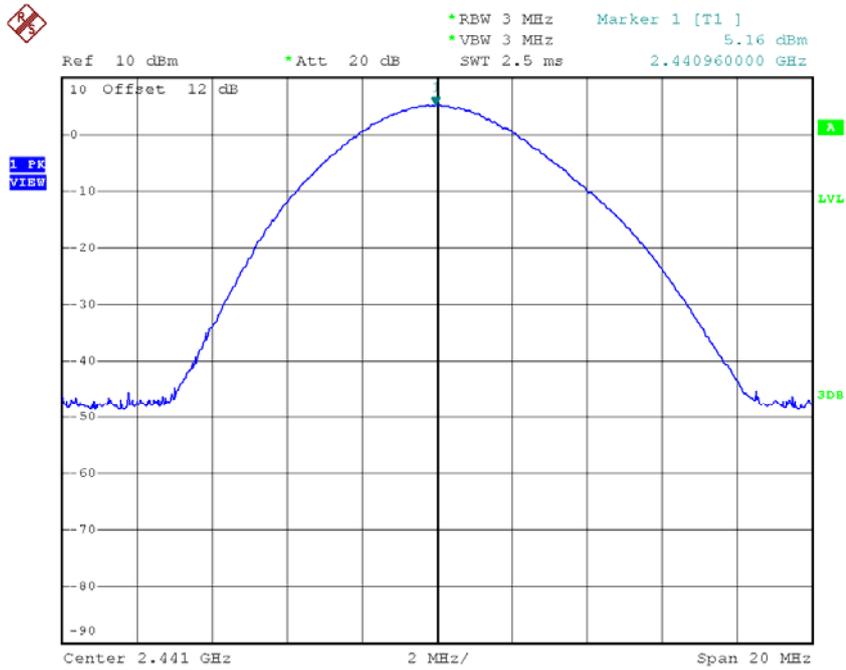
Test Mode : TX Mode _3Mbps

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Test Result |
|-----------------|-----------------------|---------------------|------------------|----------------|-------------|
| 2402 | 4.84 | 0.0030 | 30.00 | 1.00 | Pass |
| 2441 | 5.16 | 0.0033 | 30.00 | 1.00 | Pass |
| 2480 | 4.46 | 0.0028 | 30.00 | 1.00 | Pass |



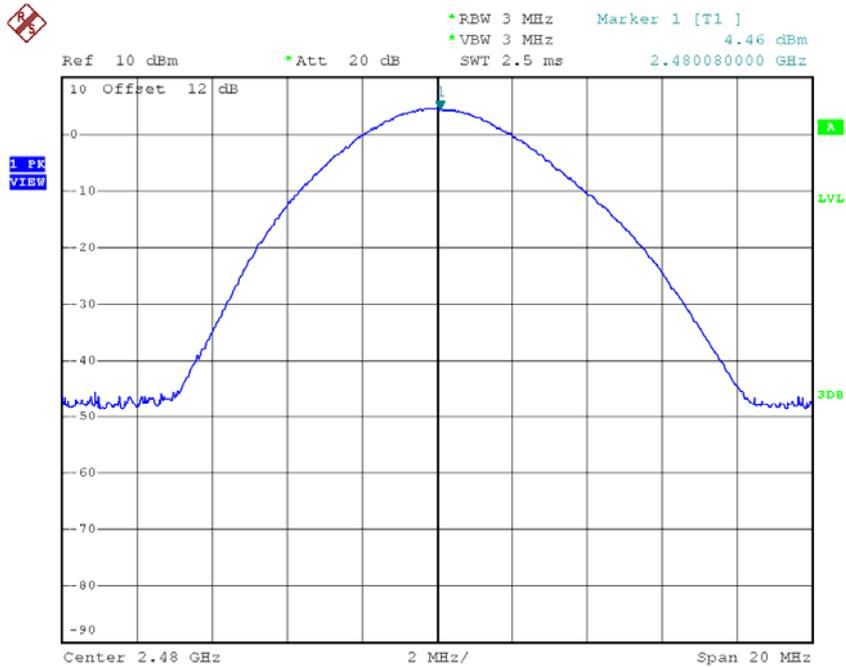
Date: 8.OCT.2015 10:28:39

CH39



Date: 8.OCT.2015 10:29:01

CH78

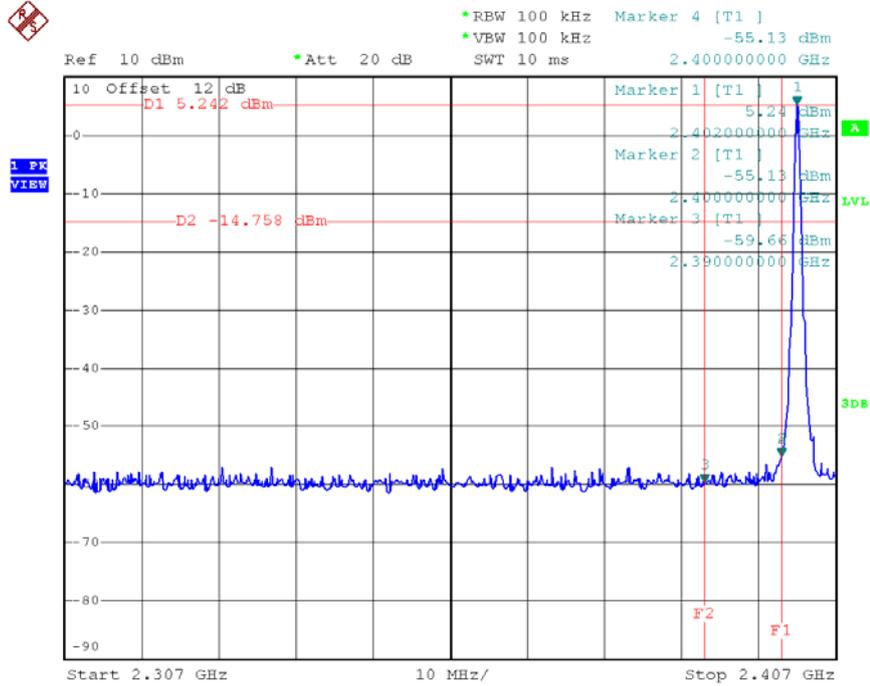


Date: 8.OCT.2015 10:29:22

**ATTACHMENT J - ANTENNA CONDUCTED SPURIOUS
EMISSION**

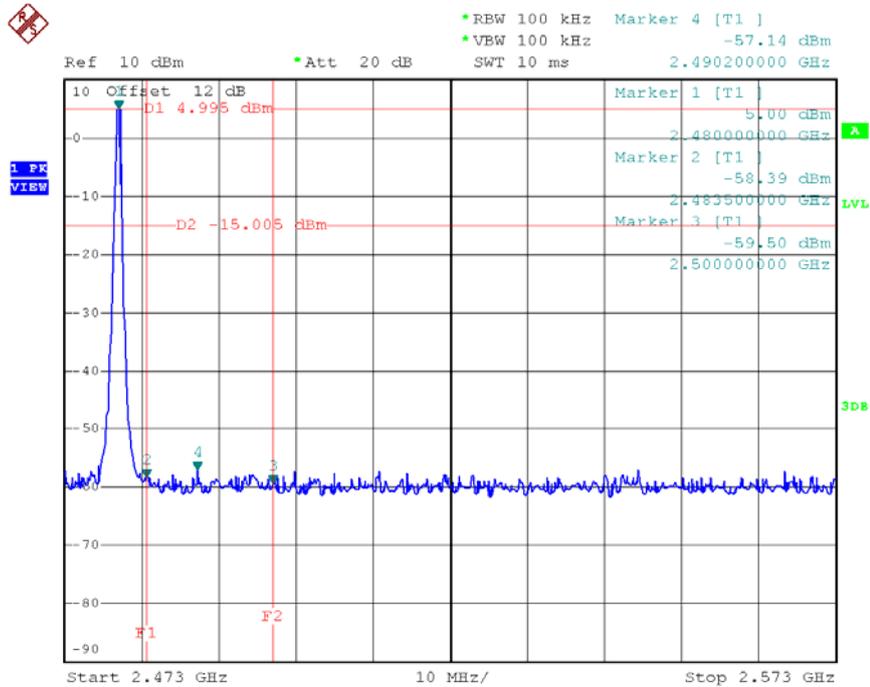
Test Mode : TX Mode_1Mbps

CH00 (Lower)_1Mbps



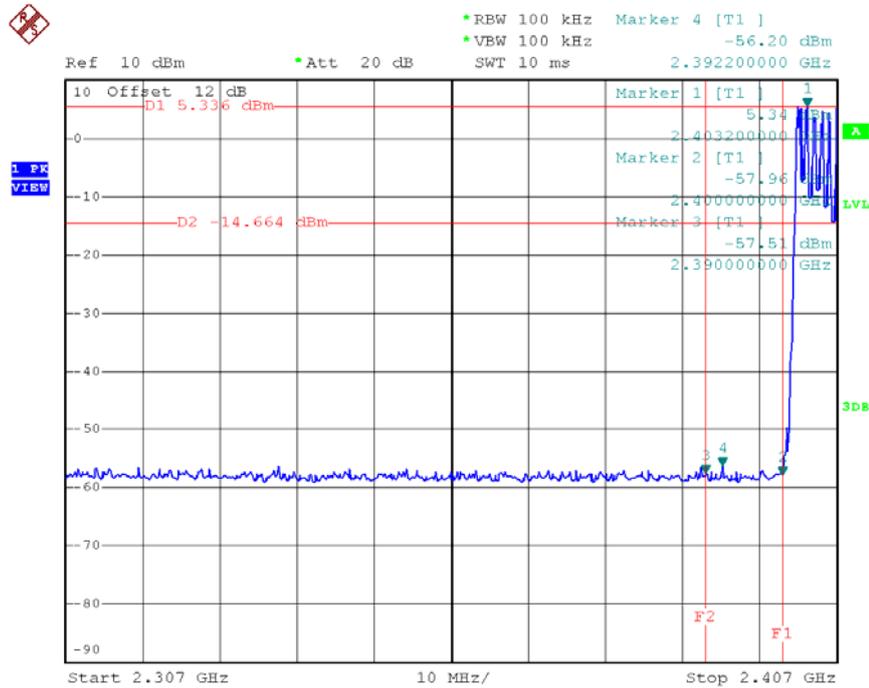
Date: 11.OCT.2015 08:47:46

CH78 (Upper)_1Mbps



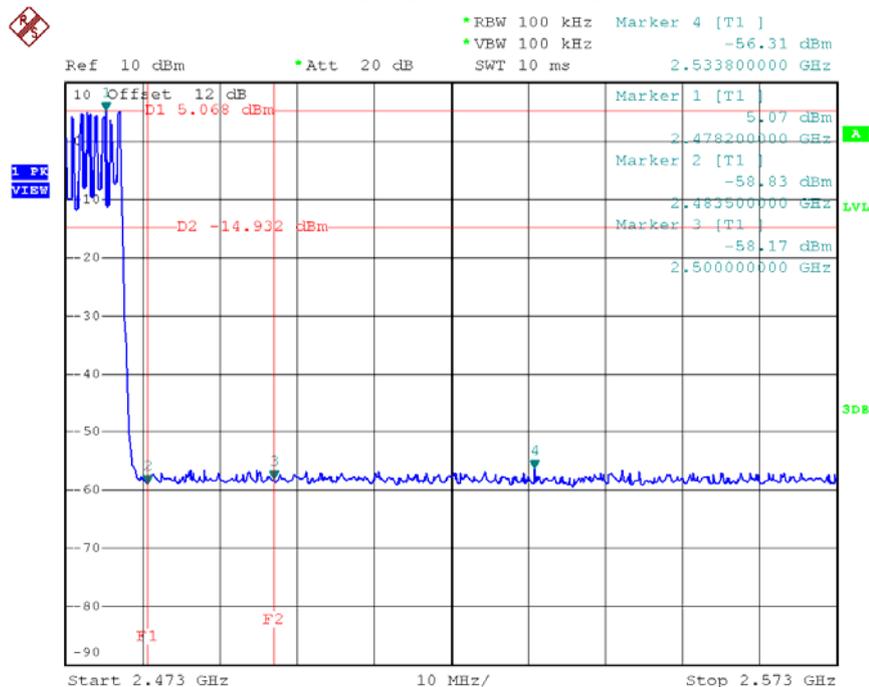
Date: 11.OCT.2015 08:49:57

CH00 Hopping on mode (Lower)_1Mbps



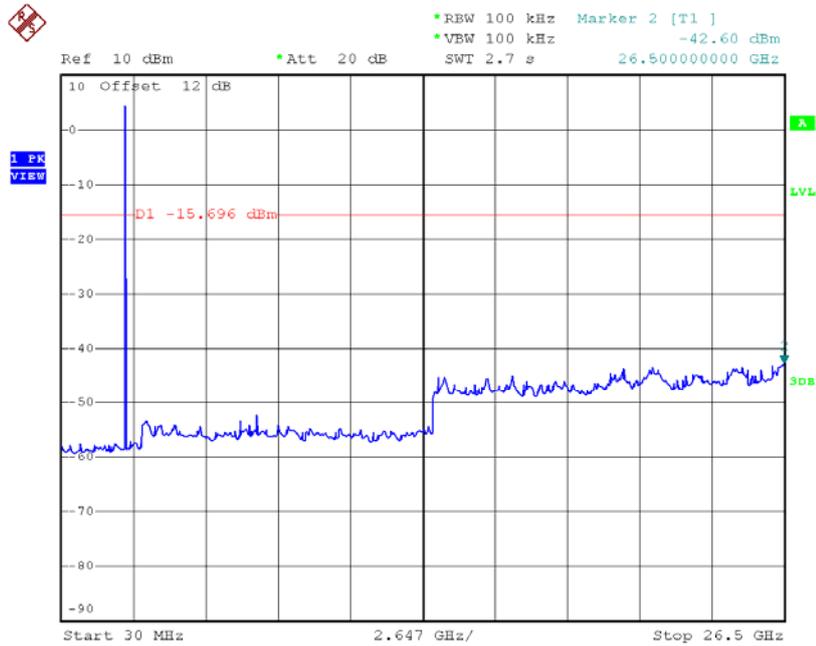
Date: 11.OCT.2015 09:06:24

CH78 Hopping on mode (Upper)_1Mbps



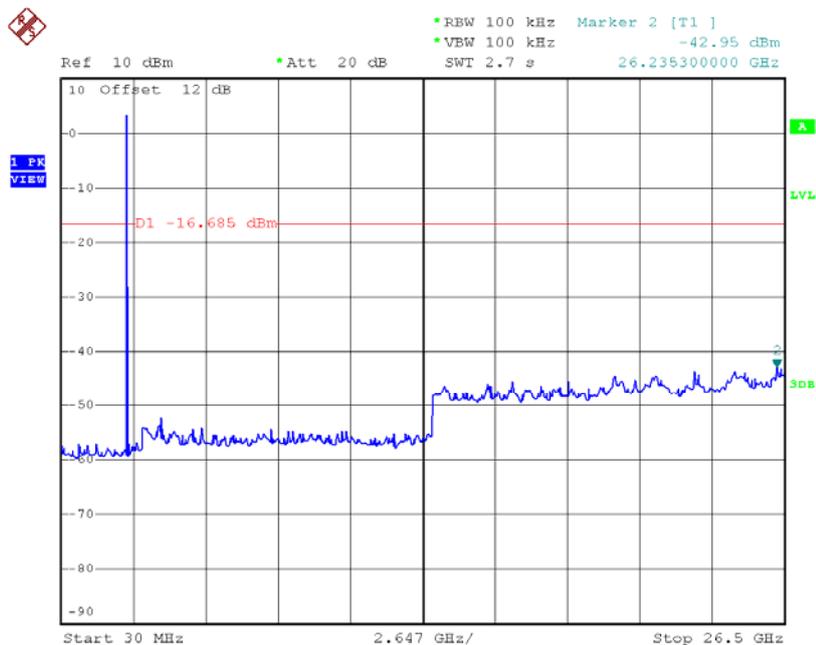
Date: 11.OCT.2015 09:07:28

CH00 (10 Harmonic of the frequency) _1Mbps



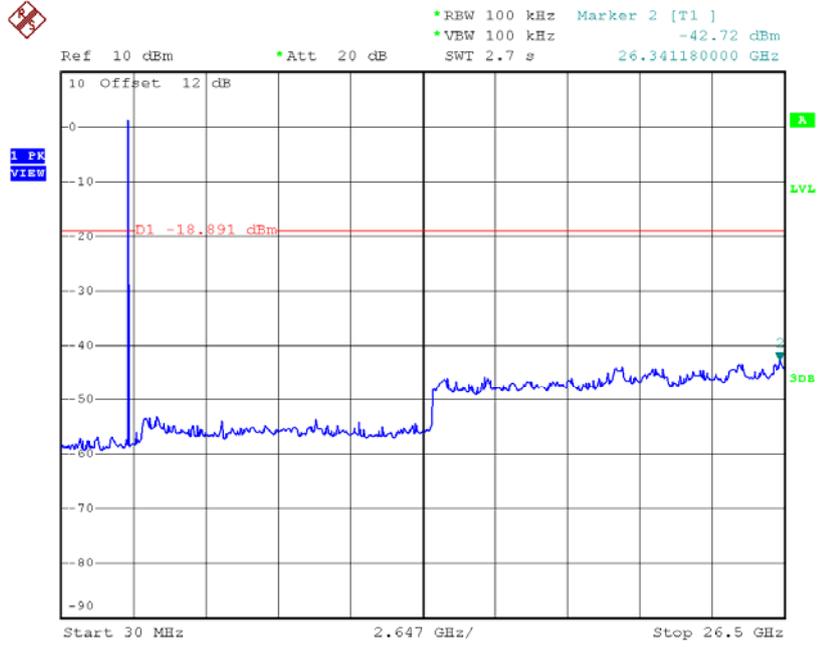
Date: 11.OCT.2015 08:48:43

CH39 (10 Harmonic of the frequency) _1Mbps



Date: 11.OCT.2015 08:49:13

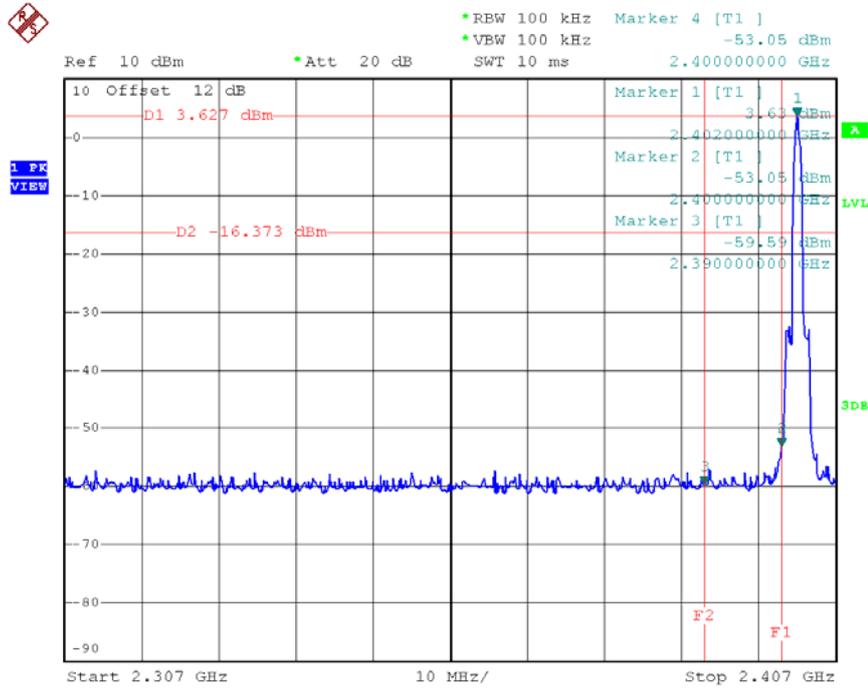
CH78 (10 Harmonic of the frequency) _1Mbps



Date: 11.OCT.2015 08:50:53

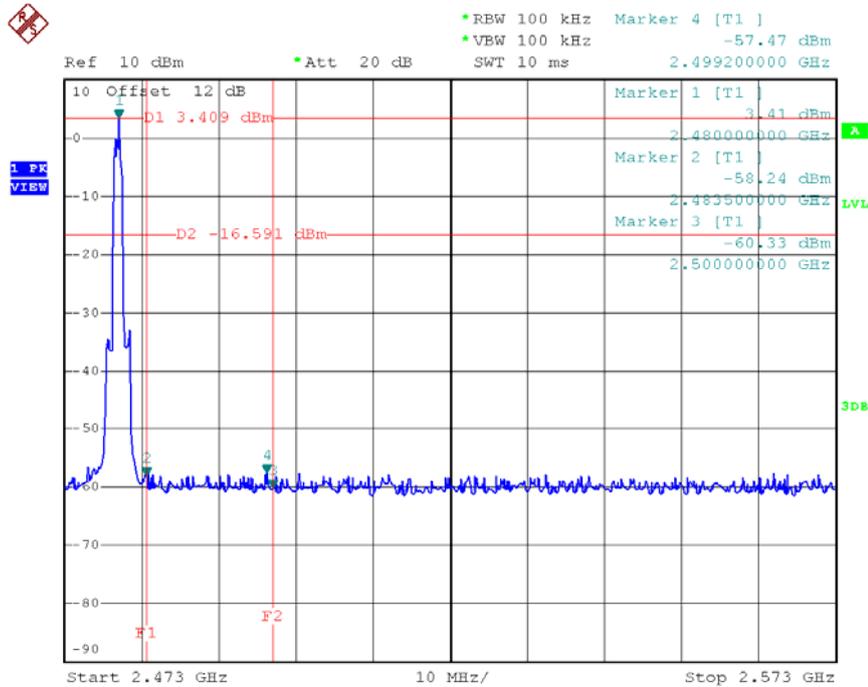
Test Mode : TX Mode_3Mbps

CH00 (Lower)_3Mbps



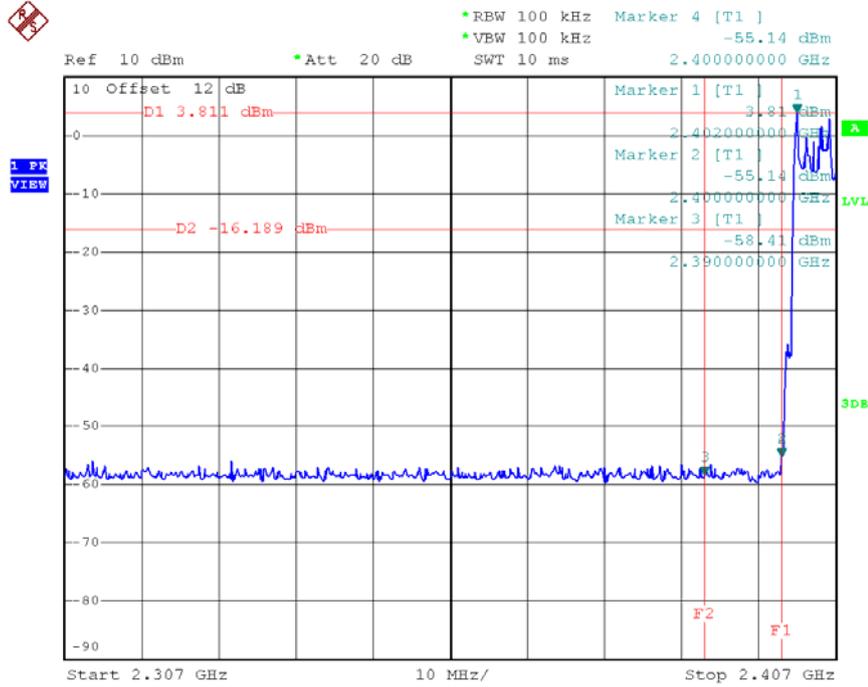
Date: 8.OCT.2015 10:30:47

CH78 (Upper)_3Mbps



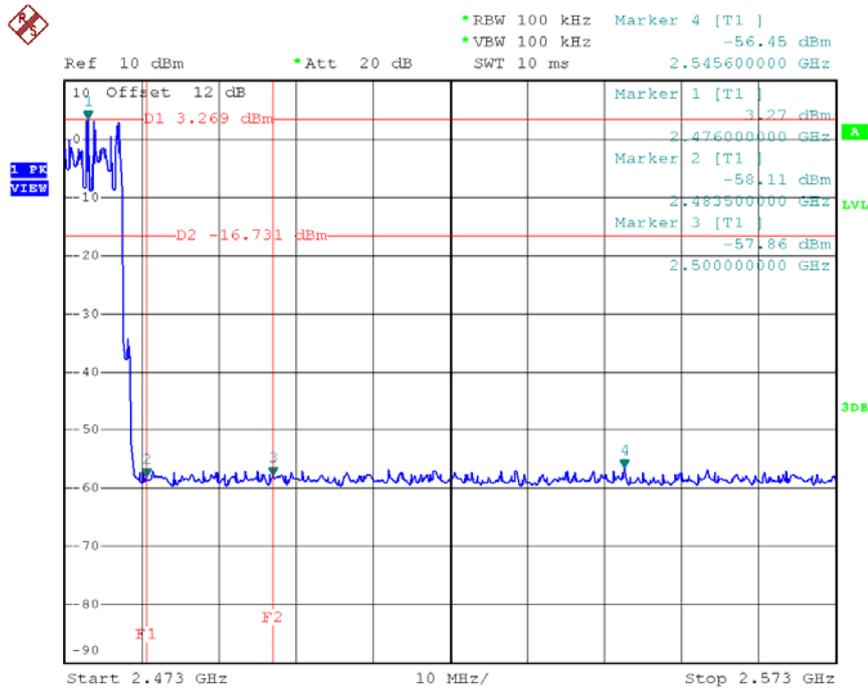
Date: 8.OCT.2015 10:33:41

CH00 Hopping on mode (Lower)_3Mbps



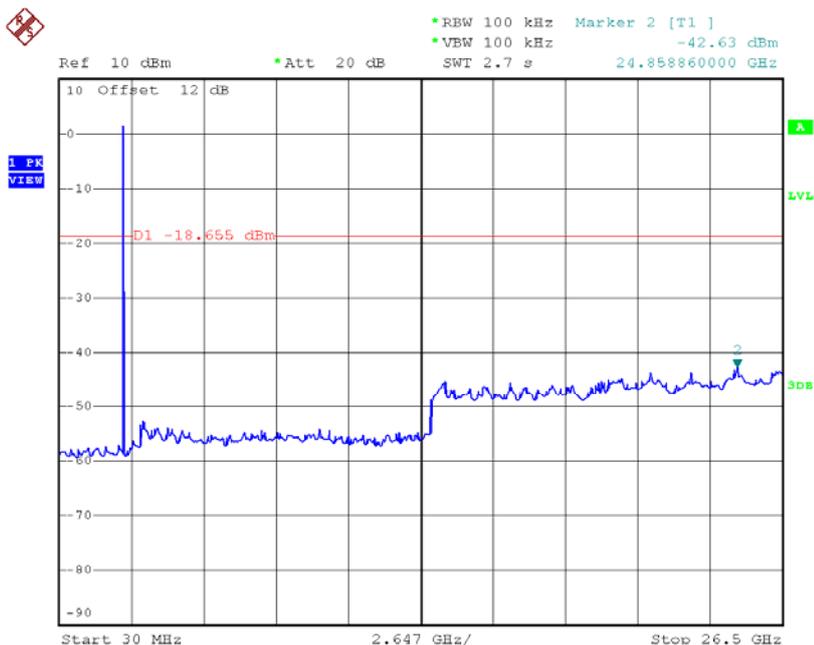
Date: 8.OCT.2015 10:41:13

CH78 Hopping on mode (Upper)_3Mbps



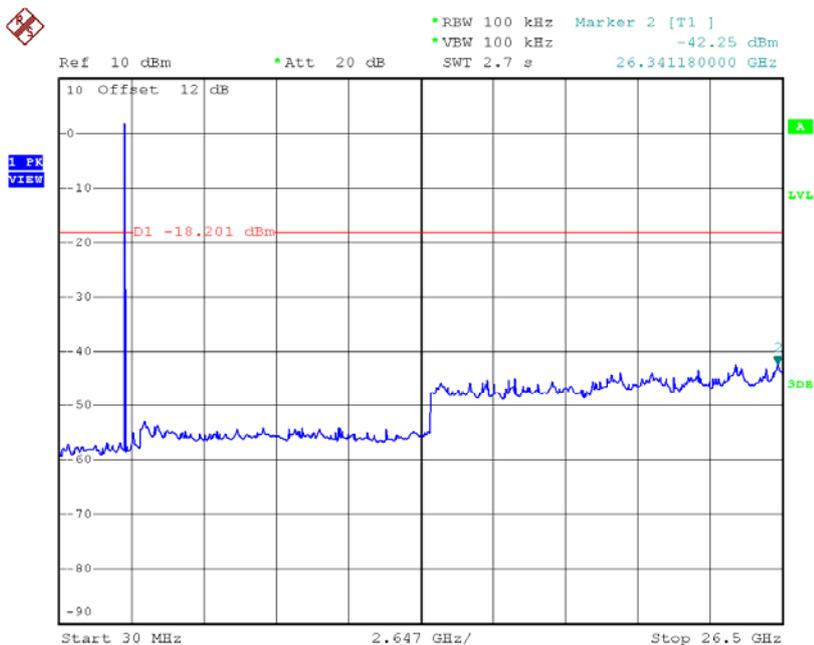
Date: 8.OCT.2015 10:41:48

CH00 (10 Harmonic of the frequency) _3Mbps



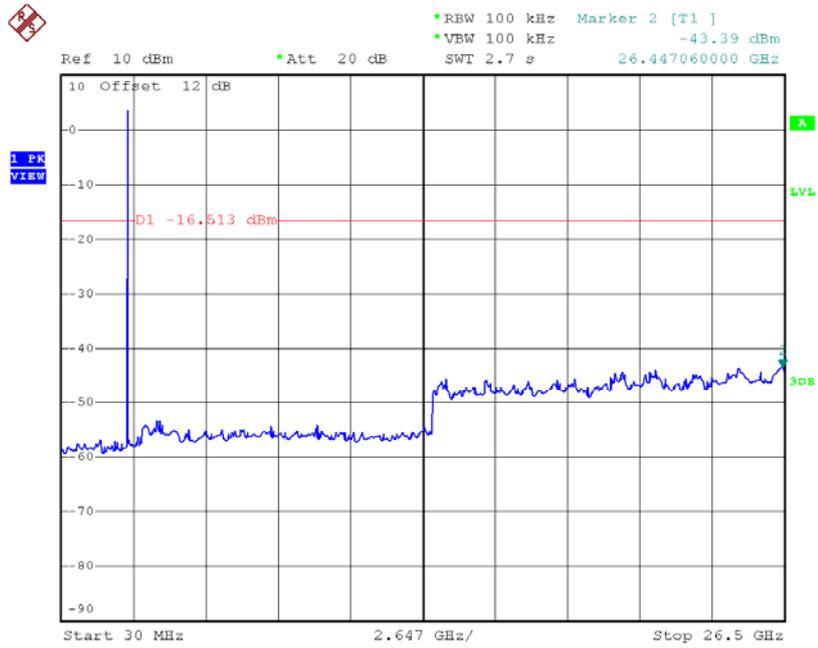
Date: 8.OCT.2015 10:31:42

CH39 (10 Harmonic of the frequency) _3Mbps



Date: 8.OCT.2015 10:32:46

CH78 (10 Harmonic of the frequency) _3Mbps



Date: 8.OCT.2015 10:34:27